

NORMALUX

Emergency lighting
normalux.com

NORMALIT

Technical and architectural lighting
normalit.com

NORMADET

Fire detection systems
normadet.com

NORCLINIC

Technical systems for hospitals
norclinic.com

2020



normagrup.com



Normagrup

Sense of Technology



Normagrup	4	New products	4
		Normagrup ADN	10
		From Spain to the World	12
		Departments	14
		Divisions	15
		Own laboratories	16
		NTC. Normagrup Tech Center	18
<hr/>			
Control System	20	 NormaLINK 	
		App control by Normagrup	
<hr/>			
Emergency lighting	27	Emergency lighting	33
NORMALUX		Exit signs	123
		Step lighting	141
		Central Battery Systems	156
		Emergency kits	160
		Emergency lights for lifts	164
		Light paths	165
<hr/>			
Technical and architectural lighting	167	Basic concepts	170
NORMALIT		SaLuz	173
		Leeds food	184
		Recessed downlights	187
		Surface downlights	241
		Fittings	261
		Industrial	281
		Structures	295
		Projectors	349
		Ambient	373
		Guide for regulation control	384
<hr/>			
Fire detection systems	387	Toxic gases detection	390
NORMADET		Conventional detection system	394
		Analogue system	410
		Accessories	419
<hr/>			
Technical systems for hospitals	425	Hospitalization	428
NORCLINIC		Residence	446
		Intensive care	448

New products



App control by Normagrup

General lighting
and emergency
lighting control system



New Mastergateway IDNG-MG

Remote control, through a Normalink
BMS (Drawing control), Modbus/ IP
support...



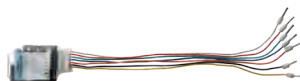
New input /output module IDNG-10ES

It allows the integration of external
elements into the Normalink system.



New IDNG-P4P push button pad

Possibility of integrating
up to four push buttons or
a conventional switch into
Normalink.



New products

NORMALUX

Restyling

Dunna

Improved optics, aesthetic modernized, more compact, easier installation, safer and quicker wiring, new accessories...



New family

Lissa



Exit signs



Emergency lighting

New

Via Led wall



New emergency lighting

Uro

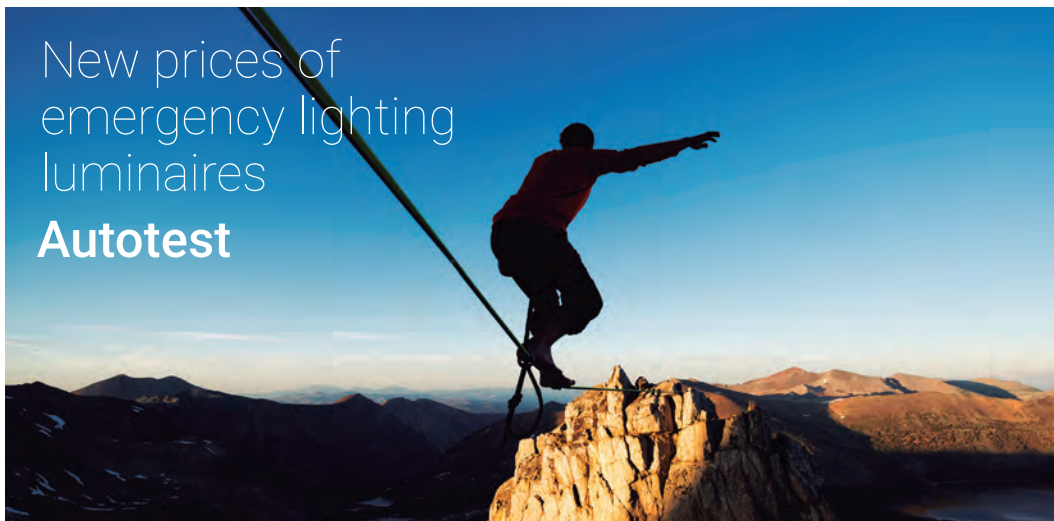


New products

NORMALUX

New prices of
emergency lighting
luminaires

Autotest

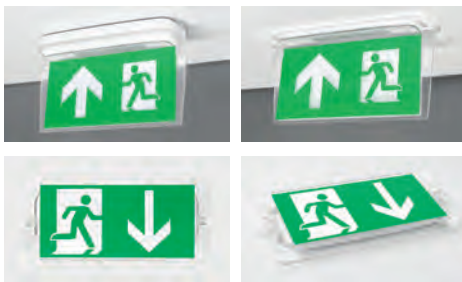


New accessories

GS



Stylo



New pictograms

Fire extinguisher, fire hose and
press button pictograms for the
VIA LED family (to be used with
the flag diffuser V-DBL).

*Pictograms also available in
the LISSA family.*



New products

NORMALIT

Downlights

New Hat HR version

The well known compact embedded downlight. With a new aesthetic and an improved UGR that extends the possibilities of the HAT family.



Fittings

Luzerna Avant Nassel Avant

The new models are an evolution compared with their predecessors, with aesthetic improvements.



New products

NORMALIT

Structures

Trazzo Avant



Projectors

Aqa

New lumen output.



saLuz®

New luminaires
with SaLuz technology,
inspired by the sun.



SaLuz® Video
and more information

New products

NORMADET

Autodet

Stand alone smoke
detector



NADR-20

- Stand alone optic smoke detector
- 85 dbA audible alarm
- Test push button
- Supervision LED and status and failure indication
- 9w alkaline battery included

Certificate EN14604:2005 – N°: 1438/CPD/0145



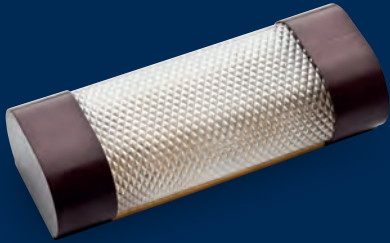
5 YEARS
WARRANTY



**AUTOMATIC
DETECTION**

Sense of technology

Normagrup DNA



1971

Everything started with an emergency light. A little device that already contained the key to our DNA.

Guided by a sense of curiosity, we were discovering new needs and searching for the technology to meet them.

And so, new divisions were created, enabling us to integrate solutions and to handle large projects with total confidence.

Without skimping on resources or technology, without taking shortcuts, without saving on components or quality controls.

And with a continuous desire to innovate and make the world better through technology.



Technology is our vehicle to make the world a better place.

From the start we have investigated a great deal, developed prototypes and dared to put innovative solutions on the market, always guided by a sixth sense imprinted in our DNA: the sense of technology.

Everything we do corresponds to the five keys of the Normagrup DNA.

Innovation

Everything we do necessarily means to walk through an untried path. Imagining, creating and daring to walk through an untried path is the only way to create the future.

Safety

Our first development was an emergency light, and from that point onwards the focus on safety has been a constant within Normagrup.

Comfort

From the shade of the light to the coordination of a system, our developments have to make life more comfortable for everyone.

Control

We see control as part of our products. We are developing solutions that enable the simple and intuitive control of the environment.

Design

Taking care of the aesthetics and the look of our products is not merely a frivolity. Through design, we can create pleasant environments and, isn't that important?



International presence

From Spain to the world



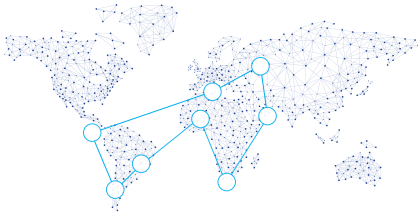
11,000 sq.m.

Normagrup researches, develops and manufactures in Spain.

We distribute technology and innovation around the world from our facilities in Asturias and through various branches.



4,500 sq.m.



Our branches

Netherlands
United Kingdom
Mexico
France

Germany
Austria
Belgium
Bulgary
Denmark
France
Hungary
Ireland

Italy
Luxembourg
Malta
Norway
Portugal
Czech Republic
Romania
Russia
Switzerland
Ukraine

Angola
Algeria
Egypt

Reunion Islands
Libya
Madagascar
Morocco
Nigeria
Senegal
South Africa

Bolivia
Brazil
Chile
Colombia
Martinique
Panama

Peru
Dominican Republic
Uruguay

Saudi Arabia
Bahrain
United Arab Emirates
Israel
Kuwait
Lebanon
Oman
Qatar
Singapore
Turkey



We transform raw materials into technology.

Premises

In addition to all of our departments and production lines, we also have our own laboratories where we can test and experiment as frequently and comprehensively as we like to do.

Automated lines

Our automated lines are constantly incorporating the most significant technological advances in the fields of electronics, robotics and automated control, thereby increasing the reliability of all of production.

Global commitment

We identify ourselves with the needs of each customer: we install, maintain, answer, resolve and we commit to ensuring that everything is working perfectly.

Finished product

Guaranteed product with full quality and confidence and 100% Normagrup.



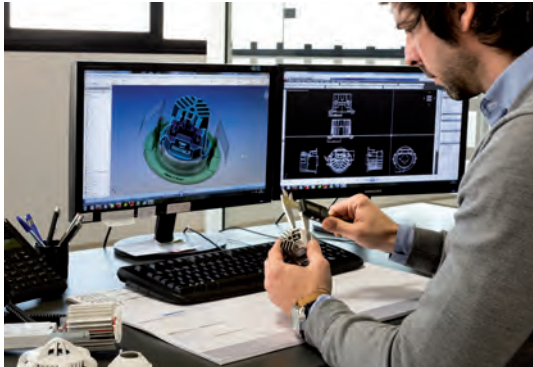
Commitment with specialization and diversification

Departments

In order to handle large projects and offer an excellent service, we had to grow. But to be specialists and flexible, we need to keep our dimensions small.

At Normagrup, we solved this by creating divisions that operate as experts in their area. We also have common departments that work for everyone and give us cohesion.

R&D&i
Design
Tooling
Productive plant
Quality



Divisions

NORMALUX
NORMALIT
NORMADET
NORCLINIC

Together,
we make
a perfectly
coordinated team.

www.normalux.com

Leading company in the manufacture, sale and distribution of emergency lighting in Spain and worldwide. Our value has been proven by more than 40 years of experience, quality and confidence from our clients.

www.normalit.com

A division specialising in technical and architectural lighting which integrates all of the constructive process, incorporating the most innovative technology into products of a high technical quality.

www.normadet.com

State of the art solutions for fire and toxic gas protection systems. Certified quality.

www.norclinic.com

Specialists in the manufacture of hospital equipment which integrates night lights, indirect lighting and medical gas outlets.



Our bet for quality

Own laboratories

Our compromise with quality has made us to have our own laboratories. These gives us the freedom to investigate and test our products and to have the absolute certainty that they comply with all the regulations.

Goniophotometer (LMT GO-V 1900

Goniophotometer SN 06B441):
The goniophotometer measures the quantity of light in a particular direction. It is used to determine the distribution of the luminous intensity of a luminaire, given as a result the luminic curve.

Spectroradiometer (LMT SM 8107 - GO-V

Spectroradiometer SN 06B601-81):
It can measure the spectral radiation or irradiation through several ranges, measuring the light from approximately 380 nanometers up to 780 nanometers. This tool enables us to know, amongst other parameters, the chromatic coordinates of a light source, its colour temperature and its CRI (Chromatic reproduction index).

Double monochromator:

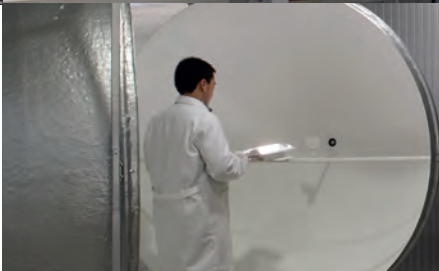
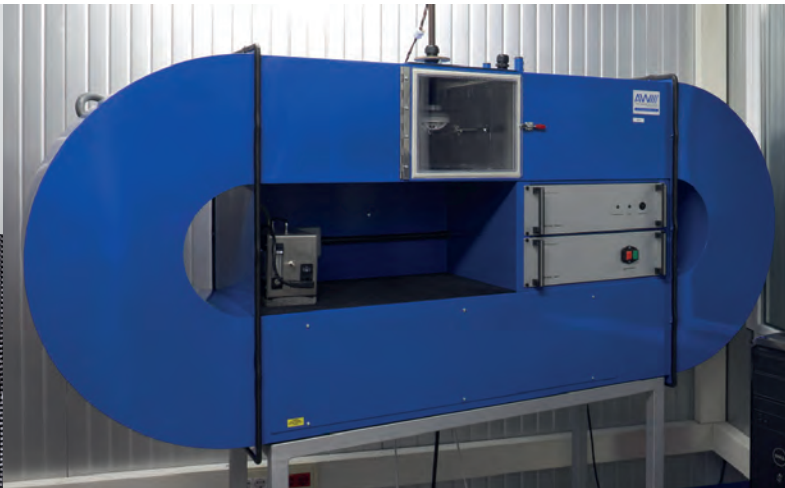
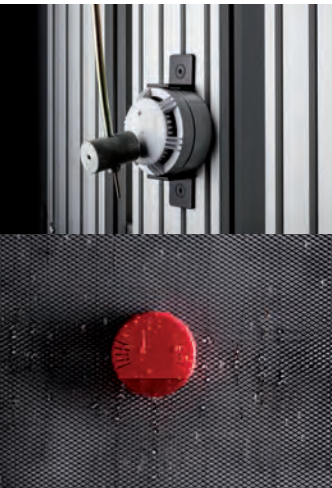
this measures the radiance between 300 to 1400 nanometres. It analyses the non-visible part of the spectrum of a light source to obtain information about the photobiological risks in each luminaire (EN 62471).

Ulbrich Sphere:

This sphere integrates the measure of a luxometre in order to measure the luminous flux in a luminaire.

IP rating room:

In this room we can make the liquids IP testing of any significant figure, from IPX1 to IPX7.



We can research and test internally without limits.

Dust tightness chamber:

With this chamber we can make an IP5X test to check if the fittings with this degree of tightness are protected against dust penetration.

Impact hammer:

We can make an impact test of the degrees 1 to 10.

Climatic chamber:

With this chamber it is possible to make test at different temperatures and humidity degrees. The ranges are from -20°C to 150°C in temperature and from 10% to 98% humidity.

Glow wire machine:

With this machine we can check if the plastic elements in a luminaire are self-extinguishable, applying to the sample a temperature of 650°C to 850°C degrees (according to the regulation).

Battery testers:

These machines make it possible to check the batteries and their quality. It is possible to make charge/discharge cycles to the batteries, ageing them at high temperatures and registering the results in a computer.

Smoke and heat tunnel:

With this machine it is possible to simulate and analyze the operation of a smoke detector in an environment with smoke.

3D Printer:

It is possible to make prototypes of housings and plastic parts from a 3D design.

DALI BUS Tester:

Checks if a fitting has been manufactured according to the DALI protocol.

Electromagnetic spectra analyzer:

With this device it is possible to check the levels of electromagnetic interferences conducted in a fitting.





NTC

Normagrup Tech Center

A space for research, testing and learning

Normagrup Tech Center is a 6,000 sq.m building for laboratories and R&D. It has been thought as NormaGrup's bet on innovation and technology. It also hosts an **auditorium** with capacity for 60 people where training sessions on theory of the light, projects development, domotics, regulation, etc. are carried out.





A unique place

More than 2,500 luminaires and self-contained emergency lights in total, central battery systems with step lights, light regulators, presence detectors...and all of this centered in **NormalLink**, the multi-device and multi-user control platform that makes it possible to combine and manage emergency and conventional lighting in a dynamic and intuitive way.

All in all, it is a unique space that NormaGrup offers to all its customers, contractors, engineers, architects, etc.



The lighting showroom

This new building has been thought with the idea of becoming a European reference in the study and development of new technologies in the field of lighting, that help to improve people's health. It has a 1,000 sqm. **showroom** that has mimicked different spaces paying special attention to all details, such as for instance: restaurant, kitchen, classrooms, museum, supermarket, hospital, car dealership, retail store, boutique...

The effects of a correct lighting in different atmospheres with different targets are assessed in the showroom.

- **Different colour temperatures and chromatic reproductions** that show the importance of lighting properly to highlight the interesting points.
- **Use of different fittings and techniques** to create a specific atmosphere.
- **Interaction with RGB technology and Tunable White** which create special effects.
- **Use of adaptive lighting** that makes it possible to light and highlight objects depending on their colours, looking for the best chromatic reproduction and keeping it along the time. The light spectrum can be used as needed.
- Show the importance of a correct lighting to improve **people's health** (flickering control, UGR, photobiological security...).



A new way to interact with light has arrived

More comfortable
More human
More efficient

Normalink is a control platform for general and emergency lighting, through any mobile device with IOS, Android or Windows.

Normalink is DALI compatible and it enables to remotely control one or several installations simultaneously, in real time and from different devices at the same time. It is also possible to have a comprehensive control with drawings using the Normalink BMS (It requires an IDNG-MG master gateway).

iOS   Windows



System compatible with DALI illumination.



Multi-device control (from different devices at the same time).



Intelligent configuration and commissioning (automatic, easy and intuitive).



Compatible with Modbus IP (external control). It requires an IDNG-MG master gateway.

More information:
www.normalink.es

What can I do with Normalink?



Normalink video and more information

With Normalink you can explore all the possibilities of your illumination, making it more practical and comfortable, as well as more efficient.

Create Environments

- According to the different lighting needs of each zone and room.
- Different scenes depending on the use of the building.
- Create timings in an easy and intuitive way: time for the fittings to turn on, turn off, light regulation, etc.



Optimize the maintenance and comply with the security regulations

- Program the emergency lighting tests whenever you want them to be carried out.
- In case of any emergency lighting luminaries failing, Normalink will detect this and you will be informed.
- Log everything that happens automatically.

Integration of external elements:

- The integration of push buttons, presence detectors, light sensors or input/output signals has never been so easy.



App control by Normagrup

100%
by Normagrup
hardware - software - support

Simple, tough and extendable

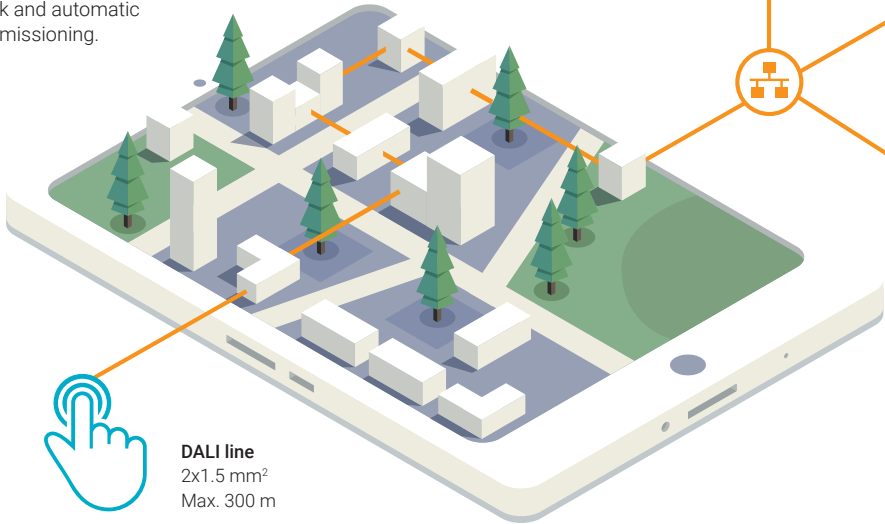
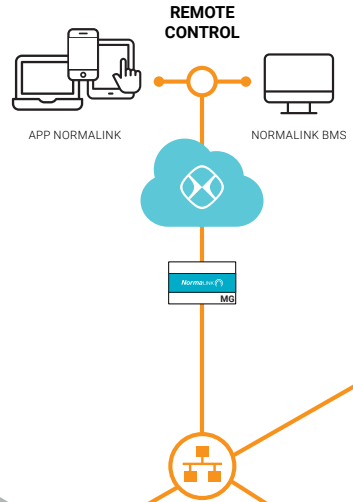
A system that you can trust

Easy DALI wiring, with no polarity and isolated (reliable communications and without mistakes).

Extendable system, ideal for small, medium or big installations.

Quick and automatic commissioning.

Universal external elements (light regulators, presence detectors, push buttons...) are directly connected to the DALI line through adapters (it does not use a DALI address).



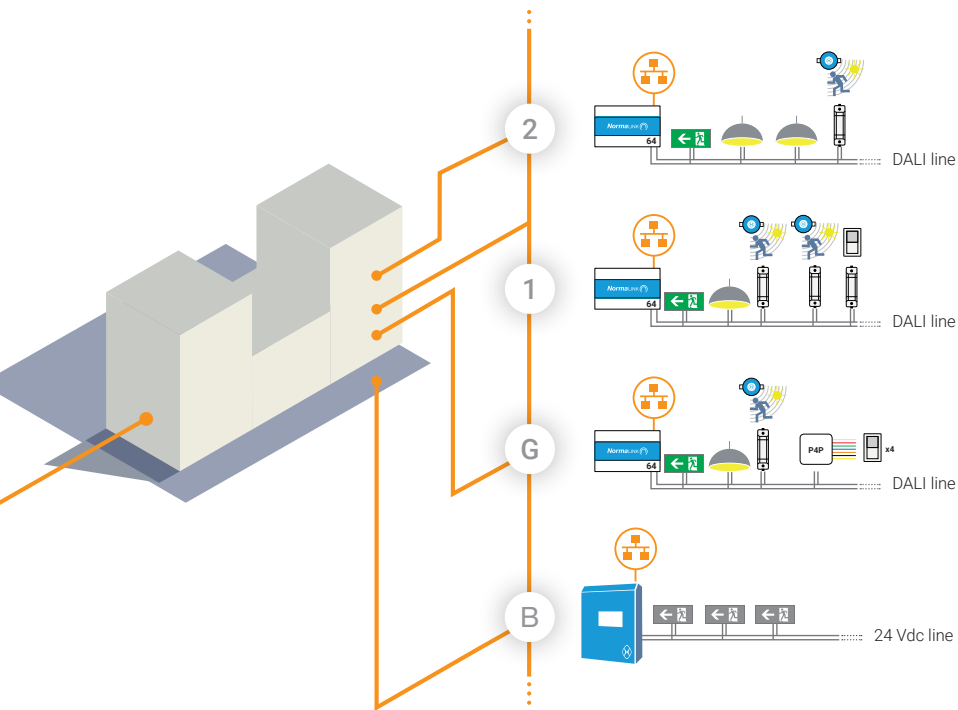
DALI line
2x1.5 mm²
Max. 300 m

IDNG-MG

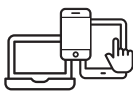


TCP/IP Master gateway for the control of Normalink installation. Configuration through the webserver (included). Once connected to the same local network than the rest of Normalink devices, the Master gateway will take over and control the installation allowing:

- Ethernet connection.
- Configure notifications.
- Remotely control the installation thanks to the Normalink Cloud service.
- Comprehensive control of the installation thanks to the Normalink BMS software with drawings (included in the Gateway).
- Control the installation from an external software with Modbus IP support.
- DIN Rail mounting (12 modules).
- 230V AC 50-60Hz from an UPS (Uninterrupted Power Supply).



APP NORMALINK



LOCAL CONTROL



NORMALINK BMS

- | | | | |
|--|---|--|--|
| | DALI TCP/IP gateway (ref. IDNG64). | | Luminaire for central battery system C24I. |
| | Master Gateway TCP/IP (Ref. IDNG-MG). | | Push button interface (ref. IDNG-P4P). |
| | Adapters for push buttons, presence sensors and light regulators (Ref. IDNG-EAD). | | Light regulators (ref. ILSR110/ILSS110). |
| | DALI emergency lighting luminaire. | | Central battery system (ref. C24I-300). |

IDNG-64



DALI-TCP/IP gateway for the control through Normalink of up to 64 lighting or emergency lighting luminaires compliant with the DALI standard.

- Ethernet connection.
- 6 modules DIN rail mounting.
- Internal power supply to power the DALI line and a CR2032 battery to avoid losing information.
- 230V AC 50-60Hz from an UPS (Uninterrupted power supply).
- Additionally this device allows the connection, through the DALI line, of up to 16 devices with Normalink code (ref. IDNG-EAD and IDNG-P4P).



IDNG-EAD

Adapter to integrate non DALI control devices into the DALI line (push buttons, constant light controls and presence sensors).

- DALI connector, 0-10V (non isolated) analog input and digital input (230V AC).
- Automatic detection and configuration done from the Normalink app.
- Powered through the DALI line.
- It does not occupy a DALI address.
- Identification through the Normalink code.
- Dimensions: 215 x 33.5 x 30 mm.



ILSR110

Closed loop constant light regulator 1/10v for connection to Normalink adapter IDNG-EAD.

Easy installation in false ceiling. Only 48mm height required if the hole is 68mm, and 60mm if the hole is 55mm.

- False ceiling embedded mounting. Incorporates a movement sensor (PIR) allowing the activation of the lighting when people are present if needed.
- 230v AC 50 Hz
- Brightness level: 100-1000 lux.
- Connection time: 10-30 min.
- IP20 according UNE 20324.
- Functioning temperature: 0°C to 40°C
- Movement detection range: 360°/day, 7 meters at 2.5 m height.
- Diameter: 80mm
- Controller dimensions: 107 x 53 x 34 mm
- Manufactured according UNE EN60730 norm.



IDNG-P4P

Interface for the connection of 4 push buttons or a switch (potential free) to a DALI line and its integration to the Normalink system.

- Connection to the DALI line.
- Four inputs or channels (IN0, IN1, IN2 and IN3) and a shared terminal.
- Includes 0.5 mm² section wires and 200 mm long.
- Terminals IN0, IN1, IN2 and IN3 cannot be extended using an extra wire.
- Automatic detection and configuration from the Normalink app.
- Powered from the DALI bus.
- Does not use a DALI address.
- Identification through the Normalink code.
- Dimensions: 50 x 50 mm



ILSS110

Closed loop constant light regulator 1/10v for connection to Normalink adapter IDNG-EAD.

- Surface ceiling mounted. Incorporates a movement sensor (PIR) allowing the activation of the lighting when people are present if needed.
- 230v AC 50 Hz.
- Brightness level: 100-1000 lux.
- Connection time: 10-30 min.
- IP20 according UNE 20324.
- Functioning temperature: 0°C to 40°C.
- Movement detection range: 360°/day, 7 meters at 2.5m height.
- Diameter: 118.50 mm.
- Height: 45 mm.
- Manufactured according UNE EN60730 norm.



Lets see it with an example

Normalink is easy and intuitive, and we can see a full example in just five steps:



IDNG-10ES

Input / Output module compatible with the Normalink system. Allows the direct integration of external input / output elements to Normalink (not through DALI).

- 10 terminals that can be programmed as inputs or outputs.
- One relay output.
- Ethernet connection.
- Web server for network configuration.
- Potential free inputs for connecting push buttons, switches or external signals.
- 24v Outputs for connecting relays, solid state counters or external PLC devices, centrals, etc. Maximum current output 10mA.
- Identification through Normalink code.
- DIN rail mounting (6 modules).
- 230V AC 50-60Hz form an UPS (Uninterrupted Power Supply).

01



Group the luminaries and/or emergency lighting units in lines of up to 64 fittings.

02



Use the IDNG-EAD adaptors and the IDNG-P4P interfaces to integrate push buttons, light regulators or presence detectors.

Remember:

- It is possible to connect to the IDNG-EAD one or several push buttons or presence detectors that share the same action (digital 230V AC input) or a closed loop light regulator (analogic 0-10v input).
- Up to 4 free potential push buttons can be connected to the IDNG-P4P interface. A different action can be programmed for each one of them.
- The maximum number of IDNG-EAD and IDNG-P4P per DALI line is 16.
- The maximum number of light regulators (ref: ILSR110 or ILS110) that can be connected through an adaptor per line is 8. Other type of regulators reduce that number to only 1 per line.

03



Connect the DALI lines to the IDNG64 gateways and press the test button to check if the DALI wiring has been properly done.

04



Change the IP address of the gateways and integrate them in the local network.

05




Download the Normalink app and connect your device to the same local network.

NormaLINK 



More information:
www.normalink.es

NormaLINK 
App control by Normagrup

 Ask for the Windows version by writing to our email address:
normalink@normagrup.com





NORMALUX

Emergency lighting

normalux.com

Emergency lighting



Via Led recessed 36



Via Led surface 40



Via Led wall 46



Dunna 48



Stylo 56



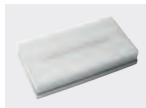
GS 60



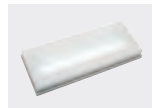
Hermetic 64



Hermetic EX 68



Smart 70



Extraplana 74



Lissa emergency light 80



Bessel 84



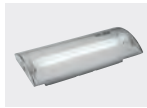
Volutta 86



Volutta doble 90



Volutta recessed mounting 94



Excellence 98



Europrisma 102



Uro 106



Hermetic XL 108



Aura 110



Aura 65 111



Watertight self-contained fittings 114



Dopplo 116



Twin spots 118



Explosion proof 120

Exit signs



Lissa exit signs 124



Extraline 128



Steeled 132



Signal 7 134

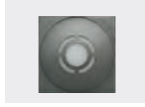
Step lighting



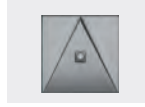
Passo **142**



Sirio **143**



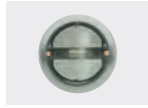
Estela **144**



Senda **148**



MIB Step light **152**



BR Step light **153**

Central Battery Systems



C24 **156**

Emergency kits



Kenlux

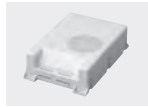
160



Versatile

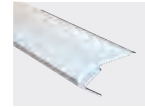
162

Emergency lights for lifts



164

Light paths



165



Install **Autotest** emergency lighting

There are
things
that should
never fail

The efficiency and correct operation of the emergency lighting can be affected as the time passes, and the worse time to find out about it is during an emergency. That is why the Autotest system from Normalux keeps track of the status of the installation at all times and keeping it updated.

Without surprises.

What are Autotest fittings?

Autotest fittings are self-contained emergency lights that check themselves searching for possible anomalies that could compromise its correct operation.

This is carried out in real time and they also carry out test periodically, according to the current regulation (EN 50172):

Functional test: Carried out every week, checks that the fitting is properly working and that the light source turns on correctly.

Autonomy test: Once per year, the duration of the luminaire in emergency mode is checked, to make sure that the fitting is providing illumination for a period of time equal or superior to the duration declared by the manufacturer.

Benefits of the Autotest fittings

They guarantee the 100% effectiveness of the emergency lighting at all times and hence the fulfillment of the regulation, offering peace of mind in case of an eventual failure in the power supply, or a risky situation.

They optimize the maintenance tasks, knowing which fitting has to be replaced and when.

NORMALUX

Emergency lighting
normalux.com



Normagrup
Sense of Technology



Emergency lighting

Via Led recessed	36
Via Led surface	40
Via Led wall	46
Dunna	48
Stylo	56
GS	60
Hermetic	64
Hermetic EX	68
Smart	70
Extraplana	74
Lissa emergency light	80
Bessel	84
Volutta	86
Volutta doble	90
Volutta recessed mounting	94
Excellence	98
Europrisma	102
Uro	106
Hermetic XL	108
Aura	110
Aura 65	111
Watertight self-contained fittings	114
Dopplo	116
Twin spots	118
Explosion proof	120

VIA LED

Much more than just design

Via Led has turned into the definitive emergency luminaire by bringing together versatility and efficiency in its brilliant reduced size. We have expanded its possibilities so it can be included in all types of installations.

+ efficiency

LED technology with high light efficiency.

+ protection

New IP65 model.

+ versatility

Complete range to cover all the needs of a project: Non maintained, maintained, high lumen output, surface and recessed mounted, exit sign possibility, electrified rail option, central battery system models...

+ design

Smart and with different finishes.

+ intelligent

Autotest or DALI.



NORMALUX

Emergency lighting
normalux.com



Some versions compliant
with French Regulation



Compatible with **NormaLINK**



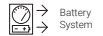
Autotest



Non-maintained



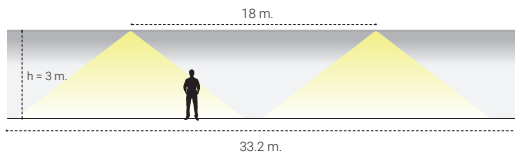
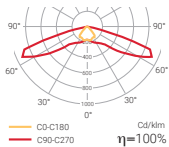
Maintained



Battery System

OPTICS

VV | 200 lm | Corridors



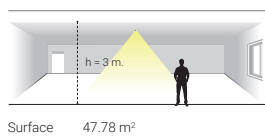
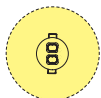
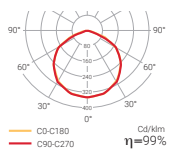
Corridor length 2 m.
Target 1 lux

! Save in the number of units needed

INTERDISTANCE	
POSITION	HEIGHT (m)
	3 4
⊙ → ⊙	6.4 7.6
⊙ → ⊙	18 21.1
⊙ → █	7.6 8
⊙ → █	2.8 3.1

Please ask for other heights.

VS | 190 lm | Areas



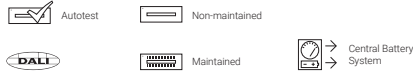
HEIGHT (m)	AREA (m ²)
2.5	43
3.0	47.78
3.5	52.81
4.0	55.42
5.0	46.56

INTERDISTANCE		
POSITION	HEIGHT (m)	
	3	4 5
⊙ → ⊙	10	10.9 11.4
⊙ → █	3,9	4 3,9

In the VS model, the orientation of the light does not affect the distribution of light.

! The data shown are referred to maintained models.

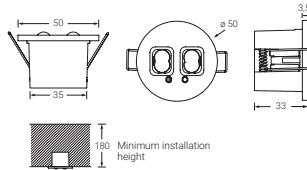
! Photometric curves of VV and VS are applicable to all VIA models



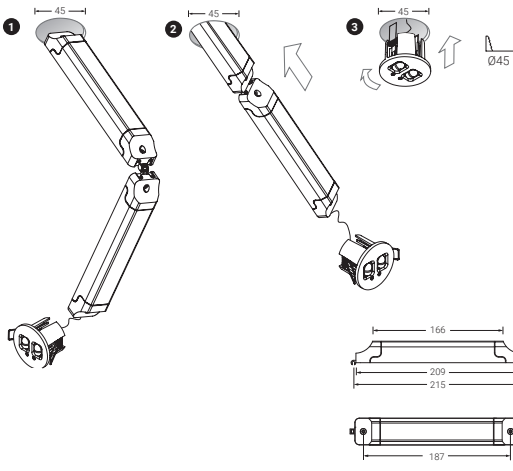
Via Led recessed

! Possibility of remote control

! Available in black finishing (Ref -4)



DRV VIA LED



Technical features:

- Housing: Maintained / Non-maintained models (VS- / VV-): Zamak and ABS. Non-maintained models (VSE-/VVE-): Polycarbonate + ABS. Non-maintained models (VEH- / VSEH-): Zamak + ABS.
- Installation: Recessed in the ceiling.
- Light range: 190-360 lm.
- Autonomy: 1-3 h.
- Light source: LED.
- Batteries: NiCd (high temperature).
- Mode of operation:
 - Non-maintained.
 - Maintained / Non maintained. Control via separated lines.
- Versions: Standard, Autotest, Intelligent DALI and CBS (Central Battery System).
- IP 20. IK 04.
- Can be mounted on flammable surfaces.
- Charging LED.
- Test button.
- Charging time 24 hours.
- Power: 230 V - 50/60 Hz.
- Manufactured according to EN 60598-2-22.
- Possibility of customization and different finishes.
- Possibility of remote control.

Via Led recessed

Standard


Non-maintained LED

IP
20

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VSE	White	—	205 lm	1 h	0,3	20
VVE	White	—	205 lm	1 h	0,3	20
VSEH	White	—	360 lm	1 h	0,5	20
VVEH	White	—	360 lm	1 h	0,5	20
VSE3	White	—	205 lm	3 h	0,4	20
VVE3	White	—	205 lm	3 h	0,4	20

Maintained / Non-maintained LED

IP
20

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VS	White	—	190 lm	1 h	0,6	20
VV	White	—	200 lm	1 h	0,6	20
VS3	White	—	190 lm	3 h	0,5	20
VV3	White	—	200 lm	3 h	0,5	20

Autotest


Non-maintained LED

IP
20

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VSEA	White	—	195 lm	1 h	0,3	20
VVEA	White	—	195 lm	1 h	0,3	20
VSEAH	White	—	360 lm	1 h	0,6	20
VVEAH	White	—	360 lm	1 h	0,6	20
VSEA3	White	—	195 lm	3 h	0,6	20
VVEA3	White	—	195 lm	3 h	0,6	20

Maintained / Non-maintained LED

IP
20

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VSA	White	—	190 lm	1 h	0,7	20
VVA	White	—	200 lm	1 h	0,7	20
VSA3	White	—	190 lm	3 h	0,6	20
VVA3	White	—	200 lm	3 h	0,6	20

Via Led recessed

Intelligent DALI

Compatible with **NormaLINK**

Non-maintained LED

IP
20

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VSEID	White	DALI	195 lm	1 h	0,7	20
VVEID	White	DALI	195 lm	1 h	0,7	20
VSEIDH	White	DALI	360 lm	1 h	0,6	20
VVEIDH	White	DALI	360 lm	1 h	0,6	20
VSEID3	White	DALI	190 lm	3 h	0,6	20
VVEID3	White	DALI	200 lm	3 h	0,6	20

Maintained / Non-maintained LED

IP
20

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VSID	White	DALI	190 lm	1 h	0,7	20
VVID	White	DALI	200 lm	1 h	0,7	20
VSID3	White	DALI	190 lm	3 h	0,6	20
VVID3	White	DALI	200 lm	3 h	0,6	20

Central Battery System

Maintained / Non-maintained LED

IP
20

	FINISHING	POWER SUPPLY	LUMEN OUTPUT	CONSUMPTION	CURRENT		PACKAGING
C24	VS-S2L24	White	24 Vcc	190 lm	1,8 W	0,075 A	0,4 20
C24	VV-S2L24	White	24 Vcc	200 lm	1,8 W	0,075 A	0,4 20
C24i	VSI-S2L24	White	24 Vcc	190 lm	2 W	0,083 A	0,4 20
C24i	VVI-S2L24	White	24 Vcc	200 lm	2 W	0,083 A	0,4 20
	VV-S2L	White	230 Vca	200 lm	1,9 W	0,019 A	0,4 20
	VS-S2L	White	230 Vca	190 lm	1,9 W	0,019 A	0,4 20

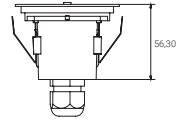
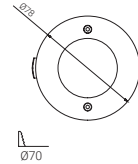
Finishings can be customized

Via Led recessed

IP65




WATERPROOF



Standard

Maintained / Non-maintained LED


IP
65

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VSS	White	—	190 lm	1 h	0,6	12
VVS	White	—	200 lm	1 h	0,9	12
VSS3	White	—	190 lm	3 h	0,6	12
VVS3	White	—	200 lm	3 h	0,6	12

Autotest

Maintained / Non-maintained LED


IP
65

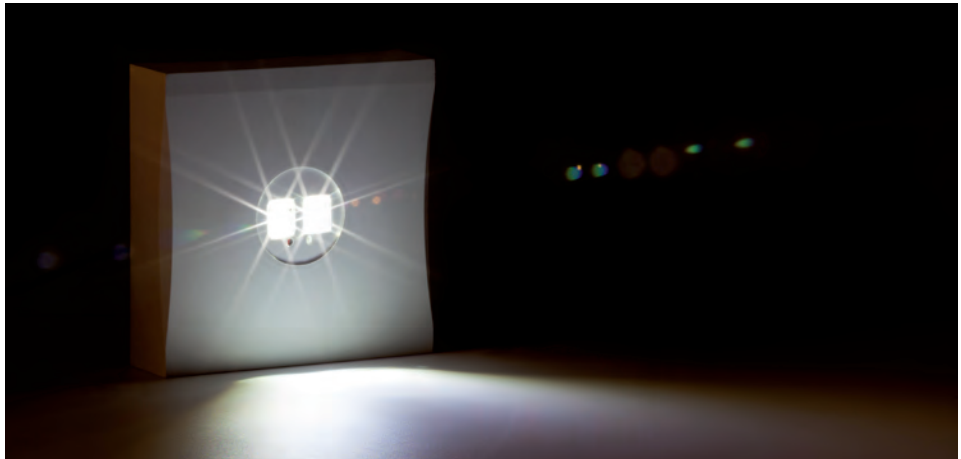
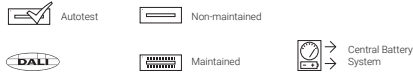
	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VSSA	White	—	190 lm	1 h	0,6	12
VVSA	White	—	200 lm	1 h	0,6	12
VSSA3	White	—	190 lm	3 h	0,6	12
VVSA3	White	—	200 lm	3 h	0,6	12

Intelligent DALI

Maintained / Non-maintained LED

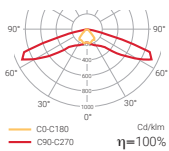
IP
65Compatible with **NormaLINK** 

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VSSID	White	DALI	190 lm	1 h	0,6	12
VVSID	White	DALI	200 lm	1 h	0,6	12
VSSID3	White	DALI	190 lm	3 h	0,6	12
VVSID3	White	DALI	200 lm	3 h	0,6	12

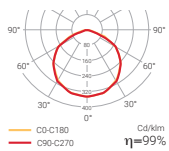


Via Led surface

VMV | 200 lm | Corridors



VMS | 190 lm | Areas

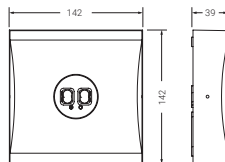


Surface ceiling mounted VIA LED. Like the recessed version it has two different versions with different light distribution, enabling it to cover large corridors (VMV version) or large spaces (VMS version).

With a compact, elegant and minimal design, the SURFACE VIA LED is the definitive emergency luminaire.

Technical features:

- Housing: self-extinguishable ABS
- Installation: ceiling mounted.
- Light range: 190-350 lm.
- Autonomy: 1-3 h.
- Light source: LED.
- Batteries: NiCd (high temperature).
- Mode of operation:
 - Non-maintained.
 - Maintained / Non maintained. Control via separated lines.
- Versions: Standard, Autotest, Intelligent DALI and CBS (Central Battery System).
- IP 20. IK 04.
- Can be mounted on flammable surfaces.
- Test button.
- Charging time 24 hours.
- Power: 230 V · 50/60 Hz.
- Manufactured according to EN 60598-2-22.



! Available in black finishing (Ref -4)

! Available for installation to electrified rail, designed according to norm UNE-EN-60598.2.22

Via Led surface

Standard


Non-maintained LED

IP
20

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VMSE	White	—	195 lm	1 h	0,5	20
VMVE	White	—	195 lm	1 h	0,5	20
VMSEH	White	—	350 lm	1 h	0,7	20
VMVEH	White	—	350 lm	1 h	0,7	20
VMSE3	White	—	195 lm	3 h	0,6	20
VMVE3	White	—	195 lm	3 h	0,6	20

Maintained / Non-maintained LED


IP
20

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VMS	White	—	190 lm	1 h	0,6	20
VMV	White	—	200 lm	1 h	0,6	20
VMS3	White	—	190 lm	3 h	0,7	20
VMV3	White	—	200 lm	3 h	0,7	20

Autotest


Non-maintained LED

IP
20

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VMSEA	White	—	195 lm	1 h	0,6	20
VMVEA	White	—	195 lm	1 h	0,6	20
VMSEAH	White	—	350 lm	1 h	0,7	20
VMVEAH	White	—	350 lm	1 h	0,7	20

Maintained / Non-maintained LED

IP
20

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VMSA	White	—	190 lm	1 h	0,6	20
VMVA	White	—	200 lm	1 h	0,6	20
VMSA3	White	—	190 lm	3 h	0,7	20
VMVA3	White	—	200 lm	3 h	0,7	20

Via Led surface

Intelligent DALI

Compatible with **NormaLINK**



Maintained LED

IP 20

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VMSID	White	DALI	190 lm	1 h	0,6	20
VMVID	White	DALI	200 lm	1 h	0,6	20
VMSID3	White	DALI	190 lm	3 h	0,7	20
VMVID3	White	DALI	200 lm	3 h	0,7	20

Non-maintained LED

IP 20

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VMSEID	White	DALI	195 lm	1 h	0,7	20
VMVEID	White	DALI	195 lm	1 h	0,7	20
VMSEIDH	White	DALI	350 lm	1 h	0,7	20
VMVEIDH	White	DALI	350 lm	1 h	0,7	20
VMSEID3	White	DALI	195 lm	3 h	0,7	20
VMVEID3	White	DALI	195 lm	3 h	0,7	20

Central Battery System

Maintained / Non-maintained LED

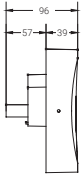
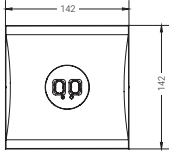
IP 20

	FINISHING	POWER SUPPLY	LUMEN OUTPUT	CONSUMPTION	CURRENT		PACKAGING
C24	VMSS-2L24	White	24 Vcc	190 lm	1,8 W	0,075 A	0,5 20
C24	VMV-2L24	White	24 Vcc	200 lm	1,8 W	0,075 A	0,5 20
C24i	VMSS-2L24	White	24 Vcc	190 lm	2 W	0,083 A	0,5 20
C24i	VMVI-2L24	White	24 Vcc	200 lm	2 W	0,083 A	0,5 20
	VMS-2L	White	230 Vca	190 lm	1,9 W	0,019 A	0,5 20
	VMV-2L	White	230 Vca	200 lm	1,9 W	0,019 A	0,5 20

Finishings can be customized




Track mounting



Standard

Maintained / Non-maintained LED


JP
20

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VTS	White	—	190 lm	1 h	0,4	20
VTV	White	—	200 lm	1 h	0,4	20

Autotest

Maintained / Non-maintained LED


JP
20

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VTSA	White	—	190 lm	1 h	0,4	20
VTVA	White	—	200 lm	1 h	0,5	20

Intelligent DALI

Maintained LED

JP
20Compatible with **NormaLINK** 

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VTSID	White	DALI	190 lm	1 h	0,5	20
VTVID	White	DALI	200 lm	1 h	0,5	20

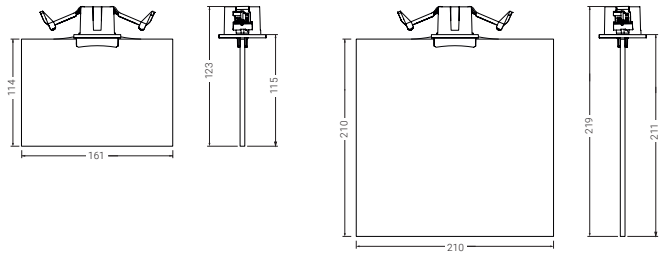
Via Led recessed and surface Accessories

Blade diffuser

	PACKAGING
V-DB	20
V-DBL	20



Pictogram not included

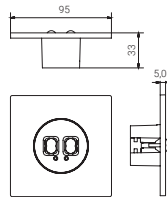


Recession frames

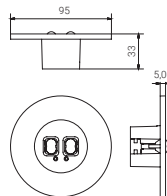
	PACKAGING
V-R	100
V-RR	100
V-R-4	100
V-RR-4	100



V-R



V-RR



Please check compatibility of these accessories with non maintained VIA LED

Fixing supports

	PACKAGING
V-SB	20

Via Led recessed and surface

Accessories

Pictograms

Type PV Non adhesive pictogram 160 x 115 mm. *References according to table below.*

Type PVL Non adhesive pictogram 210 x 215 mm. *References according to table below.*

Type PV 160 x 115 mm



Maximum viewing distance
(according to EN1838 for
internally illuminated signs)


23 m

Type PVL 210 x 210 mm

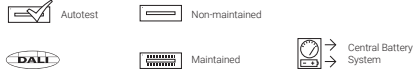


Maximum viewing distance
(according to CTE)

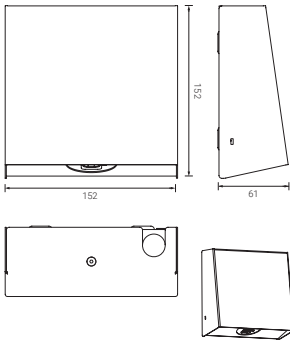
10 m

 Please check for other pictograms





Via Led wall

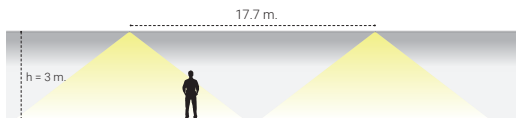


Technical features:

- Housing: Galvanized steel.
- Installation: surface mounted to the wall.
- Lumen output: 190-200 lm.
- Duration: 1-3 h.
- Light source: LED.
- Batteries: High temperature Ni-Cd.
- Functioning modes
 - Maintained.
 - Maintained / Non maintained.
- Versions: Standard, Autotest, DALI and CBS (Central Battery Systems).
- IP 20. IK 04.
- Suitable to be mounted on flammable surfaces.
- Charge LED.
- Test Button.
- Charging time: 24 hours.
- Power Supply: 230v 50/60 Hz.
- Manufactured according to norm EN 60598-2-22.
- Possibility of customization.
- Possibility of remote controlled option.

OPTICS

VPV | 200 lm | Corridors



Corridor length	2 m.
Target	1 lux

INTERDISTANCE


POSITION	HEIGHT (m)					
	1.5	2	2.5	3	3.5	4
⊙ → ⊙	10.6	13.3	15.6	17.7	19.5	20.8
⊙ → ⊙	4.2	4.9	5.5	6.2	6.8	7.4

Via Led wall

Standard

Maintained / Non-maintained LED


IP
20

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VPS	White	—	190 lm	1 h	0,6	20
VPV	White	—	200 lm	1 h	0,6	20
VPS3	White	—	190 lm	3 h	0,7	20
VPV3	White	—	200 lm	3 h	0,7	20

Autotest

Maintained / Non-maintained LED


IP
20

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VPSA	White	—	190 lm	1 h	0,6	20
VPVA	White	—	200 lm	1 h	0,6	20
VPSA3	White	—	190 lm	3 h	0,7	20
VPVA3	White	—	200 lm	3 h	0,7	20

Intelligent DALI

Maintained / Non-maintained LED


IP
20

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VPSID	White	DALI	190 lm	1 h	0,6	20
VPVID	White	DALI	200 lm	1 h	0,6	20
VPSID3	White	DALI	190 lm	3 h	0,7	20
VPVID3	White	DALI	200 lm	3 h	0,7	20

Central Battery System

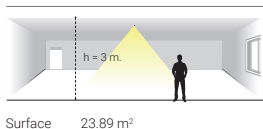
Maintained LED

IP
20





	FINISHING	POWER SUPPLY	LUMEN OUTPUT	CONSUMPTION	CURRENT		PACKAGING
C24i	VPSI-S2L24	White	24 Vcc	190 lm	2 W	0,083	0,7 20
C24i	VPVI-S2L24	White	24 Vcc	200 lm	2 W	0,083	0,7 20

OPTICS

VPS | 190 lm | Areas



HEIGHT (m)	AREA (m ²)
1.5	14.13
2.0	18.15
2.5	21.50
3.0	23.89
3.5	24.25
4.0	25.34

POSITION	INTERDISTANCE					
	HEIGHT (m)					
	1.5	2	2.5	3	3.5	4
 → 	6.9	8.1	9.1	9.9	10.4	10.8
 → 	6.9	8.1	9.1	9.9	10.4	10.8

Dunna



More modern
as time passes



New Design



- New Optics
- Hidden intermediate plastic part



- More compact (45 mm height)



- Lines in the base have been eliminated

- Separate lines
- Improved cable entry

○ Accessories

More functional and aesthetic design on embedding frame D-MEL, flag diffuser D-DB and embedded flag diffuser D-DBEL accessories.

New embedding box for wall, code D-MEP.

New waterproof box code D-MS, now with IP66.



Autotest



Non-maintained



Maintained

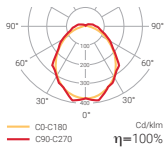


Central Battery System

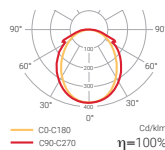


Some versions compliant with French Regulation

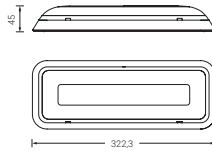
Maintained led



Maintained / Non-maintained multiled



DUNNA product range reflects the experience obtained from manufacturing emergency lighting for almost half a century; it is one of our oldest and most successful luminaires but is constantly developing. The latest LED technology and an avant-garde redesign to adapt it to modern times.



Technical features:

- Housing made from self-extinguishing ABS. Polystyrene diffuser.
- Installation: ceiling or wall mounted (can also be recessed using a recession frame).
- Light range: 45-580 lm.
- Autonomy: 1-2-3 h.
- Light source: LED.
- Batteries: Ni-Cd (high temperature).
- Modes of operation:
 - Non-maintained.
 - Maintained.
- Versions: Standard, Autotest, Intelligent DALI and CBS (Central Battery System).
- IP 44.
- IP 65 / IK 10 using D-MS waterproof box.
- Can be mounted on flammable surfaces
- Charging LED.
- Test button.
- Possibility of remote control.
- Charging time 24 hours.
- Power: 230 V · 50/60 Hz.
- Manufactured according to EN 60598-2-22.
- New improved optics.




Standard



Non-maintained MULTILED


IP 44

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
D-30L	White	—	45 lm	1 h	0,5	20
D-30L-1	Anthracite	—	45 lm	1 h	0,5	20
D-30L-2	Aluminium	—	45 lm	1 h	0,5	20
D-60L	White	—	60 lm	1 h	0,5	20
D-60L-1	Anthracite	—	60 lm	1 h	0,5	20
D-60L-2	Aluminium	—	60 lm	1 h	0,5	20
D-100L	White	—	110 lm	1 h	0,5	20
D-100L-1	Anthracite	—	110 lm	1 h	0,5	20
D-100L-2	Aluminium	—	110 lm	1 h	0,5	20
D-150L	White	—	140 lm	1 h	0,5	20
D-150L-1	Anthracite	—	140 lm	1 h	0,5	20
D-150L-2	Aluminium	—	140 lm	1 h	0,5	20
D-200L	White	—	200 lm	1 h	0,5	20
D-200L-1	Anthracite	—	200 lm	1 h	0,5	20
D-200L-2	Aluminium	—	200 lm	1 h	0,5	20
D-300L	White	—	330 lm	1 h	0,5	20
D-300L-1	Anthracite	—	330 lm	1 h	0,5	20
D-300L-2	Aluminium	—	330 lm	1 h	0,5	20
D-400L	White	—	400 lm	1 h	0,6	20
D-400L-1	Anthracite	—	400 lm	1 h	0,6	20
D-400L-2	Aluminium	—	400 lm	1 h	0,6	20
D-500L	White	—	480 lm	1 h	0,6	20
D-500L-1	Anthracite	—	480 lm	1 h	0,6	20
D-500L-2	Aluminium	—	480 lm	1 h	0,6	20
D-600L	White	—	580 lm	1 h	0,7	20
D-600L-1	Anthracite	—	580 lm	1 h	0,7	20
D-600L-2	Aluminium	—	580 lm	1 h	0,7	20
D-700L	White	—	675 lm	1 h	0,7	20
D-700L-1	Anthracite	—	675 lm	1 h	0,7	20
D-700L-2	Aluminium	—	675 lm	1 h	0,7	20
D2-200L	White	—	200 lm	2 h	0,6	20
D2-200L-1	Anthracite	—	200 lm	2 h	0,6	20
D2-200L-2	Aluminium	—	200 lm	2 h	0,6	20
D2-400L	White	—	410 lm	2 h	0,7	20
D2-400L-1	Anthracite	—	410 lm	2 h	0,7	20
D2-400L-2	Aluminium	—	410 lm	2 h	0,7	20
D3-60L	White	—	60 lm	3 h	0,5	20
D3-60L-1	Anthracite	—	60 lm	3 h	0,5	20
D3-60L-2	Aluminium	—	60 lm	3 h	0,5	20
D3-200L	White	—	200 lm	3 h	0,7	20
D3-200L-1	Anthracite	—	200 lm	3 h	0,7	20
D3-200L-2	Aluminium	—	200 lm	3 h	0,7	20

Standard

Maintained LED

IP
44

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DL-100	White	—	110 lm	1 h	0,5	20
DL-100-1	White	—	110 lm	1 h	0,5	20
DL-100-2	White	—	110 lm	1 h	0,5	20
DL-150	White	—	150 lm	1 h	0,5	20
DL-150-1	Anthracite	—	150 lm	1 h	0,5	20
DL-150-2	Aluminium	—	150 lm	1 h	0,5	20
DL-200	White	—	200 lm	1 h	0,7	20
DL-200-1	Anthracite	—	200 lm	1 h	0,7	20
DL-200-2	Aluminium	—	200 lm	1 h	0,7	20
DL-300	White	—	330 lm	1 h	0,7	20
DL-300-1	Anthracite	—	330 lm	1 h	0,7	20
DL-300-2	Aluminium	—	330 lm	1 h	0,7	20
DL-400	White	—	395 lm	1 h	0,7	20
DL-400-1	Anthracite	—	395 lm	1 h	0,7	20
DL-400-2	Aluminium	—	395 lm	1 h	0,7	20
DL2-200	White	—	270 lm	2 h	0,7	20
DL2-200-1	Anthracite	—	270 lm	2 h	0,7	20
DL2-200-2	Aluminium	—	270 lm	2 h	0,7	20
DL3-100	White	—	120 lm	3 h	0,7	20
DL3-100-1	Anthracite	—	120 lm	3 h	0,7	20
DL3-100-2	Aluminium	—	120 lm	3 h	0,7	20

Available in 127v AC 50/60Hz
Indicate reference + V.

Opal diffuser available.

Available in 24v DC
Indicate reference + C.


Maintained MULTILED

IP
44

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DL-60M	White	—	70 lm	1 h	0,5	20
DL-60M-1	Anthracite	—	70 lm	1 h	0,5	20
DL-60M-2	Aluminium	—	70 lm	1 h	0,5	20
DL-150M	White	—	145 lm	1 h	0,5	20
DL-150M-1	Anthracite	—	145 lm	1 h	0,5	20
DL-150M-2	Aluminium	—	145 lm	1 h	0,5	20
DL-200M	White	—	170 lm	1 h	0,5	20
DL-200M-1	Anthracite	—	170 lm	1 h	0,5	20
DL-200M-2	Aluminium	—	170 lm	1 h	0,5	20
DL-300M	White	—	325 lm	1 h	0,5	20
DL-300M-1	Anthracite	—	325 lm	1 h	0,5	20
DL-300M-2	Aluminium	—	325 lm	1 h	0,5	20

Available in 127v AC 50/60Hz
Indicate reference + V.

Opal diffuser available.

 Multiled fittings are equipped with an LED stripe instead of power LEDs.

Available in 24v DC
Indicate reference + C.

Autotest


Non-maintained MULTILED

JP
44

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DA-60L	White	—	70 lm	1 h	0,6	20
DA-60L-1	Anthracite	—	70 lm	1 h	0,6	20
DA-60L-2	Aluminium	—	70 lm	1 h	0,6	20
DA-100L	White	—	120 lm	1 h	0,6	20
DA-100L-1	Anthracite	—	120 lm	1 h	0,6	20
DA-100L-2	Aluminium	—	120 lm	1 h	0,6	20
DA-150L	White	—	145 lm	1 h	0,6	20
DA-150L-1	Anthracite	—	145 lm	1 h	0,6	20
DA-150L-2	Aluminium	—	145 lm	1 h	0,6	20
DA-200L	White	—	195 lm	1 h	0,6	20
DA-200L-1	Anthracite	—	195 lm	1 h	0,6	20
DA-200L-2	Aluminium	—	195 lm	1 h	0,5	20
DA-300L	White	—	290 lm	1 h	0,6	20
DA-300L-1	Anthracite	—	290 lm	1 h	0,6	20
DA-300L-2	Aluminium	—	290 lm	1 h	0,6	20
DA-400L	White	—	390 lm	1 h	0,6	20
DA-400L-1	Anthracite	—	390 lm	1 h	0,6	20
DA-400L-2	Aluminium	—	390 lm	1 h	0,6	20
DA-500L	White	—	490 lm	1 h	0,7	20
DA-500L-1	Anthracite	—	490 lm	1 h	0,7	20
DA-500L-2	Aluminium	—	490 lm	1 h	0,7	20
DA-600L	White	—	580 lm	1 h	0,7	20
DA-600L-1	Anthracite	—	580 lm	1 h	0,7	20
DA-600L-2	Aluminium	—	580 lm	1 h	0,7	20
DA2-200L	White	—	210 lm	2 h	0,6	20
DA2-200L-1	Anthracite	—	210 lm	2 h	0,6	20
DA2-200L-2	Aluminium	—	210 lm	2 h	0,6	20
DA3-200L	White	—	180 lm	3 h	0,7	20
DA3-200L-1	Anthracite	—	180 lm	3 h	0,7	20
DA3-200L-2	Aluminium	—	180 lm	3 h	0,7	20

Maintained LED

JP
44


	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DAL-100	White	—	130 lm	1 h	0,6	20
DAL-100-1	Anthracite	—	130 lm	1 h	0,6	20
DAL-100-2	Aluminium	—	130 lm	1 h	0,6	20
DAL-200	White	—	210 lm	1 h	0,7	20
DAL-200-1	Anthracite	—	210 lm	1 h	0,7	20
DAL-200-2	Aluminium	—	210 lm	1 h	0,7	20
DAL-300	White	—	300 lm	1 h	0,9	20
DAL-300-1	Anthracite	—	300 lm	1 h	0,9	20
DAL-300-2	Aluminium	—	300 lm	1 h	0,9	20
DAL2-200	White	—	210 lm	2 h	0,6	20
DAL2-200-1	Anthracite	—	210 lm	2 h	0,6	20
DAL2-200-2	Aluminium	—	210 lm	2 h	0,6	20
DAL3-100	White	—	110 lm	3 h	0,7	20
DAL3-100-1	Anthracite	—	110 lm	3 h	0,7	20
DAL3-100-2	Aluminium	—	110 lm	3 h	0,7	20

Intelligent DALI

Compatible with **NormaLINK** 


Non-maintained MULTILED

IP
44

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DID-100L	White	DALI	110 lm	1 h	0,7	20
DID-100L-1	Anthracite	DALI	110 lm	1 h	0,7	20
DID-100L-2	Aluminium	DALI	110 lm	1 h	0,7	20
DID-200L	White	DALI	190 lm	1 h	0,7	20
DID-200L-1	Anthracite	DALI	190 lm	1 h	0,7	20
DID-200L-2	Aluminium	DALI	190 lm	1 h	0,7	20
DID-300L	White	DALI	300 lm	1 h	0,8	20
DID-300L-1	Anthracite	DALI	300 lm	1 h	0,8	20
DID-300L-2	Aluminium	DALI	300 lm	1 h	0,8	20
DID-400L	White	DALI	410 lm	1 h	0,8	20
DID-400L-1	Anthracite	DALI	410 lm	1 h	0,8	20
DID-400L-2	Aluminium	DALI	410 lm	1 h	0,8	20
DID-500L	White	DALI	500 lm	1 h	0,8	20
DID-500L-1	Anthracite	DALI	500 lm	1 h	0,8	20
DID-500L-2	Aluminium	DALI	500 lm	1 h	0,8	20
DID2-200L	White	DALI	200 lm	2 h	0,8	20
DID2-200L-1	Anthracite	DALI	200 lm	2 h	0,8	20
DID2-200L-2	Aluminium	DALI	200 lm	2 h	0,8	20
DID3-200L	White	DALI	205 lm	3 h	0,8	20
DID3-200L-1	Anthracite	DALI	205 lm	3 h	0,8	20
DID3-200L-2	Aluminium	DALI	205 lm	3 h	0,8	20

Maintained LED


IP
44

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DIDL-100	White	DALI	110 lm	1 h	0,7	20
DIDL-100-1	Anthracite	DALI	110 lm	1 h	0,7	20
DIDL-100-2	Aluminium	DALI	110 lm	1 h	0,7	20
DIDL-200	White	DALI	210 lm	1 h	0,9	20
DIDL-200-1	Anthracite	DALI	210 lm	1 h	0,9	20
DIDL-200-2	Aluminium	DALI	210 lm	1 h	0,9	20
DIDL-300	White	DALI	300 lm	1 h	0,6	20
DIDL-300-1	Anthracite	DALI	300 lm	1 h	0,6	20
DIDL-300-2	Aluminium	DALI	300 lm	1 h	0,6	20
DIDL2-200	White	DALI	210 lm	2 h	1,0	20
DIDL2-200-1	Anthracite	DALI	210 lm	2 h	1,0	20
DIDL2-200-2	Aluminium	DALI	210 lm	2 h	1,0	20
DIDL3-100	White	DALI	110 lm	3 h	0,8	20
DIDL3-100-1	Anthracite	DALI	110 lm	3 h	0,8	20
DIDL3-100-2	Aluminium	DALI	110 lm	3 h	0,8	20

Central Battery System

Maintained LED

IP
44

	FINISHING	POWER SUPPLY	LUMEN OUTPUT	CONSUMPTION	CURRENT		PACKAGING
C24	D-S32L24	White	24 Vcc	330 lm	3,48 W	0,145 A	0,6 20
C24	DI-S32L24	White	24 Vcc	330 lm	7 W	0,270 A	0,6 20
	D-S3L	White	230 Vca	210 lm	3,50 W	0,040 A	0,6 20

SATI system



Some versions compliant with French Regulation

Non-maintained MULTILED

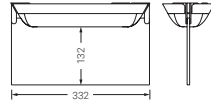
IP 42

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DH-10	White	—	12 lm	5 h	0,7	20
DS-300	White	—	303 lm	1 h	0,7	20
DS-60	White	—	82 lm	1 h	0,7	20

Accessories

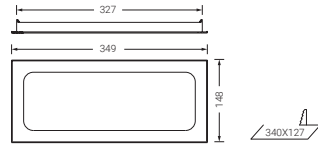
Blade diffuser

	PACKAGING
D-DB	20



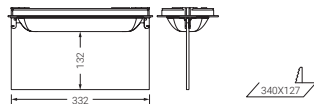
Recession frames

	PACKAGING
D-MEL	20
D-MEL-1	20
D-MEL-2	20



Recession frames with blade diffuser

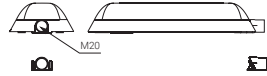
	PACKAGING
D-DBEL	12
D-DBEL-1	12
D-DBEL-2	12



Dunna Accessories

Assembly adaptors

	PACKAGING
D-AT	20



IP65 Housings

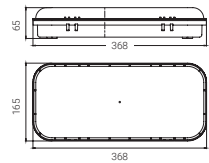
	PACKAGING
D-MS	20
DM-DB	20



DM-DB



D-MS



Fixing supports

U-SBL	Wall fixation for DUNNA range fittings
U-AV	Antivandalic enclosure
D-KS	Suspension kit for Dunna range, 300 mm

Remote controls

S-TE	Remote control for up to 300 standard fittings
S-TEA	Remote control for up to 450 autotest fittings (maximum 3 areas of 150 fittings each)

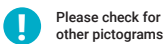
Pictograms

Type N	Adhesive pictogram 150 x 90 mm. <i>References according to table below.</i>
Type LN	Adhesive pictogram 230 x 110 mm. Only for use in the flag diffuser DM-DB and DE-DB. <i>References according to table below.</i>
Type PN	Adhesive pictogram 300 x 130 mm. <i>References according to table below.</i>

Type N	150 x 90 mm	Maximum viewing distance (according to EN1838 for internally illuminated signs)			
REF N-L	REF N-R	REF N-SD	REF N-SU		18 m

Type LN	230 x 110 mm	Maximum viewing distance (according to EN1838 for internally illuminated signs)			
REF LN-L	REF LN-R	REF LN-SD	REF LN-SU		22 m

Type PN	300 x 130 mm	Maximum viewing distance (according to EN1838 for internally illuminated signs)			
REF PN-L	REF PN-R	REF PN-SD	REF PN-SU		26 m





Autotest



Maintained



Non-maintained

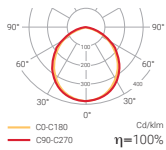


N
New



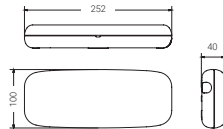
Stylo

Maintained / Non-maintained multiled



The STYLO luminaire takes the concept of simplicity to the next level. It is the ideal luminaire to meet basic emergency lighting needs with an attractive design.

Non-maintained LED



Technical features:


- Housing made from self-extinguishing ABS. Polystyrene diffuser.
- Installation: ceiling or wall mounted (can also be recessed using a recession frame).
- Light range: 35-370 lm.
- Autonomy options: 1-2 h.
- Light source: LED.
- Batteries: Ni-Cd (high temperature).
- Modes of operation:
 - Non-maintained.
 - Maintained.
- Versions: Standard and Autotest.
- IP 44. IK 04.
- Can be mounted on flammable surfaces.
- Charging LED.
- Test button.
- Possibility of remote control (only Non-maintained fittings).
- Power: 230 V · 50/60 Hz.
- Charging time 24 hours.
- Manufactured according to EN 60598-2-22.

Stylo

Standard


Non-maintained MULTILED

IP
44

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
S-30L	White	—	40 lm	1 h	0,4	20
S-60L	White	—	70 lm	1 h	0,4	20
S-100L	White	—	115 lm	1 h	0,4	20
S-150L	White	—	145 lm	1 h	0,4	20
S-200L	White	—	195 lm	1 h	0,4	20
S-300L	White	—	320 lm	1 h	0,4	20
S-400L	White	—	385 lm	1 h	0,4	20
S-500L	White	—	500 lm	1 h	0,4	20
S2-200L	White	—	270 lm	2 h	0,4	20

Maintained MULTILED


IP
44

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
SL-60M	White	—	80 lm	1 h	0,5	20
SL-150M	White	—	160 lm	1 h	0,6	20
SL-200M	White	—	195 lm	1 h	0,6	20
SL-300M	White	—	280 lm	1 h	0,7	20
SL3-100M	White	—	105 lm	3 h	0,3	20

Autotest


Non-maintained MULTILED

IP
44

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
SA-60L	White	—	70 lm	1 h	0,4	20
SA-100L	White	—	105 lm	1 h	0,5	20
SA-150L	White	—	160 lm	1 h	0,5	20
SA-200L	White	—	195 lm	1 h	0,5	20
SA-300L	White	—	290 lm	1 h	0,5	20
SA-400L	White	—	440 lm	1 h	0,5	20
SA3-200L	White	—	185 lm	3 h	0,5	20

Maintained MULTILED

IP
44

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
SAL-60M	White	—	75 lm	1 h	0,4	20
SAL-150M	White	—	160 lm	1 h	0,5	20
SAL-200M	White	—	195 lm	1 h	0,5	20
SAL-300M	White	—	290 lm	1 h	0,5	20

Stylo

Accessories

Blade diffuser

- S-DB
- S-DBE
- S-DBP
- S-DBPE

STYLO + S-DB + Pictogram Type PD



STYLO + S-ME + S-DBE + Pictogram Type PD



STYLO + S-DBP + Pictogram Type N



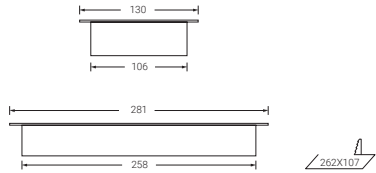
STYLO + S-ME + S-DBPE + Pictogram Type N



Recession frames

- PACKAGING
- S-ME 20

Valid for ceilings and concrete walls

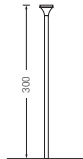


Wall and ceiling mounting accessories

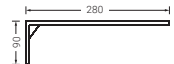
- S-KS Ceiling suspension with 300 mm with aluminium rod
- U-SBC Wall fixation bracket



S-KS



U-SBC + S-DB

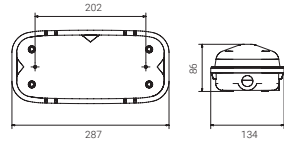


Stylo

Accessories

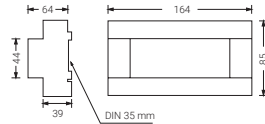
Waterproof box

	PACKAGING
S-MS	20



Remote controls

S-TE	Remote control for up to 300 standard fittings
S-TEA	Remote control for up to 450 autotest fittings (maximum 3 areas of 150 fittings each)



Pictograms

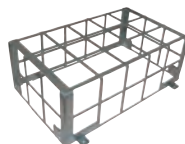
Type N	Adhesive pictogram 150 x 90 mm. <i>References according to table below.</i>
Type PD	Non adhesive pictogram 240 x 120 mm. <i>References according to table below.</i>

Type N 150 x 90 mm				Maximum viewing distance (according to EN1838 for internally illuminated signs) 18 m
REF. N-L	REF. N-R	REF. N-SD	REF. N-SU	
Type PD 240 x 120 mm				Maximum viewing distance (according to EN1838 for internally illuminated signs) 24 m
REF. PD-A	REF. PD-A	REF. PD-SD	REF. PD-SU	

Please check for other pictograms

Protective grill

U-AV	Universal antivandalic protective grill 37 x 19.8 x 9 cm
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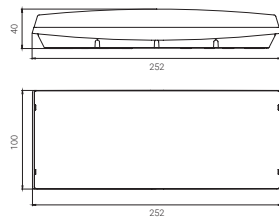
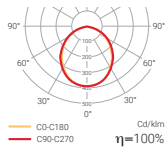




GS

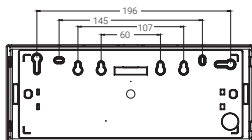


Some versions compliant with French Regulation



Technical features:

- Housing made from self-extinguishing ABS. Polystyrene diffuser.
- Installation: ceiling or wall mounted (can also be recessed using a recession frame).
- Light range: 60-480 lm.
- Autonomy options: 1-2 h.
- Light source: LED.
- Batteries: Ni-Cd (high temperature).
- Modes of operation:
 - Non-maintained.
 - Maintained.
- Versions: Standard, Autotest.
- IP 44. IK 07.
- Can be mounted on flammable surfaces.
- Charging LED.
- Test button.
- Power: 230 V - 50/60 Hz.
- Charging time 24 hours.
- Manufactured according to EN 60598-2-22.
- **Can be installed embedded and watertight.**




! MAXIMUM INSTALLATION COMPATIBILITY

! Suitable for use with remote control (Only non maintained fittings)

Standard


Non-maintained MULTILED

IP
44

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
G-60L	White	—	70 lm	1 h	0,4	30
G-100L	White	—	110 lm	1 h	0,4	30
G-150L	White	—	150 lm	1 h	0,4	30
G-200L	White	—	195 lm	1 h	0,4	30
G-300L	White	—	325 lm	1 h	0,4	30
G-400L	White	—	400 lm	1 h	0,4	30
G-500L	White	—	500 lm	1 h	0,5	30
G2-300L	White	—	305 lm	2 h	0,4	30
G3-200L	White	—	200 lm	3 h	0,4	30

Maintained MULTILED


IP
44

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
GL-60	White	—	80 lm	1 h	0,5	30
GL-100	White	—	100 lm	1 h	0,5	30
GL-150	White	—	170 lm	1 h	0,5	30
GL-200	White	—	200 lm	1 h	0,6	30
GL-300	White	—	300 lm	1 h	0,6	30
GL3-100	White	—	110 lm	3 h	0,6	30

Autotest


Non-maintained MULTILED

IP
44

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
GA-60L	White	—	70 lm	1 h	0,4	30
GA-100L	White	—	105 lm	1 h	0,5	30
GA-150L	White	—	170 lm	1 h	0,5	30
GA-200L	White	—	200 lm	1 h	0,5	30
GA-300L	White	—	310 lm	1 h	0,5	30
GA-400L	White	—	465 lm	1 h	0,5	30
GA3-200L	White	—	195 lm	3 h	0,5	30

Maintained MULTILED

IP
44

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
GAL-60	White	—	75 lm	1 h	0,4	30
GAL-150	White	—	155 lm	1 h	0,5	30
GAL-200	White	—	190 lm	1 h	0,5	30
GAL-300	White	—	310 lm	1 h	0,5	30

GS Accessories

Blade diffuser

- G-DB
- G-DBE
- G-DBP
- G-DBPE

GS + G-DB + Pictogram Type PD



GS + G-ME + G-DBE + Pictogram Type PD



GS + G-DBP + Pictogram Type N

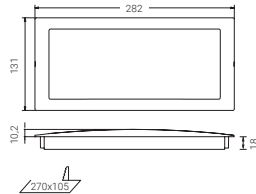


GS + G-ME + G-DBPE + Pictogram Type N



Recession frames

G-ME Embedding frame for GS luminaires



Waterproof box

G-AMS IP65 kit (watertight rubber, PG7 cable gland and joints for screws)

GS

Accessories

Adapter

O-AT M20 tube mounting accessory

Remote controls

S-TE Remote control for up to 300 standard fittings

S-TEA Remote control for up to 450 autotest fittings
(maximum 3 areas of 150 fittings each)

Pictograms

Type N Adhesive pictogram 150 x 90 mm. *References according to table below.*

Type PD Non adhesive pictogram 240 x 120 mm. *References according to table below.*

Type N 150 x 90 mm



Maximum viewing distance
(according to EN 1838 for
internally illuminated signs)

18 m

Type PD 240 x 120 mm

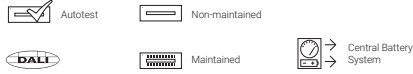


Maximum viewing distance
(according to EN1838 for
internally illuminated signs)

24 m

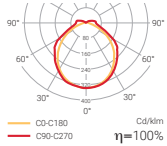


Please check for other pictograms

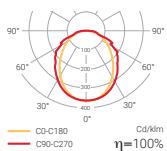


Hermetic

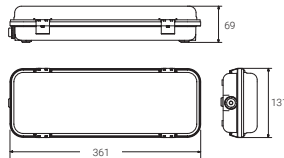
Maintained led



Maintained / Non-maintained multiled



The HERMETIC range is designed to guarantee function in the most demanding buildings. Its IP65 combined with a wide range of versions makes it the perfect choice for large industrial areas, tunnels or car parks.



Technical features:


- Housing made from self-extinguishing ABS. Polystyrene diffuser.
- Installation: ceiling or wall mounted (can also be recessed using a recession frame).
- Light range: 60-620 lm.
- Autonomy: 1-2-3 h.
- Light source: LED.
- Batteries: Ni-Cd (high temperature).
- Modes of operation:
 - Non-maintained.
 - Maintained.
- Versions: Standard, Autotest, Intelligent DALI and CBS (Central Battery System).
- IP 65. IK 8
- Can be mounted on flammable surfaces.
- Charging LED.
- Test button.
- Possibility of remote control.
- Charging time 24 hours.
- Power: 230 V · 50/60 Hz.
- Manufactured according to EN 60598-2-22.
- New improved optics.

Hermetic

Standard


Non-maintained MULTILED

IP
65

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DE-60L	White	—	60 lm	1 h	0,7	20
DE-100L	White	—	110 lm	1 h	0,7	20
DE-150L	White	—	140 lm	1 h	0,7	20
DE-200L	White	—	200 lm	1 h	0,7	20
DE-300L	White	—	330 lm	1 h	0,8	20
DE-400L	White	—	400 lm	1 h	0,8	20
DE-500L	White	—	500 lm	1 h	0,8	20
DE-600L	White	—	620 lm	1 h	0,9	20
DE-1100L	White	—	1100 lm	1 h	0,8	20
DE2-200L	White	—	200 lm	2 h	0,8	20
DE2-400L	White	—	410 lm	2 h	0,9	20
DE3-60L	White	—	60 lm	3 h	0,7	20
DE3-200L	White	—	200 lm	3 h	0,9	20


Maintained LED


IP
65

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DEL-100	White	—	110 lm	1 h	0,7	20
DEL-150	White	—	150 lm	1 h	0,7	20
DEL-200	White	—	200 lm	1 h	0,9	20
DEL-300	White	—	330 lm	1 h	0,9	20
DEL-400	White	—	395 lm	1 h	0,9	20
DEL2-200	White	—	200 lm	2 h	1,0	20
DEL3-100	White	—	120 lm	3 h	1,0	20

Maintained MULTILED

IP
65

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DEL-60M	White	—	70 lm	1 h	0,7	20
DEL-150M	White	—	145 lm	1 h	0,7	20
DEL-200M	White	—	170 lm	1 h	0,7	20
DEL-300M	White	—	325 lm	1 h	0,7	20
DEL2-200M	White	—	240 lm	2 h	0,7	20

 Multiled fittings are equipped with an LED stripe instead of power LEDs.



**BUREAU
VERITAS**


Luminaires with Bureau Veritas Marine approval for naval solutions. Ask about the references available.

Hermetic

Autotest


Non-maintained MULTILED

IP
65

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DEA-60L	White	—	70 lm	1 h	0,8	20
DEA-100L	White	—	110 lm	1 h	0,8	20
DEA-150L	White	—	145 lm	1 h	0,8	20
DEA-200L	White	—	195 lm	1 h	0,8	20
DEA-300L	White	—	290 lm	1 h	0,8	20
DEA-400L	White	—	390 lm	1 h	0,8	20
DEA-500L	White	—	490 lm	1 h	0,9	20
DEA2-200L	White	—	210 lm	2 h	0,8	20
DEA3-200L	White	—	180 lm	3 h	0,9	20

Maintained LED

IP
65


	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DEAL-100	White	—	130 lm	1 h	0,7	20
DEAL-200	White	—	210 lm	1 h	0,7	20
DEAL-300	White	—	300 lm	1 h	1,1	20
DEAL2-200L	White	—	200 lm	2 h	0,7	20
DEAL3-100	White	—	130 lm	3 h	0,7	20

Intelligent DALI

Compatible with **NormaLINK** 


Non-maintained MULTILED

IP
65

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DEID-100L	White	DALI	140 lm	1 h	0,8	20
DEID-200L	White	DALI	190 lm	1 h	1,3	20
DEID-300L	White	DALI	300 lm	1 h	0,9	20
DEID-400L	White	DALI	430 lm	1 h	0,9	20
DEID-500L	White	DALI	500 lm	1 h	1,0	20
DEID2-200L	White	DALI	200 lm	2 h	0,8	20
DEID3-200L	White	DALI	205 lm	3 h	0,9	20
DEID3-500L	White	DALI	500 lm	3 h	0,9	20

Maintained LED


IP
65

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DEIDL-100	White	DALI	110 lm	1 h	1,0	20
DEIDL-200	White	DALI	245 lm	1 h	1,0	20
DEIDL-300	White	DALI	380 lm	1 h	1,1	20
DEIDL2-200	White	DALI	200 lm	2 h	0,7	20
DEIDL3-100	White	DALI	110 lm	3 h	0,9	20

Central Battery System

Maintained LED

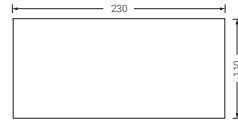
IP
65

	FINISHING	POWER SUPPLY	LUMEN OUTPUT	CONSUMPTION	CURRENT		PACKAGING
C24 DE-S32L24	White	24 Vcc	300 lm	3,50 W	0,146 A	0,6	20
C24i DEI-S32L24	White	24 Vcc	300 lm	7 W	0,270 A	0,6	20
DE-S3L	White	230 Vca	200 lm	3,50 W	0,040 A	0,8	20

Hermetic Accessories

Blade diffuser

DE-DB



Remote controls

S-TE Remote control for up to 300 standard fittings

S-TEA Remote control for up to 450 autotest fittings
(maximum 3 areas of 150 fittings each)

Pictograms

Type LN Adhesive pictogram 230 x 110 mm. *Check references on the table below.*

Type LN 230 x 110 mm



Maximum viewing distance
(according to EN1838 for
internally illuminated signs)

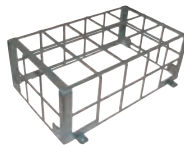
22 m



Please check for other pictograms

Protective grill

U-AV Universal antivandalic protective grill 37 x 19.8 x 9 cm





Non-maintained



Maintained

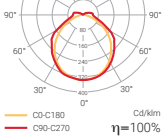


CATEGORY 3
ACCORDING TO
ATEX 94/9/EC

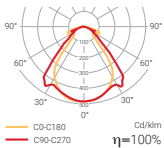


Hermetic EX

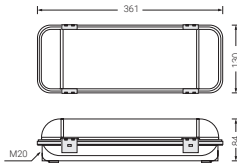
Maintained led



Non-maintained multiled



Version of the emergency luminaire HERMETIC that can be used in Category 3 locations according ATEX/94/9/EC.



Technical features:

- Housing: Polycarbonate. Diffuser: Polycarbonate.
- Installation: Ceiling/wall mounted.
- Light range: 40-290 lm.
- Autonomy: 1-2-3 h.
- Light source: LED.
- Batteries: Ni-Cd (high temperature).
- Modes of operation:
 - Non-maintained.
 - Maintained.
- Versions: Standard, Autotest*, Intelligent DALI* and CBS (Central Battery System*).
- IP 65. IK 08.
- Can be mounted on flammable surfaces.
- Can be used in locations designated Category 3 in accordance with Directive ATEX 2014/34/UE.
- Zones 2, 22
- Charging LED.
- Test button.
- Possibility of remote control.
- Charging time 24 hours.
- Power: 230 V · 50/60 Hz.
- Manufactured according to EN 60598-2-22.


*Check availability.

Hermetic EX

Standard

Non-maintained MULTILED

IP 65

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DE-60LEX	White	—	40 lm	1 h	0,8	20
DE-100LEX	White	—	55 lm	1 h	0,8	20
DE-150LEX	White	—	65 lm	1 h	0,8	20
DE-200LEX	White	—	105 lm	1 h	0,8	20
DE-300LEX	White	—	165 lm	1 h	0,8	20
DE-400LEX	White	—	230 lm	1 h	0,8	20
DE-500LEX	White	—	290 lm	1 h	0,9	20
DE3-60LEX	White	—	60 lm	3 h	0,5	20
DE3-200LEX	White	—	105 lm	3 h	0,9	20

Maintained LED

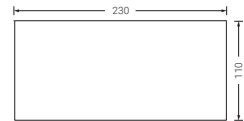
IP 65

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DEL-60EX	White	—	40 lm	1 h	0,8	20
DEL-150EX	White	—	100 lm	1 h	0,8	20
DEL-200EX	White	—	170 lm	1 h	0,8	20
DEL-300EX	White	—	185 lm	1 h	0,8	20
DEL2-200EX	White	—	150 lm	2 h	0,7	20
DEL3-100EX	White	—	70 lm	3 h	0,7	20

Accessories

Blade diffuser

DE-DB



Remote controls


S-TE

Remote control for up to 300 standard fittings

Pictograms

Type LN

Adhesive pictogram 230 x 110 mm. *Check references on the table below.*

 Please check for other pictograms

Type LN 230 x 110 mm



Maximum viewing distance (according to EN1838 for internally illuminated signs)

22 m



Autotest



Non-maintained



Maintained

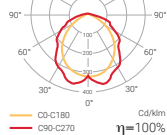


Smart



Some versions compliant with French Regulation

Maintained / Non-maintained multiled

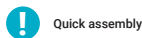


SMART is a range of emergency luminaires designed to adapt to any type of installation thanks to their stylish minimalist lines, their versatility and their ease of installation.



Technical features:

- Dimensions: L 209 x l 112 x P 39 mm
- Batteries: NiCd
- Light range: 70-380 lm
- IP 42, IK 07, Class II
- 230 V 50-60 Hz
- Low consumption
- 100% Led Technology
- Plug in system (quick assembly)
- Remote non-polarized inputs protected against accidental connections ntr.
- Housing made from polycarbonate+ABS V0.
- Materials: Housing made of polycarbonate (PC) + ABS V0
- Available as SATI and SATI Adressable certified according to French Norm NF.
- Manufactured according to EN 60598-2-22.
- Quick assembly plug in system.
- Possibility of remote control.




Quick assembly

Smart

Standard


Non-maintained MULTILED

IP
42

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
SS-100L	White	—	70 lm	1 h	0,5	20
SS-200L	White	—	190 lm	1 h	0,5	20
SS-300L	White	—	330 lm	1 h	0,5	20
SS3-100L	White	—	100 lm	3 h	0,5	20
SS2-300L	White	—	260 lm	2 h	0,5	20

Maintained MULTILED


IP
42

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
SSL-100	White	—	130 lm	1 h	0,5	20
SSL-200	White	—	220 lm	1 h	0,5	20
SSL-300	White	—	270 lm	1 h	0,5	20

Autotest


Non-maintained MULTILED

IP
42

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
SSA-100L	White	—	70 lm	1 h	0,5	20
SSA-200L	White	—	190 lm	1 h	0,5	20
SSA-300L	White	—	300 lm	1 h	0,6	20
SSA3-100L	White	—	120 lm	3 h	0,5	20
SSA2-300L	White	—	350 lm	2 h	0,5	20

Maintained MULTILED

IP
42


	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
SSAL-100	White	—	130 lm	1 h	0,3	20
SSAL-200	White	—	230 lm	1 h	0,6	20
SSAL-300	White	—	320 lm	1 h	0,6	20
SSAL3-100	White	—	115 lm	3 h	0,6	20

Intelligent DALI

Compatible with **NormaLINK** 

Non-maintained MULTILED

IP
42

	FINISHING	COM.	LUMEN	AUTONOMY		PACKAGING
SSID-100L	White	DALI	100 lm	1 h	0,3	20
SSID-200L	White	DALI	190 lm	1 h	0,4	20
SSID-300L	White	DALI	330 lm	1 h	0,6	20

Central Battery System

Maintained LED

IP
42

	FINISHING	POWER SUPPLY	LUMEN OUTPUT	CONSUMPTION	CURRENT		PACKAGING
SS-S25L	White	230 Vca	300 lm	3,58 W	0,018 A	0,4	20

Smart

SATI system



Some versions compliant with French Regulation

Non-maintained MULTILED

IP 42

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
SH-10	White	–	13 lm	5 h	0,5	20
SS-300	White	–	380 lm	1 h	0,5	20
SS-60	White	–	60 lm	1 h	0,5	20
SSH-60	White	–	10/60 lm	1 BAES / 5 BAEH	0,5	20
SHI-10	White	–	13 lm	5 h	0,5	20

SATI ADDRESSABLE system

Non-maintained MULTILED

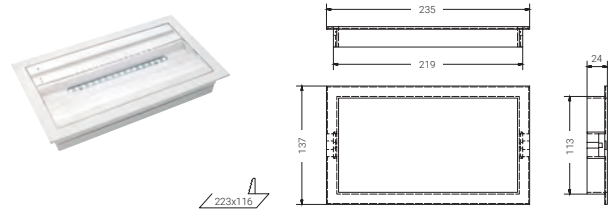
IP 42

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
SSHI-60	White	–	10/60 lm	1 BAES / 5 BAEH	0,5	20
SSI-300	White	–	380 lm	1 h	0,5	20
SSI-60	White	–	60 lm	1 h	0,5	20

Accessories

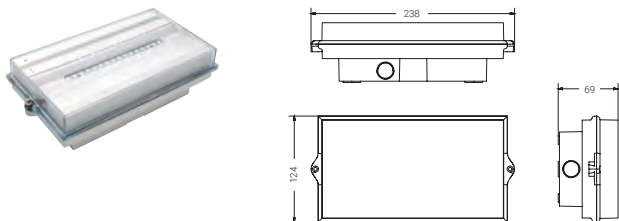
Recession frames

	PACKAGING
SS-ME	20



Waterproof box

	PACKAGING
SS-MS IP65 IK07 housing. Compatible with all the Smart range fittings	20



Smart Accessories

Blade diffuser

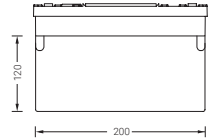
PACKAGING

SS-DB	Flag diffuser compatible with all the fittings of SMART series	20
SS-DBE	Blade diffuser compatible with the recession frame SS-ME (not included)	20



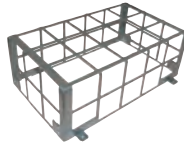
Surface mounted (SS-DB)

Embedded installation (SS-DBE)



Protective grill

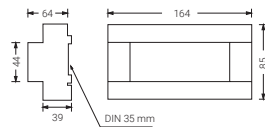
U-AVC Antivandalic protective grill



Remote controls

S-TE Remote control for up to 300 standard fittings

S-TEA Remote control for up to 450 autotest fittings (maximum 3 areas of 150 fittings each)



Pictograms

Type PS Non adhesive pictogram 200 x 120 mm. Check references on the table below.

Type SN Adhesive pictogram 200 x 120 mm. Check references on the table below.

Type PS 200 x 120 mm



Maximum viewing distance (according to EN1838 for internally illuminated signs)

24 m

Type SN 200 x 120 mm



Maximum viewing distance (according to EN1838 for internally illuminated signs)

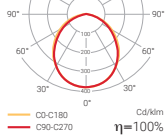
24 m

Please check for other pictograms

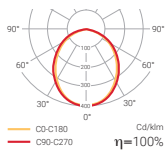


Extraplana

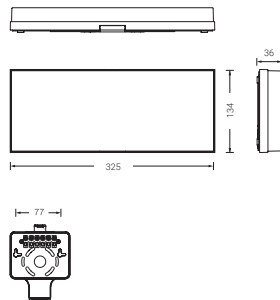
Maintained led



Maintained / Non-maintained multiled



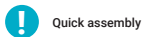
The EXTRAPLANA range can tackle any project thanks to its several different models and the options provided by the accessories offered.



Plug-in base

Technical features:

- Housing made from self-extinguishing ABS. Polystyrene diffuser.
- Installation: Ceiling or wall mounted (can also be recessed using a recession frame).
- Light range: 90-500 lm.
- Autonomy: 1-2-3 h.
- Light source: LED.
- Batteries: Ni-Cd (high temperature).
- Modes of operation:
 - Non-maintained.
 - Maintained/Non-maintained (separate lines).
- Versions: Standard, Autotest, Intelligent DALI and CBS (Central Battery System).
- IP 42 (IP65 via an accessory). IK 04.
- IP44 Equipos Non-maintained Led
- Can be mounted on flammable surfaces
- Charging LED.
- Test button.
- Possibility of remote control.
- Power: 230 V · 50/60 Hz.
- Charging time 24 hours.
- Manufactured according to EN 60598-2-22.
- Quick assembly plug in system.




Extraplana

Standard


Non-maintained MULTILED

IP
44

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
F-80L	White	—	90 lm	1 h	0,7	20
F-200L	White	—	220 lm	1 h	0,7	20
F-300L	White	—	350 lm	1 h	0,7	20
F-400L	White	—	400 lm	1 h	0,7	20
F-500L	White	—	500 lm	1 h	0,8	20
F2-200L	White	—	200 lm	2 h	0,7	20
F3-80L	White	—	80 lm	3 h	0,8	20

Maintained / Non-maintained LED

IP
42

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
FL-60	White	—	95 lm	1 h	0,6	20
FL-150	White	—	130 lm	1 h	0,7	20
FL-200	White	—	180 lm	1 h	0,7	20
FL-300	White	—	300 lm	1 h	0,8	20
FL2-200	White	—	275 lm	2 h	0,8	20
FL3-100	White	—	130 lm	3 h	0,8	20




Extraplana

Autotest


Non-maintained MULTILED

IP 44

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
FA-100L	White	—	150 lm	1 h	0,7	20
FA-200L	White	—	220 lm	1 h	0,7	20
FA-300L	White	—	350 lm	1 h	0,8	20
FA-400L	White	—	420 lm	1 h	0,8	20
FA-500L	White	—	500 lm	1 h	0,9	20
FA2-200L	White	—	280 lm	2 h	0,8	20
FA3-100L	White	—	80 lm	3 h	0,8	20

Maintained / Non-maintained LED

IP 42


	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
FAL-100	White	—	130 lm	1 h	0,7	20
FAL-200	White	—	210 lm	1 h	0,8	20
FAL-300	White	—	300 lm	1 h	0,8	20
FAL2-200	White	—	300 lm	2 h	0,9	20
FAL3-100	White	—	130 lm	3 h	0,8	20

Intelligent DALI

Compatible with **NormaLINK** 


Non-maintained MULTILED

IP 44

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
FID-100L	White	DALI	100 lm	1 h	0,7	20
FID-200L	White	DALI	220 lm	1 h	0,7	20
FID-300L	White	DALI	350 lm	1 h	0,8	20
FID-400L	White	DALI	400 lm	1 h	0,9	20
FID-500L	White	DALI	500 lm	1 h	0,9	20
FID2-200L	White	DALI	280 lm	2 h	0,8	20
FID3-100L	White	DALI	80 lm	3 h	0,8	20

Maintained / Non-maintained LED


IP 42

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
FIDL-100	White	DALI	100 lm	1 h	0,7	20
FIDL-200	White	DALI	180 lm	1 h	0,8	20
FIDL-300	White	DALI	300 lm	1 h	0,9	20
FIDL2-200	White	DALI	250 lm	2 h	0,8	20
FIDL3-100	White	DALI	100 lm	3 h	0,8	20

Central Battery System

Maintained / Non-maintained LED

IP 42

	FINISHING	POWER SUPPLY	LUMEN OUTPUT	CONSUMPTION	CURRENT		PACKAGING
C24	F-S32L24	White	24 Vcc	300 lm	3,5 W	0,145 A	0,6 20
C24i	FI-S32L24	White	24 Vcc	180 lm	7 W	0,27 A	0,6 20
	F-S3L	White	230 Vca	210 lm	4 W	0,125 A	0,6 20



Extraplana

Accessories

Blade diffuser

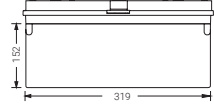
		PACKAGING
F-DBE	Methacrylate blade diffuser with transparent fixation accessory Recessed assembly with F-ME frame (not included)	20
F-DBL	Methacrylate blade diffuser with transparent clips. Surface mounting	20



F-DBE



F-DBL

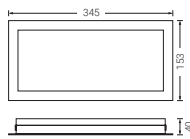


Recession frames

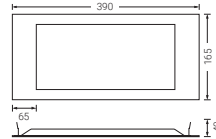
FOR CEILINGS

		PACKAGING
F-ME	Recession frame for EXTRAPLANA series. White colour	20
F-ME-1	Recession frame for EXTRAPLANA series. Anthracite colour	20
F-ME-2	Recession frame for EXTRAPLANA series. Aluminium colour	20
F-ME-M	Metallic embedding frame for EXTRAPLANA series	20

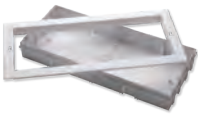
F-ME



F-ME-M

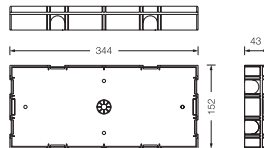
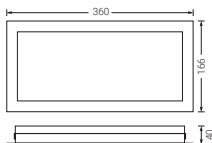


FOR WALLS

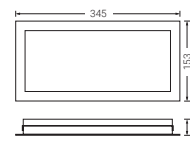


		PACKAGING
F-MEP	Recession frame and box for plasterboard for the EXTRAPLANA series. White colour	20
F-MEP-1	Recession frame and box for EXTRAPLANA series. Anthracite colour	20
F-MEP-2	Recession frame and box for EXTRAPLANA series. Aluminium colour	20
F-MEPL	Wall mounted frame for plasterboard for EXTRAPLANA series	20

F-MEP



F-MEPL

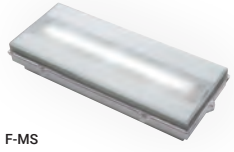


F-MEPL accessory includes screws to fix the luminaire to the frame for the wall mounted option

Extraplana

Accessories

Waterproof box

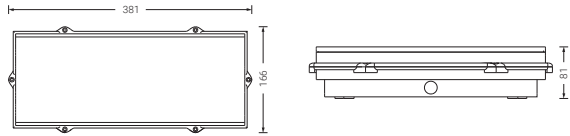


F-MS

F-MS IP65, IK07 housing

PACKAGING

12



RECESSION FRAME

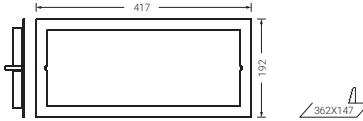


F-MES

F-MES Ceiling recession frame with IP65 housing

PACKAGING

20



! Watertight and suitable for embedding mounted.

Plug in box for tube cable entry

F-CE For metric 20 tube

Bracket for wall installation

U-SBL

Remote controls

S-TE Remote control for up to 300 standard fittings

S-TEA Remote control for up to 450 autotest fittings (maximum 3 areas of 150 fittings each)

Pictograms

Type PF Non adhesive pictogram 320 x 150 mm, for F-DBE and F-DBL accessory. Check references on the table below.

! Please check for other pictograms

Type PF 320 x 150 mm



Maximum viewing distance (according to EN 1838 for internally illuminated signs)

30 m



Autotest



Non-maintained

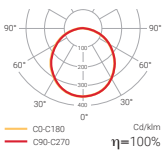


Maintained



Lissa

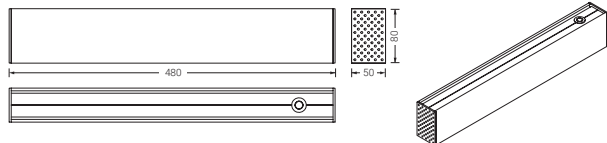
emergency light



Technical features:

- Housing: Extruded aluminium, PVC microprismatic diffuser and methacrylate blade diffuser.
- Mounting options: Surface - Embedded
- Lumen output: 270 lm
- Duration options: 1-3h.
- Light source: LED.
- Batteries: Ni-Cd/NiMh
- Versions: Standard, Autotest, DALI and C24/C24i.
- IP 20. IK 08.
- Can be installed in flammable surfaces.
- Charging LED
- Test Button
- Power Supply : 230v 50/60Hz
- Recharging time: 24 hours
- Manufactured according to EN 60598-2-22 norm.

! Available also as Exit sign (page 124)




Lissa emergency light

Surface

Standard

Maintained / Non-maintained MULTILED


IP
20

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
LNL-300	White	—	270 lm	1 h	0,4	20
LNL3-300	White	—	270 lm	3 h	0,4	20

Autotest

Maintained / Non-maintained MULTILED

IP
20


	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
LNAL-300	White	—	270 lm	1 h	0,5	20
LNAL3-300	White	—	270 lm	3 h	0,5	20

Intelligent DALI

Compatible with **NormaLINK** 

Maintained / Non-maintained MULTILED

IP
20

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
LNIDL-300	White	DALI	270 lm	1 h	0,5	20
LNIDL3-300	White	DALI	270 lm	3 h	0,5	20

Central Battery System

Maintained LED

IP
20

	FINISHING	POWER SUPPLY	LUMEN OUTPUT	CONSUMPTION	CURRENT		PACKAGING
LNS	White	230 Vca	270 lm	—	—	0,4	20



Autotest



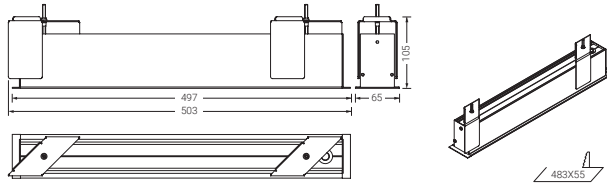
Non-maintained



Maintained




Recessed mounting



Standard

Maintained / Non-maintained MULTILED


IP
20

	FINISHING	COM.	LUMEN	AUTONOMY		PACKAGING
LNEL-300	White	—	270 lm	1 h	0,4	20
LNEL3-300	White	—	270 lm	3 h	0,4	20

Autotest

Maintained / Non-maintained MULTILED

IP
20

	FINISHING	COM.	LUMEN	AUTONOMY		PACKAGING
LNEAL-300	White	—	270 lm	1 h	0,5	20
LNEAL3-300	White	—	270 lm	3 h	0,5	20



Lissa emergency light

Intelligent DALI

Compatible with **NormaLINK**



Maintained / Non-maintained MULTILED

IP
20

	FINISHING	COM.	LUMEN	AUTONOMY		PACKAGING
LNEIDL-300	White	DALI	270 lm	1 h	0,5	20
LNEIDL3-300	White	DALI	270 lm	3 h	0,5	20

Central Battery System

Maintained LED

IP
20

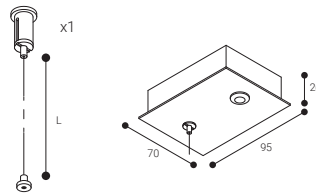
	FINISHING	POWER SUPPLY	LUMEN OUTPUT	CONSUMPTION	CURRENT		PACKAGING
LNES	White	230 Vca	270 lm	—	—	0,4	20


Accessories

Suspension accessory

LN-KS Suspended from the ceiling by a steel cable (including power supply wire of 2 m)

LNID-KS Suspended from the ceiling by a steel cable (including power supply wire of 2 m)



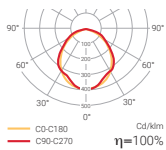
 Non-maintained

 Maintained



Bessel

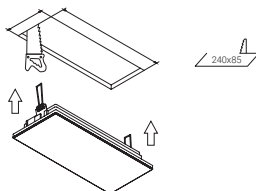
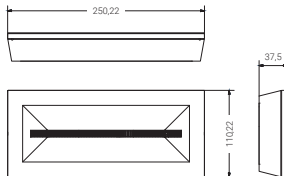
Maintained / Non-maintained multiled




The BESSEL luminaire takes the concept of simplicity to the next level. It is a luminaire designed to meet the basic needs of emergency lighting while maintaining a careful aesthetic.

Technical features:

- Housing made from self-extinguishing ABS. Polystyrene diffuser.
- Installation: Ceiling or wall mounted (can also be recessed using a recession frame).
- Light range: 55-180 lm.
- Autonomy: 1-2-3 h.
- Light source: LED.
- Batteries: Ni-Cd (high temperature).
- Modes of operation:
 - Non-maintained.
 - Maintained.
- Versiones: Standard.
- IP 42/65. IK 04.
- Can be mounted on flammable surfaces
- Charging LED.
- Test button.
- Possibility of remote control.
- Charging time 24 hours.
- Power: 230 V · 50/60 Hz.
- Manufactured according to EN 60598-2-22.
- Posibilidad de instalar empotrado al modelo estanco.
- Quick assembly plug in system.




 Quick assembly

Bessel

Standard

Non-maintained MULTILED

IP
42


	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
L-60L	White	—	60 lm	1,5 h	0,5	20
L-100L	White	—	105 lm	1,5 h	0,6	20
L-150L	White	—	170 lm	1,5 h	0,6	20
L-200L	White	—	180 lm	1,5 h	0,6	20
L3-100L	White	—	75 lm	3 h	0,6	20

IP
65

LE-60L	White	—	60 lm	1,5 h	0,5	20
LE-100L	White	—	105 lm	1,5 h	0,6	20
LE-150L	White	—	170 lm	1,5 h	0,6	20
LE-200L	White	—	180 lm	1,5 h	0,6	20
LE3-100L	White	—	75 lm	3 h	0,6	20

Maintained MULTILED

IP
42

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
LL-60	White	—	55 lm	1,5 h	0,5	20
LL-100	White	—	100 lm	1,5 h	0,6	20
LL-150	White	—	150 lm	1,5 h	0,6	20
LL3-100	White	—	70 lm	3 h	0,6	20

IP
65

LLE-60	White	—	55 lm	1,5 h	0,5	20
LLE-100	White	—	100 lm	1,5 h	0,5	20
LLE-150	White	—	150 lm	1,5 h	0,6	20
LLE3-100	White	—	70 lm	3 h	0,6	20

For other versions, please contact us



**WATERTIGHT AND
SUITABLE FOR
RECESSED MOUNTING**

Accessories

L-FE Clips for recessed mounting

L-FS IP65 gasket



Autotest



Non-maintained



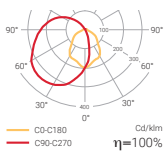
Maintained



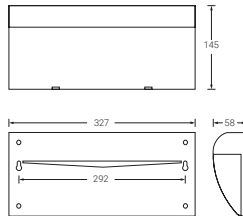
Central Battery System



Volutta



Volutta is the result of mixing equal parts of versatility and style.




Technical features:

- Housing made from self-extinguishing ABS. Polystyrene diffuser.
- Installation: Wall mounted.
- Light range: 45-370 lm.
- Autonomy options: 1-2-3 h.
- Light source: LED.
- Batteries: Ni-Cd (high temperature).
- Modes of operation:
 - Non-maintained.
 - Maintained.
- Versions: Standard, Autotest, Intelligent DALI and CBS (Central Battery System).
- IP 22. IK 04.
- Can be mounted on flammable surfaces.
- Charging LED.
- Test button.
- Possibility of remote control.
- Power: 230 V · 50/60 Hz.
- Charging time 24 hours.
- Manufactured according to EN 60598-2-22.

Standard


Non-maintained MULTILED

IP
22

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
V-50L	White	—	45 lm	1 h	0,6	20
V-50L-1	Anthracite	—	45 lm	1 h	0,6	20
V-50L-2	Aluminium	—	45 lm	1 h	0,6	20
V-75L	White	—	90 lm	1 h	0,6	20
V-75L-1	Anthracite	—	90 lm	1 h	0,6	20
V-75L-2	Aluminium	—	90 lm	1 h	0,6	20
V-170L	White	—	150 lm	1 h	0,6	20
V-170L-1	Anthracite	—	150 lm	1 h	0,6	20
V-170L-2	Aluminium	—	150 lm	1 h	0,6	20
V-300L	White	—	290 lm	1 h	0,7	20
V-300L-1	Anthracite	—	290 lm	1 h	0,7	20
V-300L-2	Aluminium	—	290 lm	1 h	0,7	20
V-400L	White	—	370 lm	1 h	0,7	20
V-400L-1	Anthracite	—	370 lm	1 h	0,7	20
V-400L-2	Aluminium	—	370 lm	1 h	0,7	20

Maintained MULTILED

IP
22

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VL-60	White	—	60 lm	1 h	0,6	20
VL-60-1	Anthracite	—	60 lm	1 h	0,6	20
VL-60-2	Aluminium	—	60 lm	1 h	0,6	20
VL-200	White	—	285 lm	1 h	0,6	20
VL-200-1	Anthracite	—	285 lm	1 h	0,6	20
VL-200-2	Aluminium	—	285 lm	1 h	0,6	20
VL2-200	White	—	200 lm	2 h	0,7	20
VL2-200-1	Anthracite	—	200 lm	2 h	0,7	20
VL2-200-2	Aluminium	—	200 lm	2 h	0,7	20




Volutta

Autotest

Maintained LED

IP
22


	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VAL-100	White	—	80 lm	1 h	0,7	20
VAL-100-1	Anthracite	—	80 lm	1 h	0,7	20
VAL-100-2	Aluminium	—	80 lm	1 h	0,7	20
VAL-200	White	—	200 lm	1 h	0,7	20
VAL-200-1	Anthracite	—	200 lm	1 h	0,7	20
VAL-200-2	Aluminium	—	200 lm	1 h	0,7	20
VAL3-100	White	—	100 lm	3 h	0,8	20
VAL3-100-1	Anthracite	—	100 lm	3 h	0,8	20
VAL3-100-2	Aluminium	—	100 lm	3 h	0,8	20

Intelligent DALI

Compatible with **NormaLINK** 

Maintained LED

IP
22

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VIDL-100	White	DALI	80 lm	1 h	0,7	20
VIDL-100-1	Anthracite	DALI	80 lm	1 h	0,7	20
VIDL-100-2	Aluminium	DALI	80 lm	1 h	0,7	20
VIDL-200	White	DALI	200 lm	1 h	0,8	20
VIDL-200-1	Anthracite	DALI	200 lm	1 h	0,8	20
VIDL-200-2	Aluminium	DALI	200 lm	1 h	0,8	20
VIDL3-100	White	DALI	100 lm	3 h	0,8	20
VIDL3-100-1	Anthracite	DALI	100 lm	3 h	0,8	20
VIDL3-100-2	Aluminium	DALI	100 lm	3 h	0,8	20

Central Battery System

Maintained LED

IP
22

	FINISHING	POWER SUPPLY	LUMEN OUTPUT	CONSUMPTION	CURRENT		PACKAGING	
C24	V-S3L24	White	24 Vcc	250 lm	6,0 W	0,250 A	0,6	20
	V-S3L	White	230 Vca	250 lm	6,0 W	0,069 A	0,6	20

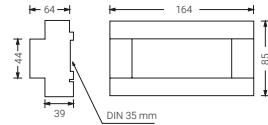
Volutta

Accessories

Remote controls


Compatible with all the VOLUTTA range

- S-TE** Remote control for up to 300 standard fittings
- S-TEA** Remote control for up to 450 autotest fittings (maximum 3 areas of 150 fittings each)



Pictograms

Type PN Adhesive pictogram 300 x 130 mm. Check references on the table below.

 Please check for other pictograms

Type PN 300 x 130 mm



Maximum viewing distance (according to EN1838 for internally illuminated signs)

26 m





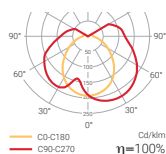
Non-maintained



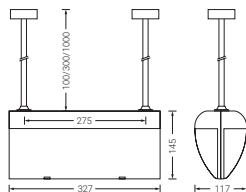
Maintained



Volutta doble



VOLUTTA DOBLE is an emergency luminaire that offers numerous possibilities for installation. It can be mounted on the ceiling or suspended from the ceiling/wall using an accessory.



Technical features:

- Housing made from self-extinguishing ABS. Polystyrene diffuser.
- Installation: Ceiling mounted (suspended with a ceiling/wall fixation with an accessory)
- Light range: 60-310 lm.
- Autonomy options: 1-2-3 h.
- Light source: LED.
- Batteries: Ni-Cd (high temperature).
- Modes of operation:
 - Non-maintained.
 - Maintained.
- Versions: Standard, Autotest*, Autotest Centralizado* and CBS (Central Battery System*).
- IP 22. IK 04.
- Can be mounted on flammable surfaces.
- Charging LED.
- Test button.
- Possibility of remote control.
- Power: 230 V · 50/60 Hz.
- Charging time 24 hours.
- Manufactured according to EN 60598-2-22.


*Check availability.

Volutta doble

Standard


Non-maintained MULTILED

IP
22

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VD-75L	White	—	75 lm	1 h	1,0	10
VD-75L-1	Anthracite	—	75 lm	1 h	1,0	10
VD-75L-2	Aluminium	—	75 lm	1 h	1,0	10
VD-300L	White	—	290 lm	1 h	1,0	10
VD-300L-1	Anthracite	—	290 lm	1 h	1,0	10
VD-300L-2	Aluminium	—	290 lm	1 h	1,0	10
VD3-75L	White	—	80 lm	3 h	0,9	10
VD3-75L-1	Anthracite	—	80 lm	3 h	0,9	10
VD3-75L-2	Aluminium	—	80 lm	3 h	0,9	10

Maintained MULTILED

IP
22

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VDL-60	White	—	60 lm	1 h	1,1	10
VDL-60-1	Anthracite	—	60 lm	1 h	1,1	10
VDL-60-2	Aluminium	—	60 lm	1 h	1,1	10
VDL-200	White	—	310 lm	1 h	1,2	10
VDL-200-1	Anthracite	—	310 lm	1 h	1,2	10
VDL-200-2	Aluminium	—	310 lm	1 h	1,2	10
VDL2-200	White	—	200 lm	2 h	0,8	10
VDL2-200-1	Anthracite	—	200 lm	2 h	0,8	10
VDL2-200-2	Aluminium	—	200 lm	2 h	0,8	10

Volutta doble

Accessories

Wall and ceiling mounting accessories

VKS-100	1000 mm. ceiling suspension. White colour.
VKS-100-1	1000 mm. ceiling suspension. Anthracite colour.
VKS-100-2	1000 mm. ceiling suspension. Aluminium colour.
VKS-30	300 mm. ceiling suspension. White colour.
VKS-30-1	300 mm. ceiling suspension. Anthracite colour.
VKS-30-2	300 mm. ceiling suspension. Aluminium colour.
V-C	100 mm ceiling suspension. White colour.
V-C-1	100 mm ceiling suspension. Anthracite colour.
V-C-2	100 mm ceiling suspension. Aluminium colour.
V-DSB	Suspension with wall bracket. White colour.
V-DSB-1	Suspension with wall bracket. Anthracite colour.
V-DSB-2	Suspension with wall bracket. Aluminium colour.



VKS



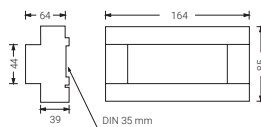
V-C



VDSB

Remote controls

S-TE Remote control for up to 300 standard fittings





 Non-maintained

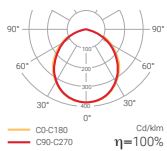
 Maintained



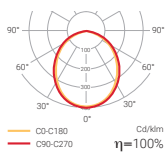
Volutta

recessed mounting

Maintained led




Non-maintained led



Technical features:

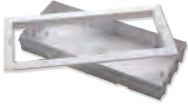
- Housing made of self-extinguishing ABS. Polystyrene diffuser.
- Installation: Ceiling/wall recessed.
- Light range: 90-500 lm.
- Autonomy options: 1-2-3 h.
- Light source: LED.
- Batteries: Ni-Cd (high temperature).
- Modes of operation:
 - Non-maintained.
 - Maintained/Non-maintained (separate lines).
- Versions: Standard, Autotest*, Intelligent DALI* and CBS (Central Battery System)*.
- IP 42. IK 04.
- Can be mounted on flammable surfaces.
- Charging LED.
- Test button.
- Possibility of remote control.
- Power: 230 V - 50/60 Hz.
- Charging time 24 hours.
- Manufactured according to EN 60598-2-22.
- Quick assembly plug in system.

 Quick assembly

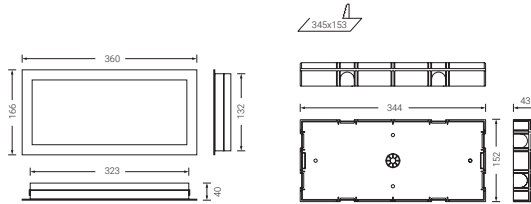
*Check availability.

Volutta recessed mounting

WALL MOUNTING



Box for wall mounting (supplied with rear box for recession)



Standard

Non-maintained MULTILED

IP 44

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VP-80L	White	—	90 lm	1 h	1,5	20
VP-80L-1	Anthracite	—	90 lm	1 h	1,5	20
VP-80L-2	Aluminium	—	90 lm	1 h	1,5	20
VP-200L	White	—	220 lm	1 h	1,5	20
VP-200L-1	Anthracite	—	220 lm	1 h	1,5	20
VP-200L-2	Aluminium	—	220 lm	1 h	1,5	20
VP-300L	White	—	350 lm	1 h	1,6	20
VP-300L-1	Anthracite	—	350 lm	1 h	1,6	20
VP-300L-2	Aluminium	—	350 lm	1 h	1,6	20
VP-400L	White	—	400 lm	1 h	1,6	20
VP-400L-1	Anthracite	—	400 lm	1 h	1,6	20
VP-400L-2	Aluminium	—	400 lm	1 h	1,6	20
VP-500L	White	—	500 lm	1 h	1,1	20
VP-500L-1	Anthracite	—	500 lm	1 h	1,1	20
VP-500L-2	Aluminium	—	500 lm	1 h	1,1	20
VP2-200L	White	—	200 lm	2 h	1,6	20
VP2-200L-1	Anthracite	—	200 lm	2 h	1,6	20
VP2-200L-2	Aluminium	—	200 lm	2 h	1,6	20
VP3-80L	White	—	80 lm	3 h	0,9	20
VP3-80L-1	Anthracite	—	80 lm	3 h	0,9	20
VP3-80L-2	Aluminium	—	80 lm	3 h	0,9	20

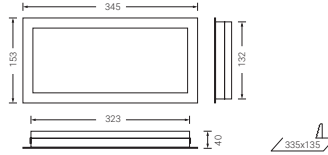
Maintained LED

IP 42

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VPL-60	White	—	95 lm	1 h	0,9	20
VPL-60-1	Anthracite	—	95 lm	1 h	0,9	20
VPL-60-2	Aluminium	—	95 lm	1 h	0,9	20
VPL-150	White	—	130 lm	1 h	0,9	20
VPL-150-1	Anthracite	—	130 lm	1 h	0,9	20
VPL-150-2	Aluminium	—	130 lm	1 h	0,9	20
VPL-200	White	—	180 lm	1 h	1,0	20
VPL-200-1	Anthracite	—	180 lm	1 h	1,0	20
VPL-200-2	Aluminium	—	180 lm	1 h	1,0	20
VPL2-200	White	—	180 lm	2 h	0,8	20
VPL2-200-1	Anthracite	—	180 lm	2 h	0,8	20
VPL2-200-2	Aluminium	—	180 lm	2 h	0,8	20
VPL3-100	White	—	100 lm	3 h	1,1	20
VPL3-100-1	Anthracite	—	100 lm	3 h	1,1	20
VPL3-100-2	Aluminium	—	100 lm	3 h	1,1	20

Volutta recessed mounting

CEILING MOUNTING



Standard

Non-maintained MULTILED

IP
44

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VT-80L	White	—	90 lm	1 h	0,8	20
VT-80L-1	Anthracite	—	90 lm	1 h	0,8	20
VT-80L-2	Aluminium	—	90 lm	1 h	0,8	20
VT-200L	White	—	220 lm	1 h	0,8	20
VT-200L-1	Anthracite	—	220 lm	1 h	0,8	20
VT-200L-2	Aluminium	—	220 lm	1 h	0,8	20
VT-300L	White	—	350 lm	1 h	0,9	20
VT-300L-1	Anthracite	—	350 lm	1 h	0,9	20
VT-300L-2	Aluminium	—	350 lm	1 h	0,9	20
VT-400L	White	—	400 lm	1 h	0,9	20
VT-400L-1	Anthracite	—	400 lm	1 h	0,9	20
VT-400L-2	Aluminium	—	400 lm	1 h	0,9	20
VT-500L	White	—	500 lm	1 h	1,0	20
VT-500L-1	Anthracite	—	500 lm	1 h	1,0	20
VT-500L-2	Aluminium	—	500 lm	1 h	1,0	20
VT2-200L	White	—	200 lm	2 h	0,9	20
VT2-200L-1	Anthracite	—	200 lm	2 h	0,9	20
VT2-200L-2	Aluminium	—	200 lm	2 h	0,9	20
VT3-80L	White	—	80 lm	3 h	0,9	20
VT3-80L-1	Anthracite	—	80 lm	3 h	0,9	20
VT3-80L-2	Aluminium	—	80 lm	3 h	0,9	20

Maintained LED

IP
42

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
VTL-60	White	—	95 lm	1 h	0,8	20
VTL-60-1	Anthracite	—	95 lm	1 h	0,8	20
VTL-60-2	Aluminium	—	95 lm	1 h	0,8	20
VTL-150	White	—	130 lm	1 h	0,8	20
VTL-150-1	Anthracite	—	130 lm	1 h	0,8	20
VTL-150-2	Aluminium	—	130 lm	1 h	0,8	20
VTL-200	White	—	180 lm	1 h	0,9	20
VTL-200-1	Anthracite	—	180 lm	1 h	0,9	20
VTL-200-2	Aluminium	—	180 lm	1 h	0,9	20
VTL2-200	White	—	180 lm	2 h	0,9	20
VTL2-200-1	Anthracite	—	180 lm	2 h	0,9	20
VTL2-200-2	Aluminium	—	180 lm	2 h	0,9	20
VTL3-100	White	—	100 lm	3 h	0,9	20
VTL3-100-1	Anthracite	—	100 lm	3 h	0,9	20
VTL3-100-2	Aluminium	—	100 lm	3 h	0,9	20

Volutta recessed mounting

Central Battery System

Maintained LED

IP 42

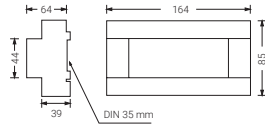
	FINISHING	POWER SUPPLY	LUMEN OUTPUT	CONSUMPTION	CURRENT		PACKAGING
VT-S3L	White	230 Vca	250 lm	6,0 W	0,069 A	0,6	20

Accessories

Remote controls

S-TE Remote control for up to 300 standard fittings

Compatible with all the VOLUTTA range



Pictograms

Type PN Adhesive pictogram 300 x 130 mm. Check references on the table below.

Type PN 300 x 130 mm



Maximum viewing distance
(according to EN1838 for
internally illuminated signs)

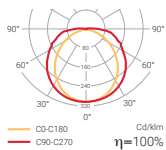
26 m



Please check for other pictograms



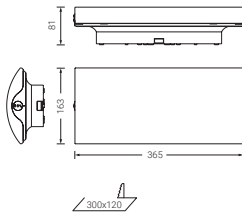
Excellence



The EXCELLENCE emergency fittings are our bet on design and functionality. They are luminaires that are fully made from polycarbonate with stylish shapes that make it ideal for mounting on the wall/ceiling or recessed mounting.

Technical features:

- Housing, diffuser and base: polycarbonate.
- Installation: Ceiling / wall mounted and wall / ceiling recessed (suspended with a ceiling/ wall fixation with an accessory)
- Light range: 100-306 lm.
- Autonomy options: 1-2-3 h.
- Light source: LED.
- Batteries: Ni-Cd (high temperature).
- Modes of operation:
 - Non-maintained.
 - Maintained/Non-maintained (separate lines)..
- Versions: Autotest, Intelligent DALI and CBS (Central Battery System).
- IP 42. IP20. IK 04.
- Can be mounted on flammable surfaces.
- Charge Led and independent leds for anomalies.
- Test button.
- Possibility of remote control.
- Power: 230 V · 50/60 Hz.
- Charging time 24 hours.
- Manufactured according to EN 60598-2-22.
- Quick assembly plug in system.




Quick assembly

Standard

Non-maintained MULTILED

IP
42


	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
E-200L	White	—	200 lm	1 h	1,2	12
E-300L	White	—	300 lm	1 h	1,2	12

Autotest




Non-maintained MULTILED

IP
42

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
EA-200L	White	—	180 lm	1 h	1,2	12
EA-300L	White	—	300 lm	1 h	1,3	12

Maintained MULTILED

IP
42


	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
EAL-200M	White	—	180 lm	1 h	1,2	12
EAL-250M	White	—	270 lm	1 h	1,2	12
EAL-300M	White	—	300 lm	1 h	1,2	12
EAL3-100M	White	—	110 lm	3 h	1,2	12

Intelligent DALI

Compatible with **NormaLINK** 

Maintained LED


IP
42

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
EIDL-250M	White	DALI	250 lm	1 h	1,2	12
EIDL-300M	White	DALI	310 lm	1 h	1,2	12
EIDL3-100M	White	DALI	100 lm	3 h	1,2	12

Central Battery System

Maintained LED

IP
42

	FINISHING	POWER SUPPLY	LUMEN OUTPUT	CONSUMPTION	CURRENT		PACKAGING
C24 E-S32L24	White	24 Vcc	200 lm	2,59 W	0,108 A	1,0	12
C24I EI-S25L24	White	24 Vcc	240 lm	3 W	0,125 A	1,0	12
E-S24L	White	230 Vca	306 lm	3,70 W	0,019 A	1,2	12

Excellence

Accessories

FALSE CEILING RECESSED MOUNTING (accessory included)



SURFACE MOUNTING (accessory included)



Tube cable entry

O-AT M20 tube mounting accessory.
Adapter included free of charge.

Minitrunking cable entry

The fitting has three entries for minitrunking, 20 x 10mm

Recession frames

This fitting does not require any recession frame. Two metal clips are supplied with it free of charge.

Aluminium frame

E-MD



Light orientator

E-OL Aluminium sheet to be installed over the diffuser and direct the light to the flag diffuser, avoiding the glare



Excellence

Accessories

Wall and ceiling mounting accessories

OKS-30	300 mm metal rod for ceiling suspension
OKS-100	1000 mm metal rod for ceiling suspension
E-SBT	Ceiling accessorie
E-SB	Wall accessorie



O-KS 30/100



E-SB

Remote controls

S-TEA	Remote control for up to 450 autotest fittings (maximum 3 areas of 150 fittings each)
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Check other control options on page 156

Serigraphed methacrylate blade diffusers

E-DB	E-DB transparent blade diffuser (includes the clips for installation) PAB type pictogram included
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The methacrylate pictograms are offered with the wall fixation bracket. The transparent blade diffuser (Ref: E-DB) can also be used with any of the adhesives for any other use.



Type PAB 350 x 150 mm



Maximum viewing distance (according to EN1838 for internally illuminated signs)

30 m

Pictograms

Type PAM	Non adhesive pictogram (350 x 168mm). To be used on the E-MD accessorie (not included)
-----------------	---

Type PE	355 x 150 mm. adhesive pictogram to be placed on the cover of the emergency light
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Type PAM 350 x 168 mm



Maximum viewing distance (according to EN1838 for internally illuminated signs)

36 m

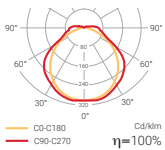
Type PE 355 x 150 mm



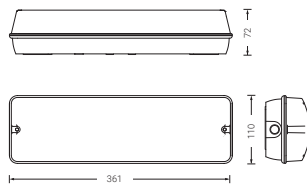
Please check for other pictograms



Europrisma



The emergency fittings from the EUROPRISMA range are designed to guarantee function in the most challenging installations. Its IP65 combined with a wide range of products makes it the ideal choice for industrial Installations.



Technical features:


- Housing: Polycarbonate. Diffuser: Polycarbonate
- Installation: ceiling or wall mounted (can also be recessed using a recession frame).
- Light range: 70-275 lm.
- Autonomy options: 1-2-3 h.
- Light source: LED.
- Batteries: Ni-Cd (high temperature).
- Modes of operation:
 - Non-maintained
 - Maintained/Non-maintained a través de líneas separadas.
- Versions: Standard, Autotest, Intelligent DALI and CBS (Central Battery System).
- IP 65. IK 07. Multiled fittings IK10
- Can be mounted on flammable surfaces.
- Charging LED.
- Test button.
- Possibility of remote control.
- Power: 230 V · 50/60 Hz.
- Charging time 24 hours.
- Circuit installed on a swivelling surface for a quick mounting.
- Manufactured according to EN 60598-2-22.
- Quick assembly plug in system.

Europrisma

Standard

Non-maintained MULTILED

IK 10 IP 65

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
EH-200L	White	—	200 lm	1 h	0,8	20
EH-300L	White	—	300 lm	1 h	0,8	20
EH3-100L	White	—	100 lm	3 h	0,8	20

Maintained MULTILED


IK 10 IP 65

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
EHL-200M	White	—	200 lm	1 h	0,8	20
EHL3-100M	White	—	110 lm	3 h	0,8	20

Maintained / Non-maintained LED

IK 07 IP 65

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
EHL2-200	White	—	210 lm	2 h	0,9	20

 Multiled fittings include a Led stripe instead of high power Leds.

Autotest


Maintained LED


IK 07 IP 65

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
EHAL3-100	White	—	120 lm	3 h	0,9	20

Maintained / Non-maintained MULTILED

IK 10 IP 65

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
EHAL-200M	White	—	270 lm	1 h	0,7	20
EHAL3-100M	White	—	110 lm	3 h	0,7	20

 Multiled fittings include a Led stripe instead of high power Leds.

Intelligent DALI

Compatible with **NormaLINK**

Maintained LED

IK 07 IP 65

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
EHIDL-200	White	DALI	240 lm	1 h	1,1	20

Maintained / Non-maintained MULTILED

IK 10 IP 65

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
EHIDL-200M	White	DALI	270 lm	1 h	1,2	20
EHIDL3-100M	White	DALI	110 lm	3 h	1,2	20
EHIDL-200C	White	DALI	240 lm	1 h	0,8	20

Multiled fittings include a Led stripe instead of high power Led's.

Ref. EHIDL-200C: Valid for temperatures up to -25°C

Central Battery System

Maintained LED

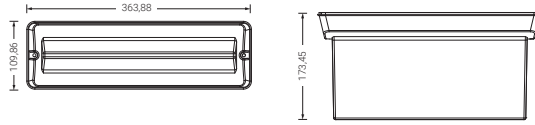
IP 65

	FINISHING	POWER SUPPLY	LUMEN OUTPUT	CONSUMPTION	CURRENT		PACKAGING
C24 EH-S24L24	White	24 Vcc	290 lm	2,88 W	0,120 A	0,9	20
C24i EH-S25L24	White	24 Vcc	240 lm	3 W	0,125 A	0,9	20
EH-S25L	White	230 Vca	270 lm	2,70 W	0,008 A	0,7	20

Europrisma Accessories

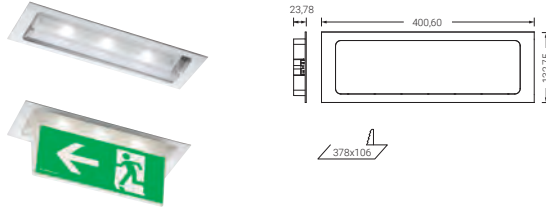
Blade diffuser

EH-DB



Recession frames

EH-ME



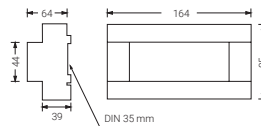
! Watertight and suitable for embedding mounted

Wall and ceiling brackets

E-SB Bracket for wall mounting
E-SBT Bracket for ceiling mounting

Remote controls

S-TE Remote control for up to 300 standard fittings
S-TEA Remote control for up to 450 autotest fittings (maximum 3 areas of 150 fittings each)



Pictograms



Type PM Internal pictogram 300 x 100 mm. Check references on the table below.

Type PM 300 x 100 mm



Maximum viewing distance (according to EN1838 for internally illuminated signs)

20 m

! Please check for other pictograms



Autotest



Non-maintained



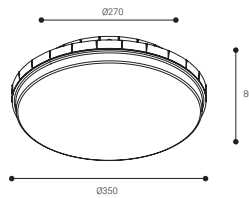
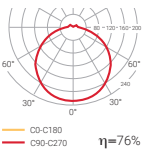
Maintained



N
New



Uro



Technical features:

- Housing: Self extinguishable ABS: Polycarbonate diffuser.
- Installation: Surface mounted to the wall and ceiling
- Lumen output range: 500-710 lm
- Duration options: 1-3h
- Light source: LED.
- Batteries: Ni-Cd/NiMH
- Functioning mode
 - Maintained / Non maintained
- Versions: Standard, Autotest and DALI.
- IP 65. IK 10.
- Can be installed in flammable surfaces.
- Charging LED
- Test button
- Can be used with a remote control
- Power supply: 230v 50/60Hz
- Recharging time: 24 hours.
- Manufactured according to EN 60598-2-22 norm.
- Possibility of remote control option.


! Two mounting possibilities:
Wall or ceiling

Uro

Standard

Maintained / Non-maintained MULTILED


IP
65

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
UL3-500	White	—	500 lm	3 h	0,7	20
UL-700	White	—	710 lm	1 h	0,7	20

Autotest

Non-maintained MULTILED

IP
65


	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
UAL3-500	White	—	500 lm	3 h	0,7	20
UAL-700	White	—	710 lm	1 h	0,7	20

Intelligent DALI

Compatible with **NormaLINK** 

Non-maintained MULTILED

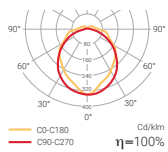
IP
65

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
UIDL3-500	White	DALI	500 lm	3 h	0,7	20
UIDL-700	White	DALI	710 lm	1 h	0,7	20



Hermetic XL

Maintained / Non-maintained multibed

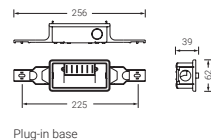
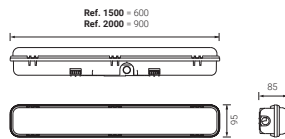


HERMETIC XL is a waterproof (IP66) luminaire ideal for basements, garages or any industrial activity. Specifically designed with LED technology, it incorporates the new and revolutionary quick installation system which improves installation time and optimises maintenance work.

Technical features:

- Housing: Polycarbonate. Diffuser: Polycarbonate
- Installation: ceiling or wall mounted.
- Light range: 1.330-1.960 lm.
- Autonomy: 1 h.
- Light source: LED.
- Batteries: Ni-Mh.
- Modes of operation:
 - Non-maintained.
 - Maintained/Non-maintained (separate lines).
- Versions: Standard, Autotest, Intelligent DALI.
- IP 66, IK 10.
- Can be mounted on flammable surfaces
- Charging LED.
- Test button.
- Possibility of remote control.
- Charging time 24 hours.
- Power: 230 V · 50/60 Hz.
- Manufactured according to EN 60598-2-22.
- Quick assembly plug in system.

! Quick installation system




! Quick assembly

Hermetic XL

Standard


Non-maintained MULTILED


IP
66

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DE-1500L	Gray	—	1330 lm	1 h	1,4	1
DE-2000L	Gray	—	1960 lm	1 h	2,2	1

Maintained / Non-maintained MULTILED

IP
66


	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DEL-1500	Gray	—	1330 lm	1 h	2,2	1
DEL-2000	Gray	—	1960 lm	1 h	2,9	1

 For other durations,
please contact us

Autotest


Non-maintained MULTILED

IP
66

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DEA-1500L	Gray	—	1330 lm	1 h	2,2	1
DEA-2000L	Gray	—	1960 lm	1 h	3,0	1

Maintained / Non-maintained MULTILED

IP
66


	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DEAL-1500	Gray	—	1330 lm	1 h	2,2	1
DEAL-2000	Gray	—	1960 lm	1 h	3,0	1

Intelligent DALI

Compatible with **NormaLINK** 


Non-maintained MULTILED

IP
66

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DEIDL-1500L	Gray	DALI	1330 lm	1 h	2,0	1
DEIDL-2000L	Gray	DALI	1960 lm	1 h	2,0	1

Maintained / Non-maintained MULTILED

IP
66

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DEIDL-1500	Gray	DALI	1330 lm	1 h	2,2	1
DEIDL-2000	Gray	DALI	1960 lm	1 h	3,0	1

Accessories

Remote control

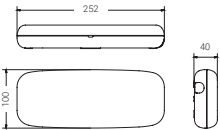
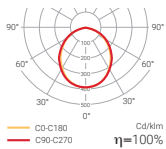
 For other durations,
please contact us

S-TEA Remote control for up to 450 autotest fittings
(maximum 3 areas of 150 fittings each)

 Non-maintained



Aura




Technical features:

- Housing: Self extinguishable ABS: Polycarbonate diffuser.
- Wall / ceiling mounted
- Lumen output range: 57-355 lm
- Duration options: 1h
- Light Source: LED
- Battery : High temperature Ni-Cd
- Functioning mode
 - Non Maintained
- Versions: standard
- IP 42. IK 04.
- Can be installed in flammable surfaces.
- Charging LED
- Test button
- Can be used with remote control
- Power Supply: 230v 50/60Hz
- Recharging time: 24 hours
- Manufactured according to EN 60598-2-22 norm.

Standard

Non-maintained LED

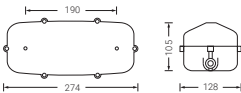
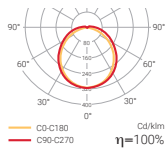
 IP 42

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
A-60L	White	—	57 lm	1 h	0,4	30
A-100L	White	—	105 lm	1 h	0,4	30
A-150L	White	—	135 lm	1 h	0,4	30
A-200L	White	—	175 lm	1 h	0,4	30
A-300L	White	—	310 lm	1 h	0,4	30
A-400L	White	—	355 lm	1 h	0,4	30
A2-200L	White	—	200 lm	2 h	0,4	30

 Non-maintained



Aura 65




Technical features:

- Housing: Self extinguishable ABS: Polycarbonate diffuser.
- Wall / ceiling mounted
- Lumen output range: 57-355 lm
- Duration options: 1h
- Light Source: LED
- Battery : High temperature Ni-Cd
- Functioning mode
 - Non Maintained
- Versions: standard
- IP 65. IK 07.
- Can be installed in flammable surfaces.
- Charging LED
- Test button
- Can be used with remote control
- Power Supply: 230v 50/60Hz
- Recharging time: 24 hours
- Manufactured according to EN 60598-2-22 norm.

Standard

Non-maintained LED

 IP 65

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
AE-60L	White	—	57 lm	1 h	0,6	20
AE-100L	White	—	105 lm	1 h	0,6	20
AE-150L	White	—	135 lm	1 h	0,6	16
AE-200L	White	—	175 lm	1 h	0,6	20
AE-300L	White	—	310 lm	1 h	0,7	20
AE-400L	White	—	355 lm	1 h	0,7	20
AE2-200L	White	—	200 lm	2 h	0,7	20

Aura and Aura 65 Accessories

Recession frames

A-ME Embedding frame for AURA series fittings PACKAGING
20



! Only compatible with Aura series fittings

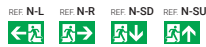
Remote controls

S-TE Remote control for up to 300 standard fittings

Pictograms

Type N Adhesive pictogram 150 x 90 mm. *References according to table below.*

Type N 150 x 90 mm



Maximum viewing distance
(according to EN1838 for
internally illuminated signs)

18 m

! Please check for other pictograms





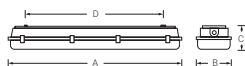
Non-maintained



Maintained



Watertight self-contained fittings



	A	B	C	D
1x18	680	105	120	500
2x18	680	175	120	500
1x36	1,280	105	120	912
2x36	1,280	175	120	912
1x58	1,600	105	120	995
2x58	1,600	175	120	995

Technical features:

- Installation: Wall/ceiling mounted
- Light range: 526-1.872 lm.
- Autonomy options: 1-2 h.
- Light source: FLUORESCENT.
- Batteries: Ni-Cd (high temperature).
- Modes of operation:
 - Non-maintained.
 - Maintained.
 - Sustained.
- Versions: Standard and Centralized Autotest *
- IP 65.
- Can be mounted on flammable surfaces
- Charge Led and independent leds for anomalies.
- Possibility of remote control.
- Power: 230 V · 50/60 Hz.
- Charging time 24 hours.
- Manufactured according to EN 60598-2-22 and EN 20392-93.

*Check availability.

Watertight self-contained fittings

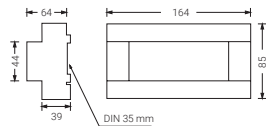
JP
65

	DESCRIPTION	LUMEN OUTPUT	AUTONOMY
MES2FL36C	2 x 36 fitting – 1 maintained + 1 emergency	837 lm	1 h
MESFL36	1 x 36 fitting – emergency	837 lm	1 h
MES2FL36P	2 x 36 fitting – 2 maintained + 1 emergency	837 lm	1 h
MESFL36P	1 x 36 fitting – maintained + emergency	837 lm	1 h
MES2FL58C	2 x 58 fitting – 1 maintained + 1 emergency	936 lm	1 h
MESFL58	1 x 58 fitting – emergency	936 lm	1 h
MES2FL58P	2 x 58 fitting – 2 maintained + 1 emergency	936 lm	1 h
MESFL58P	1 x 58 fitting – maintained + emergency	936 lm	1 h
MES2FL36	2 x 36 fitting – 2 emergency	1674 lm	1 h
MES2FL36P2E	2 x 36 fitting – 2 maintained + 2 emergency	1674 lm	1 h
MES2FL58	2 x 58 fitting – 2 emergency	1872 lm	1 h
MES2FL58P2E	2 x 58 fitting – 2 maintained + 2 emergency	1872 lm	1 h
MES2FL18C	2 x 18 fitting – 1 maintained + 1 emergency	526 lm	2 h
MESFL18	1 x 18 fitting – emergency	526 lm	2 h
MESFL18P	1 x 18 fitting – maintained + emergency	526 lm	2 h
MES2FL18	2 x 18 fitting – 2 emergency	1052 lm	2 h
MES2FL18P	2 x 18 fitting – 2 maintained + 1 emergency	1052 lm	2 h
MES2FL18P2E	2 x 18 fitting – 2 maintained + 2 emergency	1052 lm	2 h

Accessories

Remote controls

S-TE Remote control for up to 300 standard fittings





Autotest



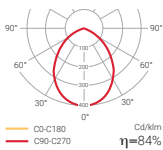
Non-maintained



Dopplo



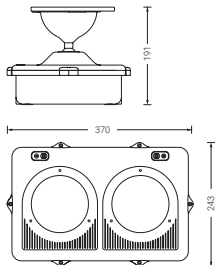
Some versions compliant with French Regulation



The DOPPLO emergency fittings are designed to cover large surfaces in spaces that require an aesthetic design. Made with a polycarbonate housing, they form wide light range that makes them versatile fittings for large and medium-sized spaces (large halls, pavilions, sports centres etc.).

Technical features:

- Housing: polycarbonate.
- Installation: Wall/ceiling mounted
- Light range: 1040-3500 lm.
- Autonomy options: 1-2-3 h.
- LED
- Batteries: lead.
- Modes of operation:
 - Non-maintained.
 - Maintained/ Non-maintained (separate lines).
- Versions: Standard, Autotest and Intelligent DALI.
- IP 65. IK 07.
- Can be mounted on flammable surfaces
- Charging LED.
- Test button.
- Possibility of remote control.
- Power: 230 V · 50/60 Hz.
- Charging time 24 hours.
- Manufactured according to EN 60598-2-22.
- Quick assembly plug in system.




Quick assembly

Dopplo

Standard

Non-maintained LED

IP
65

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DO-1100L	Gray	—	1040 lm	1 h	5,3	1
DO-1900L	Gray	—	1850 lm	1 h	6,1	1
DO-2400L	Gray	—	2300 lm	1 h	6,4	1
DO-3000L	Gray	—	3500 lm	1 h	7,3	1
DO2-1900L	Gray	—	1850 lm	2 h	6,4	1
DO3-1000L	Gray	—	1000 lm	3 h	6,4	1

Maintained / Non-maintained LED


IP
65

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DOL-1900	Gray	—	1850 lm	1 h	6,0	1

Autotest

Non-maintained LED

IP
65


	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DOA-1100L	Gray	—	1040 lm	1 h	5,4	1
DOA-1900L	Gray	—	1850 lm	1 h	6,1	1
DOA-2400L	Gray	—	2070 lm	1 h	6,5	1
DOA2-1900L	Gray	—	1950 lm	2 h	7,4	1
DOA3-1000L	Gray	—	1000 lm	3 h	5,0	1

Intelligent DALI

Compatible with **NormaLINK** 

Non-maintained LED

IP
65

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DOID-1100L	Gray	DALI	1040 lm	1 h	7,8	1
DOID-1900L	Gray	DALI	1850 lm	1 h	8,5	1
DOID-2400L	Gray	DALI	2070 lm	1 h	6,6	1
DOID2-1900L	Gray	DALI	1850 lm	2 h	8,9	1
DOID3-1000L	Gray	DALI	1000 lm	3 h	6,5	1

SATI
ADDRESSABLE
systemSome versions
compliant with
French Regulation

Non-maintained LED

IP
65

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
DOAS-2400L	Gray	—	2500 lm	1 h	5,5	1
DOIS-2400L	Gray	—	2500 lm	1 h	5,5	1

Accessories

Remote controls

S-TE	Remote control for up to 300 standard fittings
S-TEA	Remote control for up to 450 autotest fittings (maximum 3 areas of 150 fittings each)

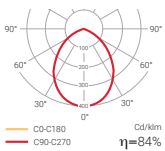
Protective grill

DO-AV	Antivandalic protective grill. Measurements in cm: 52 x 35 x 27	PACKAGING 1
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 Non-maintained



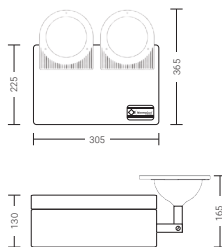
Twin spots



The TWIN SPOTS were designed to illuminate large work areas. Their IP65 and their wide light range combined with the robustness of their housing make these fittings the ideal solution for illuminating large industrial areas.

Technical features:

- Housing: polycarbonate.
- Installation: Wall/ceiling mounted
- Light range: 1040-5980 lm.
- Autonomy options: 1-2-3 h.
- LED
- Batteries: lead.
- Modes of operation:
 - Non-maintained.
- Versions: Standard, Autotest and Intelligent DALI*.
- IP 65, IK 07.
- Can be mounted on flammable surfaces
- Possibility of remote control.
- Power: 230 V · 50/60 Hz.
- Charging time 24 hours.
- Manufactured according to EN 60598-2-22.




*Check availability.

Twin spots

Standard

Non-maintained LED

IP
65

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
FO-1100L	Grey	—	1040 lm	1 h	6,4	1
FO-1900L	Grey	—	1850 lm	1 h	7,1	1
FO-2400L	Grey	—	2300 lm	1 h	7,5	1
FO-3000L	Grey	—	3500 lm	1 h	8,4	1
FO-6000L	Grey	—	5980 lm	1 h	13,6	1
FO2-1900L	Grey	—	1850 lm	2 h	7,5	1
FO3-1000L	Grey	—	1000 lm	3 h	7,5	1



Accessories

PACKAGING

FO-AV	Antivandalic protective grill. Measurements in cm: 48 x 42 x 27	1
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Autotest



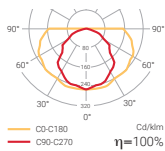
Non-maintained



CATEGORY 2
ACCORDING TO
ATEX 94/9/EC



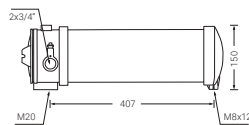
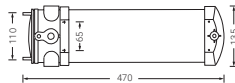
Explosion proof



The EXPLOSION PROOF range was specifically designed for use in explosive atmospheres that have been designated category II in accordance with Directive ATEX 94/9/EC.

Technical features:

- Installation: Wall mounted.
- Light range: 200-400 lm.
- Autonomy options: 1 h.
- Light source: FLUORESCENT.
- Batteries: Ni-Cd (high temperature).
- Modes of operation:
 - Non-maintained.
- Versions: Standard, Autotest and Intelligent DALI.
- IP 67. IK 06.
- Possibility of remote control.
- Power: 230 V - 50/60 Hz.
- Charging time 24 hours.
- Valid for sites designated category II in accordance with Directive ATEX 94/9/EC.
- Zone: 1, 21. Exd. IIC T6.
- Plate for wall mounting not supplied.
- Explosion proof cable glands not supplied
- Manufactured according to EN 60598-2-22 and EN 50018.




Explosion proof

Standard

Non-maintained / Fluorescent


IP
67

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
EX-200	Glass	—	200 lm	1 h	6,1	1
EX-400	Glass	—	400 lm	1 h	6,5	1

Autotest

Non-maintained / Fluorescent

IP
67


	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
EXA-200	Glass	—	200 lm	1 h	5,0	1
EXA-400	Glass	—	400 lm	1 h	5,0	1

Intelligent DALI

Compatible with **NormaLINK** 

Non-maintained / Fluorescent

IP
67

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
EXID-200	Glass	DALI	200 lm	1 h	5,0	1
EXID-400	Glass	DALI	400 lm	1 h	6,2	1

Accessories

Remote controls

S-TE	Remote control for up to 300 standard fittings
S-TEA	Remote control for up to 450 autotest fittings (maximum 3 areas of 150 fittings each)

Wall mounting

BRIDAEX	Wall mounting accessory
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Exit signs

Lissa exit signs	124
Extraline	128
Steeled	132
Signal 7	134



Autotest



Non-maintained



Maintained

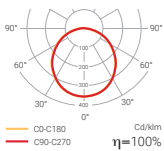


N
New



Lissa

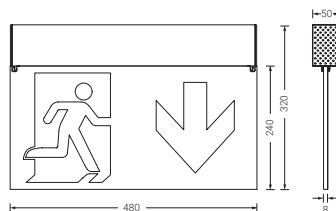
exit signs



Technical features:

- Housing: Extruded aluminium, microprismatic PVC diffuser and metacrilate flag diffuser.
 - Installation: Surface-Recessed mounted
 - Duration options: 1-3h
 - Light source: LED.
 - Batteries: Ni-Cd/ Ni-MH
 - Operation modes
 - Maintained / Non maintained
 - Maintained
 - Versions: Standard, Autotest and DALI.
- IP 20. IK 04.
 - Can be installed on flammable surfaces.
 - Charging LED
 - Test button
 - Power Supply: 230v 50/60Hz
 - Recharging time: 24 hours
 - Manufactured according to EN 60598-2-22 norm.

! Available also as emergency light (page 80)



! Blade diffuser and pictograms included



Lissa exit signs surface

Surface

Standard

Maintained MULTILED


IP
20

	FINISHING	COM.	AUTONOMY		PACKAGING
LN	White	—	1 h	0,4	20
LN3	White	—	3 h	0,4	20

Autotest

Maintained MULTILED

IP
20


	FINISHING	COM.	AUTONOMY		PACKAGING
LNA	White	—	1 h	0,4	20
LNA3	White	—	3 h	0,4	20

Intelligent DALI

Compatible with **NormaLINK** 


Maintained MULTILED

IP
20

	FINISHING	COM.	AUTONOMY		PACKAGING
LNID	White	DALI	1 h	0,4	20
LNID3	White	DALI	3 h	0,4	20

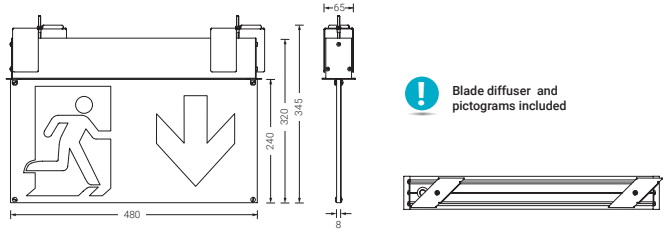
Accessories

Pictograms

Type PLI Non adhesive pictogram 480 x 240 mm. Check references on the table below**Type PLI** 480 x 240 mmREF. **PLI-A**REF. **PLI-A**REF. **PLI-SD**REF. **PLI-SU**REF. **PLI-BIE**REF. **PLI-EXT**REF. **PLI-PUL**Maximum viewing distance
(according to EN1838 for
internally illuminated signs)**48 m**Maximum viewing distance
(according to CTE)**10 m** Please check for
other pictograms



Recessed mounting



Standard

Maintained MULTILED



	FINISHING	COM.	AUTONOMY		PACKAGING
LNE	White	—	1 h	0,4	20
LNE3	White	—	3 h	0,4	20

Autotest

Maintained MULTILED



	FINISHING	COM.	AUTONOMY		PACKAGING
LNEA	White	—	1 h	0,4	20
LNEA3	White	—	3 h	0,4	20




Lissa exit signs recessed mounting

Intelligent DALI

Compatible with **NormaLINK** 

Maintained MULTILED

IP
20

	FINISHING	COM.	AUTONOMY		PACKAGING
LNEID	White	DALI	1 h	0,4	20
LNEID3	White	DALI	3 h	0,4	20

Accessories

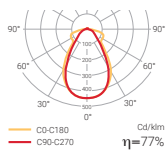
Pictograms

Type PLI Non adhesive pictogram 480 x 240 mm. *Check references on the table below***Type PLI** 480 x 240 mmREF. **PLI-A**REF. **PLI-A**REF. **PLI-SD**REF. **PLI-SU**Maximum viewing distance
(according to EN1838 for
internally illuminated signs)**48 m**REF. **PLI-BIE**REF. **PLI-EXT**REF. **PLI-PUL**Maximum viewing distance
(according to CTE)**10 m**Please check for
other pictograms



Extraline

VIEWING DISTANCE 30 m.

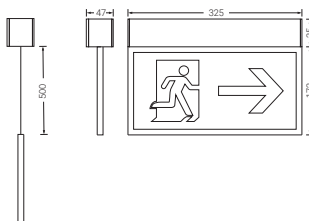


EXTRALINE was born as an evolved version of the SIGNAL7 product range with two models depending on the mode of operation:

- Exit sign model (reference XS), to help locate the exits in the evacuation route.
- Exit sign + emergency lighting model (reference XD), Which locates the exits and illuminates the evacuation route at the same time. This second function is achieved by means of a secondary source of light located in the lower part of the pictogram.

Technical features:

- Housing: self-extinguishable ABS Blade diffuser: Methacrylate.
- Installation: Ceiling attached/suspended or parallel /perpendicular to the wall (using Accessories).
- Autonomy options: 1-3 h.
- Light source: LED.
- Batteries: Ni-Cd (high temperature).
- Modes of operation:
 - Maintained.
- Versions: Standard, Autotest and CBS (Central Battery System) and CBSI
- IP 20. IK 07.
- Can be mounted on flammable surfaces
- Possibility of remote control.
- Power: 230 V - 50/60 Hz.
- Charging time 24 hours.
- Maximum viewing distance (according to Norm EN 1838): 30 metres.
- Manufactured in accordance to Norms EN 60598-1, EN 1838 y 60598-2-22.




Blade diffuser, suspension kit and pictograms included.

Standard

Maintained LED

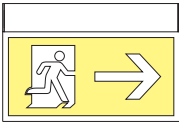
IP
20

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
XS	White	—	—	1 h	0,5	12
XD	White	—	100 lm	1 h	1,1	12
XS3	White	—	—	3 h	0,5	12
XD3	White	—	60 lm	3 h	0,5	12

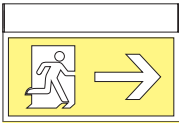
XD Fitting with double function:

Exit sign and emergency lighting

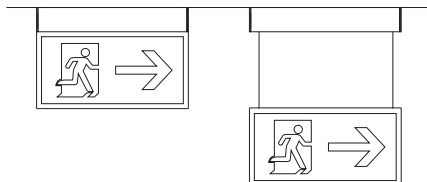
XS



XD



Two different mounting options not requiring extra accessories:
surface mounted on the ceiling or **suspended from the ceiling**.




Extraline

Autotest

Maintained LED

IP
20


	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
XSA	White	—	—	1 h	1,1	20
XDA	White	—	100 lm	1 h	1,1	12
XSA3	White	—	—	3 h	1,1	20
XDA3	White	—	60 lm	3 h	1,1	20

Intelligent DALI

Compatible with **NormaLINK** 

Maintained LED


IP
20

	FINISHING	COM.	LUMEN OUTPUT	AUTONOMY		PACKAGING
XSID	White	DALI	—	1 h	1,4	20
XDID	White	DALI	100 lm	1 h	0,5	20
XSID3	White	DALI	—	3 h	0,5	20
XDID3	White	DALI	60 lm	3 h	0,5	20

Central Battery System

Maintained LED

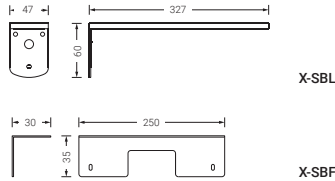
IP
20

	FINISHING	POWER SUPPLY	LUMEN OUTPUT	CONSUMPTION	CURRENT		PACKAGING
XS-S	White	230 Vca	—	2,7 W	0,033 A	0,4	20
XD-S	White	230 Vca	100 lm	2,7 W	0,033 A	0,4	20
C24 XD-S24	White	24 Vcc	100 lm	5,28 W	0,220 A	0,4	20
C24 XS-S24	White	24 Vcc	—	2,64 W	0,110 A	0,4	20
C24i XDI-S24	White	24 Vcc	100 lm	2,4 W	0,100 A	0,4	20
C24i XSI-S24	White	24 Vcc	—	2,4 W	0,100 A	0,4	20

Extraline Accessories

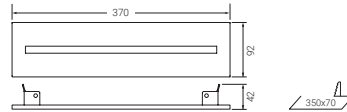
Brackets

- X-SBF** Accessory for parallel to the wall mounting
- X-SBL** Accessory for perpendicular to the wall mounting



Recession frames

- X-ME** Metallic embedding frame to install EXTRALINE series fittings into the ceiling (recessed).



Remote controls

- S-TEA** Remote control for up to 450 autotest fittings (maximum 3 areas of 150 fittings each)

Pictograms

- Type PEX** Non adhesive pictogram 300 x 150 mm. Check references on the table below.

Type PEX 300 x 150 mm



Maximum viewing distance
(according to EN1838 for
internally illuminated signs)

30 m

Pictograms included

Please check for other pictograms



Autotest



Maintained



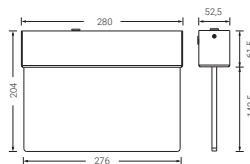
Steeled



VIEWING
DISTANCE

24 m.

The STEELED Exit signs were designed to offer a large visibility distance of 24 m while also offering an innovative and functional design. Constructed with stainless steel housing and a methacrylate blade which guarantees robustness and durability.



Technical features:

- Housing: Acero INOX.
- Installation: Adosada a pared/techo.
- Autonomy options: 1 h.
- Light source: LED.
- Batteries: Ni-Cd (high temperature).
- Modes of operation:
 - Maintained.
- Versions: Standard, Autotest, Intelligent DALI and CBS (Central Battery System)*.
- IP 20. IK 04.
- Can be mounted on flammable surfaces.
- Possibility of remote control.
- Power: 230 V · 50/60 Hz.
- Charging time 24 hours.
- Maximum viewing distance (according to Norm EN 1838): 24 metres.
- Manufactured in accordance to Norms EN 60598-1, EN 1838 y 60598-2-22.

*Check availability.

Steeled

Standard

Maintained LED

IP
20

	FINISHING	COM.	AUTONOMY		PACKAGING
STT	Stainless steel	—	1 h	3,1	20
STP	Stainless steel	—	1 h	2,9	20

Autotest

Maintained LED

IP
20


	FINISHING	COM.	AUTONOMY		PACKAGING
STTA	Stainless steel	—	1 h	0,7	20
STPA	Stainless steel	—	1 h	0,7	20

Intelligent DALI

Compatible with **NormaLINK** 

Maintained LED

IP
20

	FINISHING	COM.	AUTONOMY		PACKAGING
STTID	Stainless steel	DALI	1 h	0,7	20
STPID	Stainless steel	DALI	1 h	0,7	20

Accessories

Remote controls

S-TE Remote control for up to 300 standard fittings

S-TEA Remote control for up to 450 autotest fittings
(maximum 3 areas of 150 fittings each)

Pictograms


Type PST Pictogram 245 x 120 mm. Check references on the table below.

Tipo PST 245 x 120 mm



Maximum viewing distance
(according to EN1838 for
internally illuminated signs)

24 m

 Please check
for other pictograms



Parallel to the wall



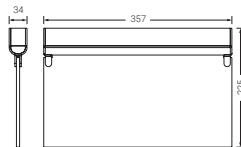
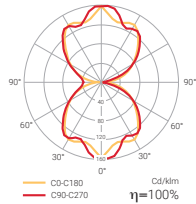
Perpendicular to the wall



Signal 7

VIEWING DISTANCE 24 m.

The SIGNAL 7 Exit Signs were designed as extremely versatile fittings to cover all installation needs. Constructed with polycarbonate housing and a methacrylate blade guaranteeing a visibility distance of 24 m.



Technical features:

- Housing: Polycarbonate. Blade diffuser: Methacrylate
- Installation: Ceiling attached/suspended or parallel /perpendicular to the wall (using accessories).
- Autonomy options: 1-3 h.
- Light source: LED.
- Batteries: Ni-Cd (high temperature).
- Modes of operation:
 - Maintained.
- Versions: Standard, Autotest, Intelligent DALI and CBS (Central Battery System).
- IP 20. IK 04.
- Can be mounted on flammable surfaces.
- Power: 230 V · 50/60 Hz.
- Charging time 24 hours.
- Maximum viewing distance (according to Norm EN 1838): 24 metres.
- Manufactured in accordance to Norms EN 60598-1, EN 1838 y 60598-2-22.


Remote control option, please contact us

Signal 7

Standard

Maintained LED


IP
20

	FINISHING	COM.	AUTONOMY		PACKAGING
SG-K	White	—	1 h	0,9	8
SG-K-1	Anthracite	—	1 h	0,9	8
SG-K-2	Aluminium	—	1 h	0,9	8
SG3-K	White	—	3 h	1,0	8
SG3-K-1	Anthracite	—	3 h	1,0	8
SG3-K-2	Aluminium	—	3 h	1,0	8

Autotest


Maintained LED

IP
20

	FINISHING	COM.	AUTONOMY		PACKAGING
SGA-K	White	—	1 h	1,0	8
SGA-K-1	Anthracite	—	1 h	1,0	8
SGA-K-2	Aluminium	—	1 h	1,0	8
SGA3-K	White	—	3 h	1,0	8
SGA3-K-1	Anthracite	—	3 h	1,0	8
SGA3-K-2	Aluminium	—	3 h	1,0	8

Non-maintained LED

IP
20

	FINISHING	COM.	AUTONOMY		PACKAGING
SGEA-K	White	—	1 h	1,0	8
SGEA-K-1	Anthracite	—	1 h	1,0	8
SGEA-K-2	Aluminium	—	1 h	1,0	8
SGEA3-K	White	—	3 h	1,0	8
SGEA3-K-1	Anthracite	—	3 h	1,0	8
SGEA3-K-2	Aluminium	—	3 h	1,0	8

Each unit includes::

- An SG luminaire
- Flag diffuser SG-DB
- A set of four pictograms (2 left-right/1 down / 1 white)
- SG-AT mounting accessories for the wall


Signal 7

Intelligent DALI

Compatible with **NormaLINK**


Maintained LED

IP
20

	FINISHING	COM.	AUTONOMY		PACKAGING
SGID-K	White	DALI	1 h	1,0	8
SGID-K-1	Anthracite	DALI	1 h	1,0	8
SGID-K-2	Aluminium	DALI	1 h	1,0	8
SGID3-K	White	DALI	3 h	1,0	8
SGID3-K-1	Anthracite	DALI	3 h	1,0	8
SGID3-K-2	Aluminium	DALI	3 h	1,0	8

Non-maintained LED


IP
20

	FINISHING	COM.	AUTONOMY		PACKAGING
SGEID3-K	White	DALI	3 h	1,0	8
SGEID3-K-1	Anthracite	DALI	3 h	1,0	8
SGEID3-K-2	Aluminium	DALI	3 h	1,0	8

Central Battery System

Maintained LED

IP
20

	FINISHING	POWER SUPPLY	CONSUMPTION	CURRENT		PACKAGING	
C24	SG-S24-K	White	24 Vcc	1,704 W	0,071 A	0,9	8
C24	SG-S24-K-1	Anthracite	24 Vcc	1,704 W	0,071 A	0,9	8
C24	SG-S24-K-2	Aluminium	24 Vcc	1,704 W	0,071 A	0,9	8
C24i	SGI-S24-K	White	24 Vcc	2,4 W	0,100 A	0,9	8
C24i	SGI-S24-K-1	Anthracite	24 Vcc	2,4 W	0,100 A	0,9	8
C24i	SGI-S24-K-2	Aluminium	24 Vcc	2,4 W	0,100 A	0,9	8

Each unit includes::

- An SG luminaire
- Flag diffuser SG-DB
- A set of four pictograms (2 left-right/1 down / 1 white)
- SG-AT mounting accessory for the wall


Electrified rail

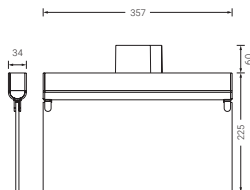


Standard

Maintained LED

IP
20

	FINISHING	COM.	AUTONOMY		PACKAGING
SG-KD	White	-	1 h	1,0	8
SG-KD-1	Anthracite	-	1 h	1,0	8
SG-KD-2	Aluminium	-	1 h	1,0	8



Each unit includes:

- An SG luminaire
- Flag diffuser SG-DB
- A set of four pictograms (2 left-right/1 down / 1 white)
- SG-AT mounting accessorie for the wall

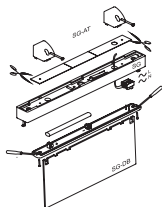
Signal 7

Accessories

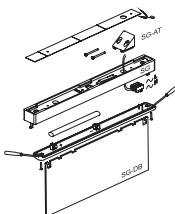
Assembly accessories

SG-AT Fixation to the wall

Parallel to the wall
SG + SG-DB + SG-AT



Perpendicular to the wall
SG + SG-DB + SG-AT

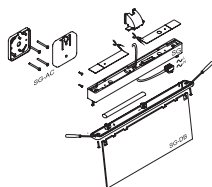


SG-AC Set of accessories for assembly in a recessed universal box. White

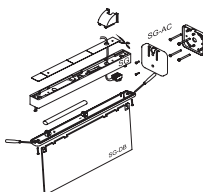
SG-AC-1 Set of accessories for assembly in a recessed universal box. Anthracite

SG-AC-2 Set of accessories for assembly in a recessed universal box. Aluminium

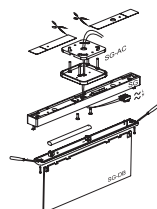
Parallel to the wall



Perpendicular to the wall



Fixation to the wall

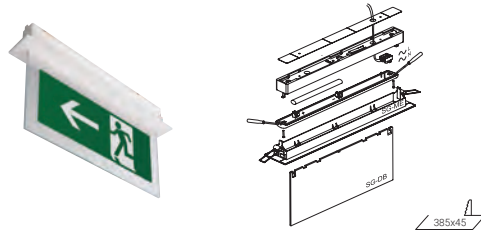


Signal 7

Accessories

Recession frames

SG-ME White recession frame. Also available in aluminium and anthracite colour.

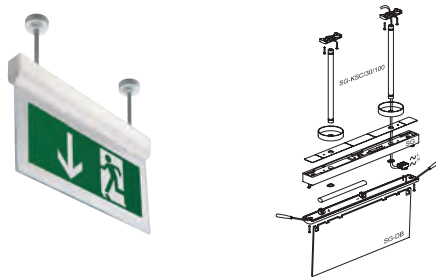


Ceiling mounting accessories

SGKS-C 100 mm. ceiling suspension. White colour. Also available in aluminium and anthracite colour.

SGKS-30 300 mm. ceiling suspension. White colour. Also available in aluminium and anthracite colour.

SGKS-100 1000 mm. ceiling suspension. White colour. Also available in aluminium and anthracite colour.



Pictograms

Type SG Non adhesive pictogram 300 x 120 mm. Check references on the table below.

Type SG 300 x 120 mm



Maximum viewing distance
(according to EN 1838 for
internally illuminated signs)

24 m

Please check for other pictograms



Step lighting

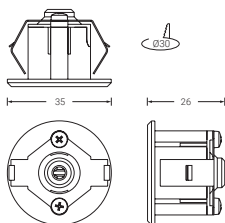
Passo	142
Sirio	143
Estela	144
Senda	148
MIB Step light	152
BR Step light	153



Recessed exit step light



Passo



Easy installation

It requires the C24 central battery systems to comply with the low voltage directives as step lighting (information on page 156)

No accessories needed for installation.

Centralized power supply
24 Vcc

IP
65

	LAMP	COLOUR LED	POWER SUPPLY	CONSUMPTION	PACKAGING
BP24	LED	White	24 Vcc	0,48 W	20
BP24A	LED	Blue	24 Vcc	0,48 W	20
BP24R	LED	Red	24 Vcc	0,48 W	20
BP24V	LED	Green	24 Vcc	0,48 W	20

FOR OTHER FINISHINGS, please contact us

Central

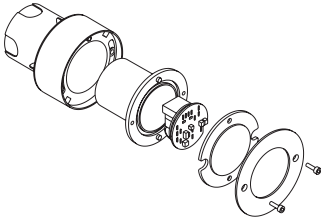
	C24-100M	C24-300M
Ref. BP24	200 fittings	600 fittings



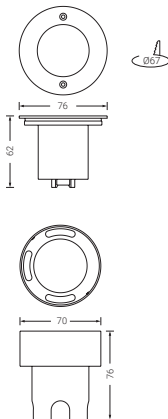
Central Battery System C24
on page 156



Recessed step light



Sirio



Technical features:

- Recessed mounted (recession frame included).
- Reference regulations EN 60598-1
- Power 230V, 50/60 Hz.
- Exterior ring made of ZAMAK with aluminium finishing.
- Housing and diffuser: Polycarbonate
- IP-65. IK-07
- Class II.
- Can be mounted on a flammable surface.
- Charging time 24 hours.
- Possibility of remote control.
- Different light colours.

24V CBS
version available



Central Battery System C24
on page 156

IP
65

	LAMP	COLOUR LED	AUTONOMY	BATTERY	COS (φ)	CONSUMPTION	PACKAGING
BS	LED	White	2 h	3,6 V · 50 mAh	0,07	0,35 W	20
BSA	LED	Blue	2 h	3,6 V · 50 mAh	0,07	0,35 W	20
BSR	LED	Red	2 h	3,6 V · 50 mAh	0,07	0,35 W	20
BSV	LED	Green	2 h	3,6 V · 50 mAh	0,07	0,35 W	20

Available 24V DC, ref. + Y

 Maintained

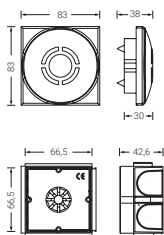
 Central Battery System



Step light for universal box



Estela recessed mounted



REF: ET

REF: ER

REF: EC

Finishings:

Gray: RAL7047

Anthracite: RAL7015

Aluminium: RAL7004

Technical features:

- Universal box installation.
- Reference regulations EN 60598-1
- Power 230V, 50/60 Hz.
- Versions for 127V 50/60Hz and 24V DC.
- Housing and diffuser: Polycarbonate
- Class II. IP-44. IK-07
- Can be mounted on a flammable surface.
- Charging time 24 hours.
- Possibility of remote control.
- Different light colours.

Accessories

Remote controls

S-TE Remote control for up to 300 standard fittings

	FINISHING	LAMP	LED COLOUR	AUTONOMY	BATTERY	COS (g)	CONSUMPTION	PACKAGING
EC-E	Gray	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
EC-E-1	Anthracite	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
EC-E-2	Aluminium	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ER-E	Gray	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ER-E-1	Anthracite	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ER-E-2	Aluminium	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ET-E	Gray	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ET-E-1	Anthracite	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ET-E-2	Aluminium	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ECA-E	Gray	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ECA-E-1	Anthracite	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ECA-E-2	Aluminium	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ERA-E	Gray	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ERA-E-1	Anthracite	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ERA-E-2	Aluminium	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ETA-E	Gray	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ETA-E-1	Anthracite	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ETA-E-2	Aluminium	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ECR-E	Gray	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ECR-E-1	Anthracite	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ECR-E-2	Aluminium	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ERR-E	Gray	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ERR-E-1	Anthracite	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ERR-E-2	Aluminium	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ETR-E	Gray	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ETR-E-1	Anthracite	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ETR-E-2	Aluminium	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ECV-E	Gray	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ECV-E-1	Anthracite	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ECV-E-2	Aluminium	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ERV-E	Gray	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ERV-E-1	Anthracite	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ERV-E-2	Aluminium	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ETV-E	Gray	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ETV-E-1	Anthracite	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ETV-E-2	Aluminium	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20

Available 24V DC, ref. + Y

Central Battery
SystemCentral Battery System C24
on page 156

 Maintained

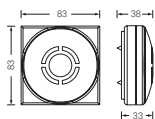
 Central Battery System



Surface mounted step light



Estela surface mounted



REF.: **ET**

REF.: **ER**

REF.: **EC**

Finishings:

Gray: RAL7047

Anthracite: RAL7015

Aluminium: RAL7004

Technical features:

- Surface mounted.
- Reference regulations EN 60598-1
- Power 230V, 50/60 Hz.
- Versions for 127V 50/60Hz and 24V DC.
- Housing and diffuser: Polycarbonate
- Class II. IP-44. IK-07
- Can be mounted on a flammable surface.
- Charging time 24 hours.
- Possibility of remote control.
- Different light colours.

Accessories

Remote controls

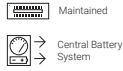
S-TE

Remote control for up to 300 standard fittings

	FINISHING	LAMP	LED COLOUR	AUTONOMY	BATTERY	COS (g)	CONSUMPTION	PACKAGING
EC-S	Gray	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
EC-S-1	Anthracite	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
EC-S-2	Aluminium	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ER-S	Gray	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ER-S-1	Anthracite	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ER-S-2	Aluminium	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ET-S	Gray	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ET-S-1	Anthracite	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ET-S-2	Aluminium	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ECA-S	Gray	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ECA-S-1	Anthracite	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ECA-S-2	Aluminium	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ERA-S	Gray	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ERA-S-1	Anthracite	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ERA-S-2	Aluminium	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ETA-S	Gray	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ETA-S-1	Anthracite	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ETA-S-2	Aluminium	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ECR-S	Gray	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ECR-S-1	Anthracite	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ECR-S-2	Aluminium	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ERR-S	Gray	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ERR-S-1	Anthracite	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ERR-S-2	Aluminium	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ETR-S	Gray	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ETR-S-1	Anthracite	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ETR-S-2	Aluminium	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ECV-S	Gray	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ECV-S-1	Anthracite	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ECV-S-2	Aluminium	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ERV-S	Gray	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ERV-S-1	Anthracite	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ERV-S-2	Aluminium	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ETV-S	Gray	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ETV-S-1	Anthracite	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
ETV-S-2	Aluminium	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20

Available 24V DC, ref. + Y

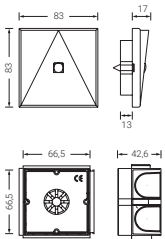
Central Battery System C24
on page 156



Step light for universal box



Senda recessed mounted



REF. NT REF. NR REF. NC

Finishings:
Gray: RAL7047
Anthracite: RAL7015
Aluminium: RAL7004

Technical features:

- Universal box installation.
- Reference norms EN 60598-1
- Power 230V, 50/60 Hz.
- Versions for 127V 50/60Hz and 24V DC.
- Housing and diffuser: Polycarbonate
- Class II. IP-44. IK-07
- Can be mounted on a flammable surface.
- Charging time 24 hours.
- Possibility of remote control.
- Different light colours.

Accessories

Remote controls

S-TE Remote control for up to 300 standard fittings

	FINISHING	LAMP	LED COLOUR	AUTONOMY	BATTERY	COS (g)	CONSUMPTION	PACKAGING
NC-E	Gray	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NC-E-1	Anthracite	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NC-E-2	Aluminium	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NR-E	Gray	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NR-E-1	Anthracite	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NR-E-2	Aluminium	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NT-E	Gray	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NT-E-1	Anthracite	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NT-E-2	Aluminium	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NCA-E	Gray	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NCA-E-1	Anthracite	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NCA-E-2	Aluminium	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NRA-E	Gray	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NRA-E-1	Anthracite	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NRA-E-2	Aluminium	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NTA-E	Gray	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NTA-E-1	Anthracite	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NTA-E-2	Aluminium	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NCR-E	Gray	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NCR-E-1	Anthracite	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NCR-E-2	Aluminium	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NRR-E	Gray	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NRR-E-1	Anthracite	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NRR-E-2	Aluminium	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NTR-E	Gray	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NTR-E-1	Anthracite	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NTR-E-2	Aluminium	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NCV-E	Gray	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NCV-E-1	Anthracite	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NCV-E-2	Aluminium	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NRV-E	Gray	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NRV-E-1	Anthracite	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NRV-E-2	Aluminium	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NTV-E	Gray	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NTV-E-1	Anthracite	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NTV-E-2	Aluminium	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20

Available 24V DC, ref. + Y

Central Battery System C24
on page 156

 Maintained

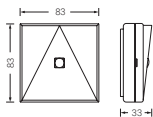
 Central Battery System



Surface mounted step light



Senda surface mounted



REF. NT

REF. NR

REF. NC

Finishings:

Gray: RAL7047

Anthracite: RAL7015

Aluminium: RAL7004

Technical features:

- Surface mounted.
- Reference regulations EN 60598-1
- Power 230V, 50/60 Hz.
- Versions for 127V 50/60Hz and 24V DC.
- Housing and diffuser: Polycarbonate.
- Class II. IP-44. IK-07
- Can be mounted on a flammable surface.
- Charging time 24 hours.
- Possibility of remote control.
- Different light colours.

Accessories

Remote controls

S-TE

Remote control for up to 300 standard fittings

	FINISHING	LAMP	LED COLOUR	AUTONOMY	BATTERY	COS (g)	CONSUMPTION	PACKAGING
NC-S	Gray	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NC-S-1	Anthracite	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NC-S-2	Aluminium	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NR-S	Gray	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NR-S-1	Anthracite	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NR-S-2	Aluminium	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NT-S	Gray	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NT-S-1	Anthracite	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NT-S-2	Aluminium	LED	White	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NCA-S	Gray	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NCA-S-1	Anthracite	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NCA-S-2	Aluminium	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NRA-S	Gray	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NRA-S-1	Anthracite	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NRA-S-2	Aluminium	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NTA-S	Gray	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NTA-S-1	Anthracite	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NTA-S-2	Aluminium	LED	Blue	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NCR-S	Gray	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NCR-S-1	Anthracite	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NCR-S-2	Aluminium	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NRR-S	Gray	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NRR-S-1	Anthracite	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NRR-S-2	Aluminium	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NTR-S	Gray	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NTR-S-1	Anthracite	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NTR-S-2	Aluminium	LED	Red	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NCV-S	Gray	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NCV-S-1	Anthracite	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NCV-S-2	Aluminium	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NRV-S	Gray	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NRV-S-1	Anthracite	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NRV-S-2	Aluminium	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NTV-S	Gray	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NTV-S-1	Anthracite	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20
NTV-S-2	Aluminium	LED	Green	1 h	3,6 V · 80 mAh	0,07	0,35 W	20

Available 24V DC, ref. + Y

Central Battery System C24
on page 156

 Maintained

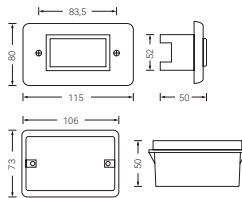
 Central Battery System



Step light



MIB Step light



Technical features:

- White LED.
- Assembly: includes recession box.
- Reference norms EN 60598-1
- Signalling with a LED.
- Power 230V, 50/60 Hz.
- Housing and diffuser: Polycarbonate
- Charging time 24 hours.
- Possibility of remote control.

 Central Battery System

Central Battery System C24
on page 156

IP
42

	LAMP	COLOUR	IP	AUTONOMY	BATTERY	PACKAGING
MIB	LED	Glass	42	1 h	3,6 V · 60 mAh	20

LEDs available in different colors.
Available **24v DC**, ref. + Y



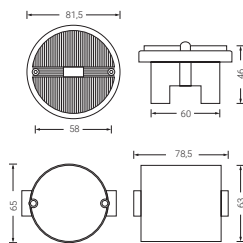
Step light

BR Step light

BR/BRE

Technical features:

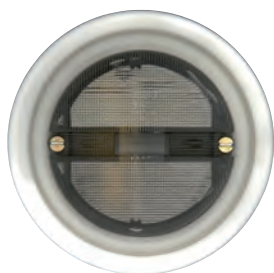
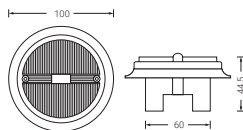
- White LED.
- Assembly: includes recession box.
- Reference norms EN 60598-1
- Signalling with a LED.
- Power 230V, 50/60 Hz.
- Housing and diffuser: Polycarbonate
- Charging time 24 hours.
- Possibility of remote control.
- IP 55 in Ref. BRE.



BRU/BREU

Technical features:

- White LED.
- Universal box installation (two screws).
- Reference norms EN 60598-1
- Signalling with a LED.
- Power 230V, 50/60 Hz.
- Housing and diffuser: Polycarbonate
- Charging time 24 hours.
- Possibility of remote control.
- IP 55 in Ref. BREU.
- White frame.



Central Battery System C24
on page 156

	LAMP	COLOUR	IP	AUTONOMY	BATTERY	PACKAGING
BR	LED	Gray	42	1 h	3,6 V · 60 mAh	20
BRU	LED	Gray	42	1 h	3,6 V · 60 mAh	20
BRE	LED	Gray	55	1 h	3,6 V · 60 mAh	20
BREU	LED	Gray	55	1 h	3,6 V · 60 mAh	20

LEDs available in different colors.
Available **24V DC**, ref: + Y



Central Battery System	156
Emergency kits	160
Emergency lights for lifts	164
Light paths	165

Central Battery System

The family of C24 Central Battery Systems enables remote supply of 24 Vdc emergency luminaries.



Autotest System

(functional test + autonomy test)

Compatible with MODBUS

C24

Manufactured in accordance with standard EN 50171



C24-100M



C24-300M



Covers one fire sector



C24I-300 | Addressable System



Covers one fire sector



Compatible with Normalink

As an innovation, Normalux launches a second generation of Central Battery Systems named C24I Addressable. These new centrals are able to control each fitting connected to them individually, and manage several options (turning on and off, dimming, test execution, etc), as well as monitoring the status of each luminaire.

While the basic version offers two references depending on the output power (C24-100 at 100 W and C24-300 at 300 W), in this new version there is just one reference of 300 W (C24I-300).

C24I addressable has 8 outputs, against C24 standard models that have only 4. Intelligent control that helps to identify

any possible problems and enables the control of:

- The Central unit itself and each of the 4 outputs of the standard version.
- The central unit itself, the outputs and each luminaire individually in the C24I addressable versions.

All the fittings can be remotely controlled from a PC or a master Central (MODBUS).

C24I-300 fitting is compatible with Normalink. No external elements are needed.

Ranges compatible with 24 Vdc

Via Led recessed
Via Led surface
Via Led wall
Dunna
Hermetic
Extraplana
Volutta
Excellence
Europrisma
ExtraLine
Signal
Estela
Senda
Sirio
Passo
MIB, BR, BRU
Light paths

Central Battery System



Models

C24-100M

C24-300M

Batteries	2 x 12 V · 7 Ah			2 x 12 V · 9 Ah			2 x 12 V · 12 Ah			2 x 12 V · 18 Ah			2 x 12 V · 24 Ah			
	1 h	3 h	8 h	1 h	3 h	8 h	1 h	3 h	8 h	1 h	3 h	8 h	1 h	3 h	8 h	
Total power output (W)	88 W	36 W	14 W	115 W	48 W	19 W	154 W	66 W	27 W	234 W	105 W	42 W	314 W	136 W	58 W	
Maximum current (A)	3,86	1,70	0,76	4,97	2,19	0,97	6,62	2,92	1,30	9,94	4,39	1,95	13,25	5,85	2,60	
Phase monitor input			✓									✓				
Output control			4									4				
Potential free contacts			✓									✓				
Function indicator			✓									✓				
Supply indicator for battery			✓									✓				
Failure			✓									✓				
Network supply indicator			✓									✓				
Battery supply indicator			✓									✓				
Failure alarm indicator			✓									✓				
Full discharge indicator			✓									✓				
Active output indicator			✓									✓				
Communication via bus				Modbus-RTU									Modbus-RTU			

Central Battery System

C24

Technical features:

- Voltage: 230 V AC +/- 10%.
- Wire cross section: 2.5 mm².
- Output voltage: 24 V DC +/- 20%.
- Output wire section: 2.5 mm².
- Ambient temperature: -5°C to 25°C.
- Class: I.
- IP: IP30.
- Outputs: 4 (C24-100M y C24-300M) / 8 (C24I-300).
- Maximum current: 3.5 A per output.
- Dimensions:
 - C24-100M: 340 x 330 x 90 mm.
 - C24-300M: 500 x 400 x 200 mm.
 - C24I-300: 587 x 460 x 187 mm.

REF.

- C24-100M**
- C24-300M**
- C24I-300**

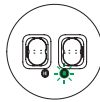


BATTERIES NOT INCLUDED

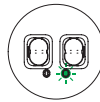
REF. DESCRIPTION

- ACUPL12V7** Rechargeable battery 12V · 7Ah
- ACUPL12V9** Rechargeable battery 12V · 9Ah
- ACUPL12V12** Rechargeable battery 12V · 12Ah
- ACUPL12V18** Rechargeable battery 12V · 18Ah
- ACUPL12V24** Rechargeable battery 12V · 24Ah

Status LED control



Status LED on: OK



Status LED blinking: FAILURE

Option to decide the status of the charging LED:

- ON: Line OK (C24) / fitting OK C-24Ad
- BLINKING: Line failure (C24) / Fitting failure (C24I).
- OFF.

WIRE SECTION	MAXIMUM INTENSITY	DISTANCE*
1.5 mm ²	1 A	147 m
	2 A	74 m
	3 A	49 m
2.5 mm ²	1 A	245 m
	2 A	123 m
	3 A	82 m

* Length for double wire and charge at end of line.

C24I-300

2 x 12 V · 7 Ah			2 x 12 V · 9 Ah			2 x 12 V · 12 Ah			2 x 12 V · 18 Ah			2 x 12 V · 24 Ah		
1 h	3 h	8 h	1 h	3 h	8 h	1 h	3 h	8 h	1 h	3 h	8 h	1 h	3 h	8 h
88 W	36 W	14 W	115 W	48 W	19 W	154 W	66 W	27 W	234 W	105 W	42 W	314 W	136 W	58 W
3,86	1,70	0,76	4,97	2,19	0,97	6,62	2,92	1,30	9,94	4,39	1,95	13,25	5,85	2,60



8



Modbus-RTU y Normalink

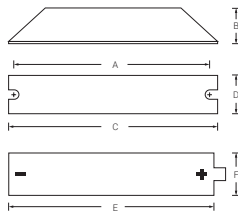
 Non-maintained



Kenlux

Technical features:

- Kit for conversion in emergency lighting.
- Reference Norm: EN 60924.
- Charge signaling with a LED.
- Power 230V, 50/60 Hz.
- Charging time 24 hours.
- Possibility of remote control.



	A	B	C	D	E	F
KEN 1-18	163	32	173	39	127	22
KEN 3-18	163	32	173	39	176	33
KEN 1-36	163	32	173	39	127	22
KEN 3-36	163	32	173	39	176	33
KEN 1-58	163	32	173	39	169	22
KEN 3-58	163	32	173	39	235	33
KEN S1UNIV	163	32	173	39	295	33
KEN 1-14 T5	163	32	173	39	353	33
KEN 1-21 T5	163	32	173	39	353	33
KEN 1-24 T5	163	32	173	39	353	33
KEN 1-28 T5	163	32	173	39	353	33
KEN 1-35 T5	163	32	173	39	353	33
KEN 1-39 T5	163	32	173	39	353	33
KEN 1-49 T5	163	32	173	39	353	33
KEN 1-54 T5	163	32	173	39	353	33
KEN1-UNI	41	239	44	295	33	33

Kenlux










Standard

	BATTERY	AUTONOMY	BALLAST LUMEN FACTOR	PACKAGING
KEN1-18	3,6 V · 1,5 Ah	18W: 1 h	18W: 17%	20
KEN3-18	3,6 V · 4,0 Ah	18W: 3 h	18W: 12%	20
KEN1-36	3,6 V · 1,5 Ah	36W: 1	18W: 17% - 36W: 8%	20
KEN3-36	3,6 V · 4,0 Ah	36W: 3 h	18W: 17% - 36W: 8%	20
KEN1-58	4,8 V · 1,5 Ah	58W: 1 h	58W: 8%	20
KEN3-58	4,8 V · 4,0 Ah	58W: 3 h	58W: 6,5%	20
KENS1-UNI	6,0 V · 4,0 Ah	18W: 2 h 36W: 1,5 h 58W: 1 h	18W: 39% 36W: 25% 58W: 18%	20
KEN1-14T5	7,2 V · 4,0 Ah	14W TL5 HE: 1 h	14W TL5 HE: 63%	20
KEN1-21T5	7,2 V · 4,0 Ah	21W TL5 HE: 1 h	21W TL5 HE: 51%	20
KEN1-24T5	7,2 V · 4,0 Ah	24W TL5 HO: 1 h	24W TL5 HO: 44%	20
KEN1-28T5	7,2 V · 4,0 Ah	28W TL5 HE: 1 h	28W TL5 HE: 42%	20
KEN1-35T5	7,2 V · 4,0 Ah	35W TL5 HE: 1	35W TL5 HE: 31%	20
KEN1-39T5	7,2 V · 4,0 Ah	39W TL5 HO: 1	39W TL5 HO: 26%	20
KEN1-49T5	7,2 V · 4,0 Ah	49W TL5 HO: 1	49W TL5 HO: 24%	20
KEN1-54T5	7,2 V · 4,0 Ah	54W TL5 HO: 1	54W TL5 HO: 21%	20

Autotest

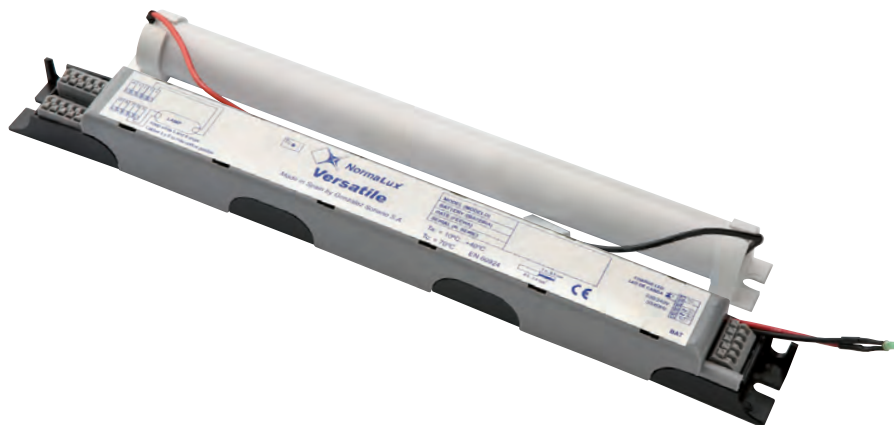
	BATTERY	AUTONOMY	BALLAST LUMEN FACTOR	PACKAGING
KEN1-UNI	6,0V 4,0Ah	18W: 2 h 36W: 1,5 h 58W: 1 h	18W: 39% 36W: 25% 58W: 18%	20

KENS1-UNI. Compatibility and duration

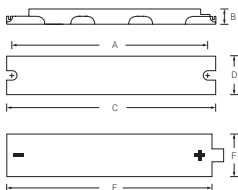
	LAMP	PLAMP (W/h)	THEORETICAL LUMEN OUTPUT	BLF	LUMEN OUTPUT (lm)
	TC-DEL 18W	18	1200	43%	510
	TC-DEL 26W	26	1800	34%	604
	TC-TEL 18W	18	1200	37%	445
	TC-TEL 32W	32	2400	24%	584
	TC-TEL 42W	42	3200	23%	733
	T8-18W	18	1350	39%	528
	T8-36W	36	3350	24%	806
	T8-58W	58	5200	18%	951
	T5-HE 14W	14	1350	41%	548
	T5-HE 21W	21	2100	39%	822
	T5-HO 24W	24	2000	32%	643
	T5-HO 39W	39	3500	26%	902
	TC-L 18W	18	1200	31%	367
	TC-L 24W	24	1800	34%	604
	TC-L 36W	36	2900	28%	810
	TC-L 55W	55	4800	19%	894
	TC-F 18W	18	1100	21%	230
	TC-F 24W	24	1700	19%	328
	TC-F 36W	36	2800	21%	596
	TC-DD 21W	21	1500	37%	550
	TC-DD 28W	28	2050	32%	665
	FC-22W	22	875	38%	332
	FC-32W	32	1550	34%	528
	FC-40W	40	2090	34%	709

*BLF: Percentage of luminic power emitted / nominal luminic power of the lamp.

 Non-maintained



Versatile



Technical features:

- 230V 50/60 Hz.
- Norms EN 55015, EN 61347-2-7, EN 61000-3-2.
- Low Power Directive EC 72/23/CE.
- Electromagnetic Compatibility Directive 2004/108/CE.
- Temperature: 10°C a 40°C.
- Batteries: two options available changing the position of an internal bridge:
 - Batteries Ni/Cd de 7.2V/1.5Ah 1 h Autonomy.
 - Batteries Ni/Cd de 7.2V/4 Ah 3 h Autonomy.
- Physical features:
 - Size: 316 mm x 32mm x 25 mm (height)
 - Housing: Polycarbonate plastic.
 - Cage clamps in the input and output for lamps and connection to electronic ballast.
- Others:
 - Green Led to show the correct charge of the batteries.
 - Compatible with all the electronic ballasts.
 - Compatible with Normalux' remote control S-TE.
- Lamps:
 - Can be used with all fluorescent lamps from 18W to 58W










	A	B	C	D	E	F
VKIT	316	25	32	304	255	23
VKIT3	316	25	32	304	360	33

Versatile

JP
20

	BATTERY	AUTONOMY	PACKAGING
VKIT	7,2 V · 1,5 Ah	1 h	20
VKIT3	7,2 V · 4,0 Ah	3 h	20

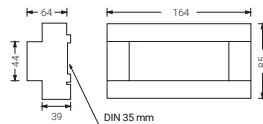
VERSATILE. Compatibility and duration

	LAMP	PLAMP (W/h)	THEORETICAL LUMEN OUTPUT	BLF	LUMEN OUTPUT (lm)
	TC-DEL 18W	18	1200	18%	220
	TC-DEL 26W	26	1800	16%	286
	TC-TEL 18W	18	1200	16%	191
	TC-TEL 32W	32	2400	9%	219
	TC-TEL 42W	42	3200	10%	320
	T8-18W	18	1350	14%	195
	T8-36W	36	3350	10%	342
	T8-58W	58	5200	7%	366
	T5-HE 14W	14	1350	20%	274
	T5-HE 21W	21	2100	14%	300
	T5-HE 28W	28	2900	14%	415
	T5-HO 24W	24	2000	14%	274
	T5-HO 39W	39	3500	11%	377
	T5-HO 54W	54	5000	8%	389
	T5-HE 35W	35	3650	12%	437
	TC-L 18W	18	1200	13%	152
	TC-L 24W	24	1800	15%	262
	TC-L 36W	36	2900	11%	320
	TC-L 55W	55	4800	10%	457
	TC-F 18W	18	1100	10%	110
	TC-F 24W	24	1700	11%	195
	TC-F 36W	36	2800	10%	276
	TC-DD 21W	21	1500	15%	218
	TC-DD 28W	28	2050	14%	284
	FC-22W	22	875	17%	147
	FC-32W	32	1150	18%	211
	FC-40W	40	2090	13%	282

*BLF: Percentage of luminic power emitted / nominal luminic power of the lamp.

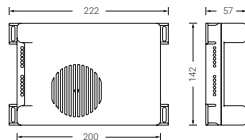
Accessories

Remote controls

S-TE Remote control for up to 300 standard fittings



Emergency lights for lifts



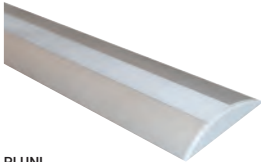
Emergency light for lifts, which includes an acoustic alarm, maintained output of 6v maximum 40mA and potential free relay: 10A, $\cos = 1 \Phi$



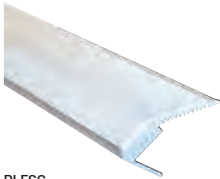
	LUM	BALLAST LUMEN FACTOR	LAMP	AUTONOMY	BATTERY	CONSUMPTION	ALARM	COS (φ)	PACKAGING
ASI	130 lm		2x6V 200m A E-10	1 h	6.0V 1.5Ah	3 W	90 dB - 1 m	0.9	0.8 1
ASFL-18		24	TL-D 18 W	1 h	6.0V 1.5Ah	3 W	90 dB - 1 m	0.9	1.1 1
ASFL-36		12	TL-D 36 W	1 h	6.0V 1.5Ah	3 W	90 dB - 1 m	0.9	0.8 1
ASD	30 lm		QT-6 10W	1 h	6.0V 4.5Ah	3 W	90 dB - 1 m	0.9	1.4 1



PLEMP



PLUNI



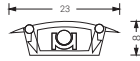
PLESC



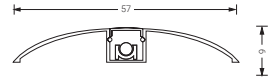
PLSUP

Connection specifications with C24 centrals:

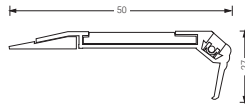
- Maximum power per output: 80 W
- Distance between derivations: maximum 20 m.
- Several derivations can be connected to the same output.



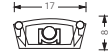
PLEMP



PLUNI



PLESC



PLSUP

Light paths

LED path light manufactured in aluminium with multiple uses: corridors, stairs, theatres or malls. Powered at 24v DC, are compatible with the C24-100 and C24-300 central battery systems (up to 400 meters with C24-100 model and up to 1200 meters with C24-300 model)

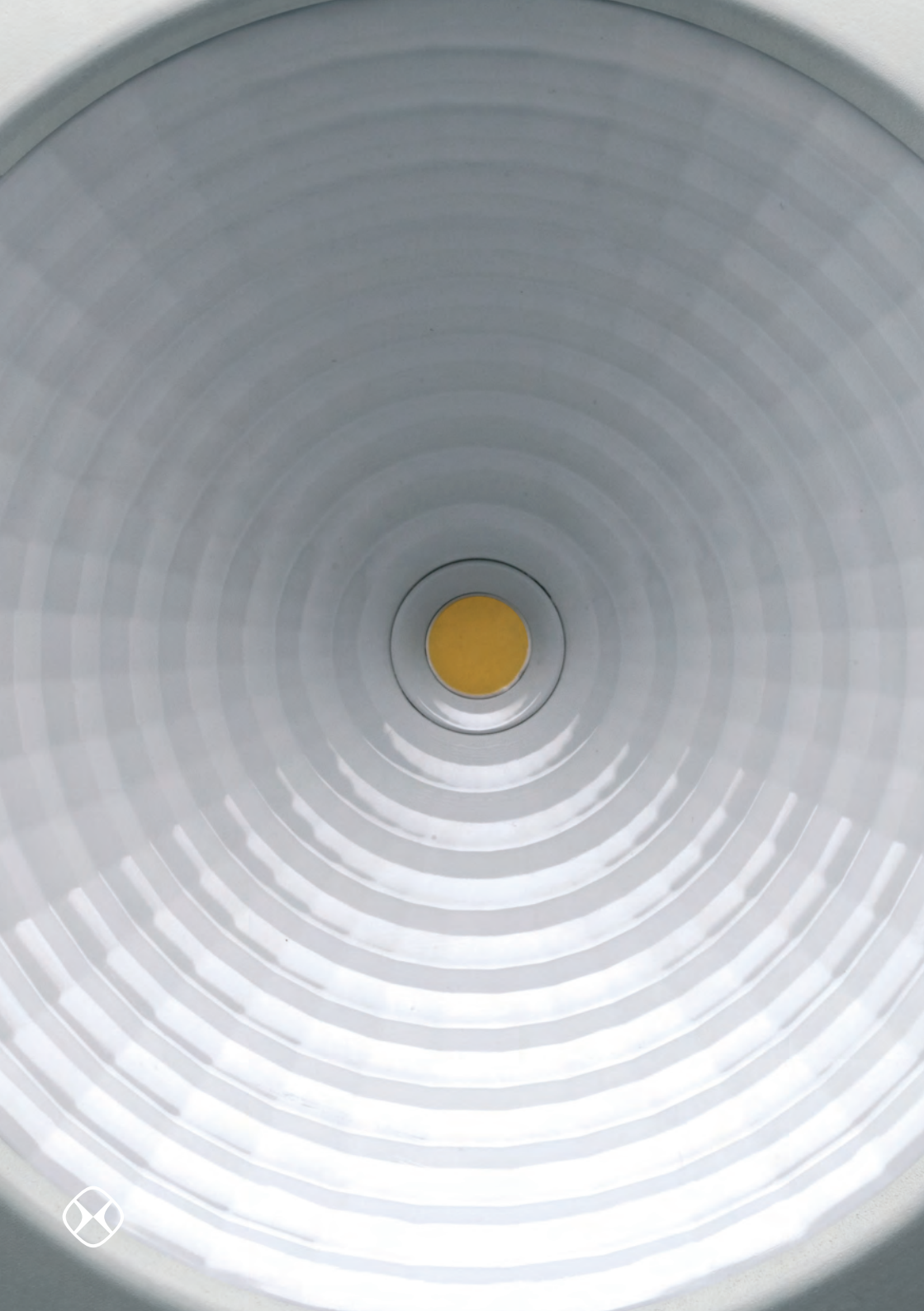
Four light paths available:



		W/m	m (C24-100M)	m (C24-300M)
PLEMP	Recessed	0,25	400	1200
PLUNI	Joint	0,25	400	1200
PLESC	Stair	0,25	400	1200
PLSUP	Surface	0,25	400	1200

and four terminal covers:

PLTEMP	Embedded mounted path light end cap
PLTUNI	Union path light end cap
PLTESC	Stair path light end cap
PLTSUP	Surface mounted path light end cap



NORMALIT

Technical and architectural lighting

normalit.com

Recessed
downlights



Elit 190



Elit HR 193



Elit Max 199



Elit Mini 202



Elit Micro 204



Nahika 208



Nahika Q 210



Nahika Mini 212



Nahika Micro 213



Nahika Micro Q 214



Hat 218



Hat HR 219



Hat Q 221



Hat Mini 222



Hat Mini Q 223



Hat Micro 224



IR 228



IQ 229



Tiny 231



Dorfin 234



Dorfin Q 237

Surface
downlights



Elit S 243



Hat S 245



Cyre 247



Pendulars 251



Pagoda 257

Fittings



Nassel Avant 264



Nassel 268



Nassel S 270



Luzerna Avant 273



Oqio 275



Eclipse 277

Industrial



Markt 283



Blok 288



Blok R 289



Hermetic Line 291



Hermetic XL 293

Structures



U-Line 298



Linnea 302



Linnea Mixto 304



Trazzo Avant 307



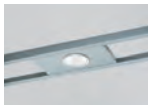
Trazzo 70 312



Trazzo Mixto 324



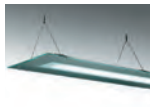
Cosmos 331



Contelux 335



Sycom 339



Essentia 343



Coral 345



Zafiro 347

Projectors



Aqa 351



Dot 355



Area 358



Prolit 364



Nora 367



Rail 369

Ambient



Mural 376



Cyre P 379



Til 380



Uro 381



Passo 382

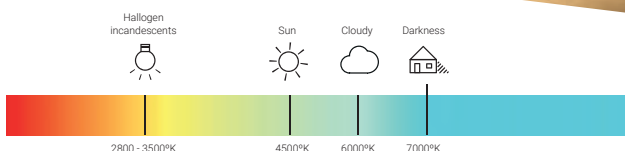
Guide for regulation control 384

Basic concepts



Colour temperature

The colour emitted by a light source in comparison with the light that a black body heated at a specific temperature would emit. For this reason, this color temperature is expressed in kelvin, in spite of not reflecting specifically a temperature. There are basically three groups:



Warm light

3500°K or lower temperature colour.

It is equivalent to the light produced by incandescent and hallogen lamps in the past. It is recommendable for retail stores, fruit shops, bakeries, groceries and butcheries (in these two latests it is even more common a light in a pink tone). For domestic lighting it is recommended to use this type of light in rooms such as the living room or the bedrooms, places for **rest and relax**.

Neutral light

Temperature ranges from 3800°K and 4500°K

According to the experts this is the most natural light. It can be installed in any environment not requiring any special tone that the other two categories could provide.

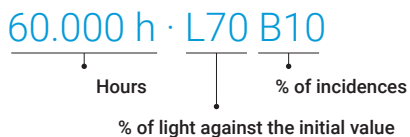
Cold light

Colour temperatures above 5000°K

It is equivalent to the light in a very sunny or cloudy day. One of the advantages of the cold light is the higher lumen output, which creates a perception of higher luminosity. This type of light is recommended for fish markets and jeweleries. For homes, it is very common to find it in kitchens and toilets. However the experts in make up always recommend cold lights as they offer an advantage, which is that they provide a better chromatic range.

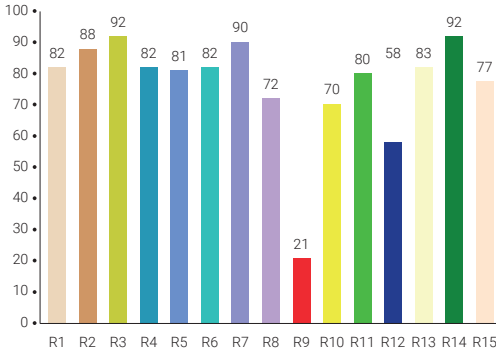
Expectancy del led

The expectation of useful life of the LED has been defined by an indicator such as the one shown at the right of this page. In the mentioned example, at 60,000h, 90% of the luminaires will have an output equal to or greater than 70% of the nominal value.



CRI Colour Rendering Index

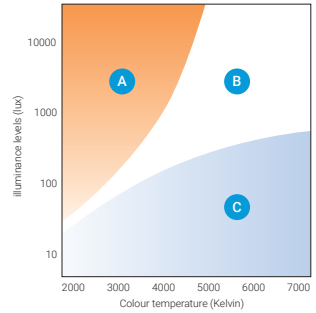
Capacity of a light source to reproduce accurately the colours that it lights.



Scale from 0 to 100.
15 values referred in a pattern.

Kruithof Curves

Relation illuminance levels [lux]
colour temperature [°K]



- A** Saturated reds area
- B** Comfort area
- C** Saturated blues area

B Zone

Ideal temperature according to illuminance.
Comfortable relationship.

Control of the light temperature

LEDs from the same batch can present variations in intensity and/or in colour.

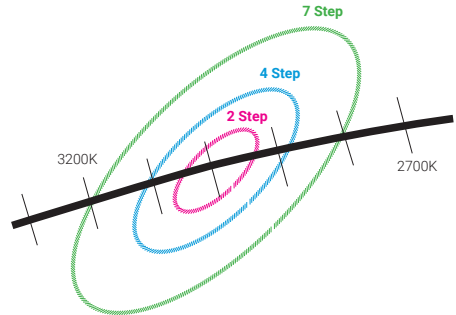
The chromatic homogeneity of the leds is measured through a series of ellipses (MacAdam ellipses).

The less the size of the ellipse is, the less the chromatic deviation.

The deviation is measured in SDCM (Standard Deviation of Colour Matching).

- **1 SDCM:** There are no colour differences.
- **2-4 SDCM:** There is hardly no visible difference.
- **5 SDCM or more:** The different is easily perceptible.

Normagrup works is 3-4 MacAdam Ellipses.



Light performance η

It indicates the real flux.
Defines the luminic efficiency of a luminaire.

ELIT (ref. EL23)



1930 lm

η 95%

REAL FLUX
1,833.5 lm

HAT (ref. EH23)



2300 lm

η 75%

REAL FLUX
1,725 lm



Lower lumen output, better efficiency



Photobiological security

The European Norm for photobiological security (EN 62471) establishes a number of criteria to determine if a luminaire entails any risk of eye or skin damages.

This regulation determines four photobiological risk groups:

GROUP OF RISK	
RG0	Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

* Time under 3 h.



UGR (Unified Glare Rating)

It is the rate that indicates the level of glaring that the human eye is undergoing. There are several factors that affect this rate:

- The technical and constructive features of the luminaire itself.
- The installation of the luminaire (height and position with regard to the observer).
- The reflections of the surrounding materials (floor, walls, ceiling...).

The International Commission of Lighting (known as CIE, Commission Internationale de l'éclairage) has determined the values of compulsory fulfillment depending on the area of activity through the regulation EN12464-1:2011.

The design process is critical when defining the UGR rate that will finally accomplish a luminaire. **Hiding the point of light, avoiding opal glasses or using micropismatic diffusers helps to reduce the glaring of the luminaire.**

Flickering

Also known as **periodical blinking or the light source of a luminaire** (stroboscopic effect), it is present in almost all the artificial light sources and is caused by the looping out of the output current in the LED driver.

This rate below makes it possible to measure the significance of the problem:

- A flickering under 15% prevents dizziness, nausea and headaches.
- Under 8% this flickering is not considered to be harmful (according to IEEESA-1789-2015).

Light uniformity

Sites must have a proper lighting that guarantees the minimum values regulated by the norm in any point; **variations of the lighting levels in a room cause negative effects on the users.**



SaLuz®

Technology inspired by the sun

SaLuz® is the technology from Normalit that creates healthy, comfortable and efficient environments



SaLuz® Video
and more information

SaLuz® luminaires are inspired by the sun to adapt to the biological cycles. **No network or external device connection is required.**



SaLuz® is a registered Trademark.

SaLuz® technology has been protected
by utility model number 201931533.

Why some lighting makes us feel good while others create stress?

Light does have an impact on our vital rhythms, as well as on our physiological processes, our mood, our capacity to focus, our emotions and of course, our health.

And, even though artificial lighting is quite useful, our biology is still programmed to adapt to natural lighting, to its cycles and its features.





SaLuz® technology is inspired by natural light.

Thanks to its features, luminaires with SaLuz® technology offer important advantages:

- They adapt to our vital natural rhythms.
- They adapt to the nature of the task being carried out where they are installed.
- They prevent damages to eyes and skin.
- They prevent headaches, nausea and dizziness.

How does the SaLuz® technology work?

SaLuz® is a technology that stresses some aspects of the light.



Adapts to the circadian rhythm

SaLuz® modifies the temperature colour of light through the day, to match our natural biological rhythms, improving the activation level, the mood and the sleep / awake cycle.



Flickering control (under 8%):

Flickering are small brightness fluctuations in the artificial lighting that can be perceived as blinks. Prolonged exposure to lights with high flickering can cause headaches, even migraines and nausea. SaLuz® guarantees a flickering level under 8%.





It adapts the glare index (UGR) to the type of activity.

Tasks more visually demanding call for specific luminaires, specially prepared to avoid glare without giving up a good luminic performance.



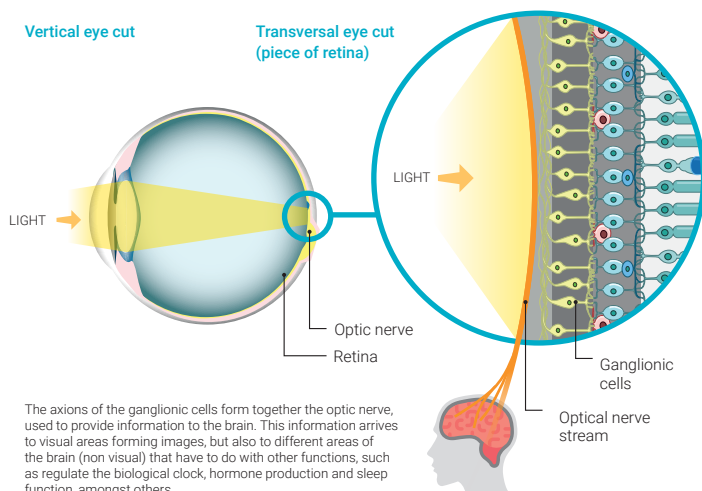
Controls the photobiological safety.

Luminaires equipped with SaLuz® technology are considered to be risk free for the eye and the skin, according to the European Norm about photobiological safety (EN 62471).

THE INFLUENCE OF LIGHT IN OUR BRAIN

Vertical eye cut

Transversal eye cut (piece of retina)



The axons of the ganglionic cells form together the optic nerve, used to provide information to the brain. This information arrives to visual areas forming images, but also to different areas of the brain (non visual) that have to do with other functions, such as regulate the biological clock, hormone production and sleep function, amongst others.

Light with a high predominance of blue stimulates the ganglionic cells in charge of producing the following hormones:

- Dopamine: involved in the muscular coordination, attention and pleasure.
- Serotonin: stimulant and motivator, increasing the levels of energy.
- Cortisol: (Stress hormone), stimulates the metabolism and prepares the body for the day.

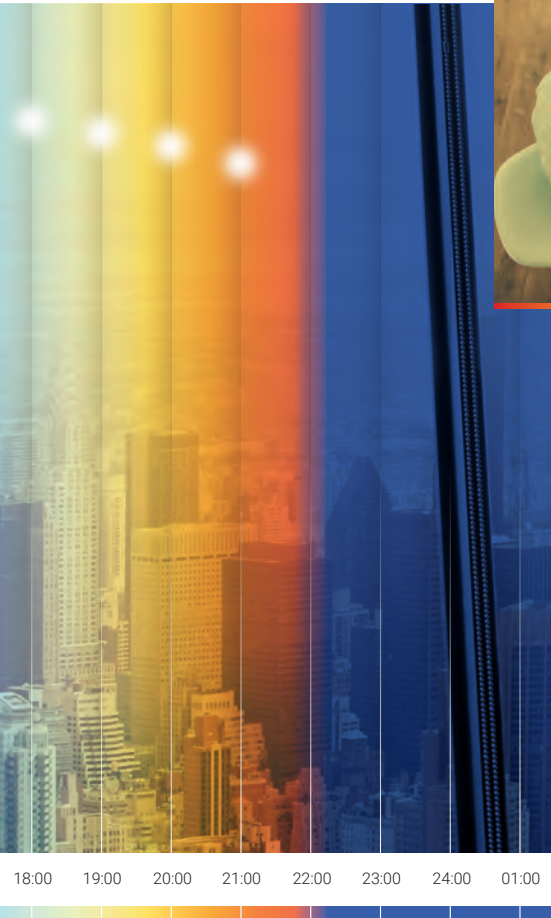
This type of light rich in blue content also suppresses the production of melatonin, the hormone that causes tiredness, slows down the activity of the body and reduces activity for a better rest.

Do you know what Circadian Rythm is and how does it affect your life?

People are naturally synchronized with the sun.



In the mornings, the intensity of the light and the proportion of blue light shades help us to be more active. In the evenings, the intensity and the proportion of the blue light shades decreases, which helps us to relax and get ready to rest.



2700°K



In indoors atmospheres where we usually spend most our our day (offices, schools, etc.), artificial light does not change its tone or its intensity and there is a desynchronization from our vital rythms.

Science has proven that this directly affects our performance, our mood and our sleep.

SaLuz® synchronizes with our natural rhythms and automatically modifies the colour temperature during the day.

.....

Reproduction of the Circadian Cycle from dusk until dawn. Depending on the season of the year, it will get light or dark before or after. In the moments of dusk and dawn the light source will emit a 2700 °K colour temperature. Out of this interval, the luminaires will have 4000 °K colour temperature. The transition from 2700 to 4000 in the evenings and from 4000 to 2700 in the mornings will be carried out progressively during one hour.

Areas of installation

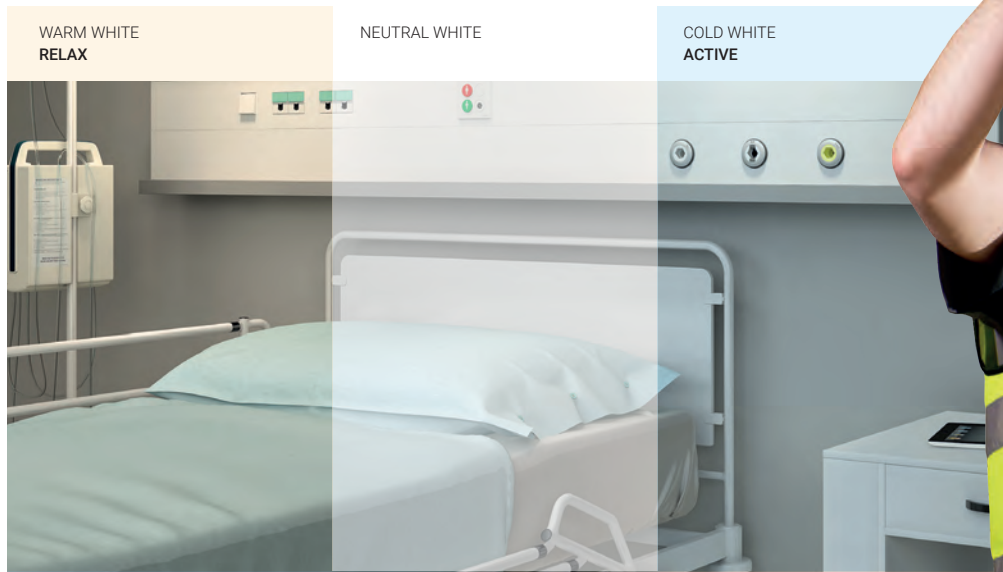
SaLuz® technology has been specially thought for indoor atmospheres where there is a constant artificial light all over the day.

Hospitals

There are patients with a limited movility that have little exposure to natural light and, hence, to the stimulus that help them synchronize their internal clocks.

SaLuz® technology stabilizes their circadian rythm. It relaxes or activates them as the sunlight would do, according to the time of the day, and also helps them to improve their sleep.

The professionals looking after them will also improve their performance and well-being.



Schools

There are many kids that are subject to a lighting which is not healthy. Even in places where photobiological risks, flickering and UGR have been considered, they are still exposed to an unsuitable and/or constant colour temperature that makes them loose biological rythm.

This affects their attention capacity, alters their coordination, their reaction capacity, etc.



Self-contained and universal luminaires



Ready to mains

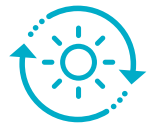
Luminaires including SaLuz® technology are the first ones in the market that can simulate circadian cycle without connection to any other fittings.

The luminaire includes a clock and a calendar with the date, the time and the season of the year. It is only necessary to connect it to mains.



Just installation
to mains

Without additional wiring
Without control elements
Without commissioning
Without configuration



Automatic
synchronization
with the sunlight

Luminaires with SaLuz®

Downlights

Hat HR saLuz®



Recessed
in the ceiling

Photobiological security **0**

Flickering **< 8%**

UGR **21**



More information **page 220**



Fittings

Nassel Avant saLuz®



Recessed
in the ceiling

Photobiological security **0**

Flickering **< 8%**

UGR **16**



More information **page 265**



Luminaires with SaLuz®

Structures

Trazzo Avant saLUZ®

IP
30



Ceiling surface
mounted



Ceiling suspended
mounted

Photobiological security 0

Flickering < 8%

UGR 16



More information **page 309**



More information >
sa-luz.com

Leds food

Enhances the quality of the food

LEDS FOOD help to preserve the food. Since they do not generate high working temperatures, they extend the optimal preservation status.



The **FISH LED** are ideal for fish illumination. Its cold temperature magnifies the quality of the product.



The **BREAD LED** highlight the yellow and orange tones; They are ideal for cheeses, breads of baking products.



The **MEAT LED** highlight the red and pink tones of meat. The result is a more inviting product.



FISH LED
4000K
2530 lm
CRI 85

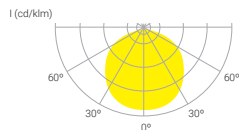


BREAD LED
3000K
2420 lm
CRI 85



MEAT LED
2000K
1885 lm
CRI 82

LEDS FOOD guarantees an homogeneous working curve as well as a high CRI.



Only available in the indicated families.





LEDS
FOOD



Recessed Downlights

Elit	190
Elit HR	193
Elit Max	199
Elit Mini	202
Elit Micro	204
Nahika	208
Nahika Q	210
Nahika Mini	212
Nahika Micro	213
Nahika Micro Q	214
Hat	218
Hat HR	219
Hat Q	221
Hat Mini	222
Hat Mini Q	223
Hat Micro	224
IR	228
IQ	229
Tiny	231
Dorfin	234
Dorfin Q	237

Elit



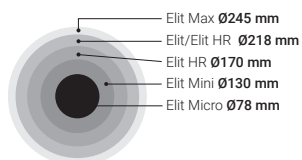
ELIT is the range of high added value recessed downlights by NormaLit. Their design, their features and their wide range make them the ideal downlight for any type of project.

ELIT is the perfect balance between design and technology. Its aluminium body is specifically designed to ensure the temperature of the LED is at an optimum and to achieve the best efficiency and durability. Its distinctive reflector made of technical polycarbonate creates a high quality, uniform light without any spots.

Five versions five diameters

 Diameters

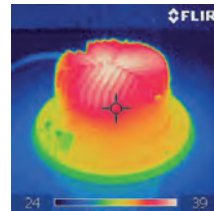
Circular cut



	Elit	Elit HR	Elit Max	Elit Mini	Elit Micro
Installation	Recessed in the ceiling	Recessed in the ceiling	Recessed in the ceiling	Recessed in the ceiling	Recessed in the ceiling
Diffuser	○ ○ ○ ○ ①	○ ○ ○ ①	○ ○ ○ ○ ①	○ ○ ○ ①	○ ○ ○
Light source	LED	LED	LED	LED	LED
Photobiological safety	1	1	1	1	1
UGR	19	19	19	19	19
CRI	>80	>80	>80	>80	>80
MacAdam ellipse	3	3	3	4	4
Beam angle range	92-99	92-97	95-99	90-96	88-94
Power range (W)	11,8-25,1	11,8-25,1	17,4-25,2	14	6,4
Colour temperature (°K)	3000 4000	3000 4000	3000 4000	3000 4000	3000 4000
Light range	1930-3780	1930-3780	2650-3780	1350-1490	760-885
Power factor	0,95	0,95	0,95	0,95	0,5
Efficiency (%)	95,4	95	95,4	97,6	92,9
Expectancy	60000 h L70B10	60000 h L70B10	60000 h L70B10	60000 h L70B10	60000 h L70B10
DALI Option	✓	✓	✓	✓	✓
Continuous function 24h	✓	✓	✓	✓	✓
IP	20-54	20-54	20-54	20-54	20-54
Class	II	II	II	II	II
Ideal cut out (mm)	218	218/170	245	130	78

○ Without diffuser ○ Opal diffuser ○ Transparent diffuser ① Washer diffuser

! Other CRI values please contact us



! Always demand the technical datasheets of all the lighting products.



Recessed
in the ceiling



IP **20-54** With opal diffuser/
transparent

CRI **>80** UGR **19**

Efficiency **92-99%**

Expectancy **60000 h.**
L70B10

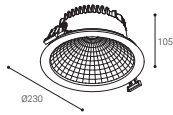
Efficiency (%) **95,4**

Photobiological security

RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

Go to page 172 to learn more

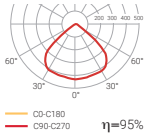


Minimum ceiling
installation
height
155

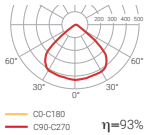
Diameter range
Ø214-225
Ideal recess
Ø218
Circular cut

- RAL9016
- RAL9006
- RAL9011

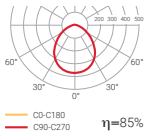
Without diffuser



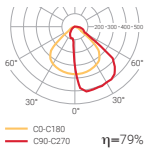
Transparent diffuser



Opal diffuser



Washer diffuser



	W	K	LUMEN	COLOUR	Ⓢ
LED EL23B	1x11,8W	3000	1930 lm	○	0,8
LED EL23G	1x11,8W	3000	1930 lm	●	0,8
LED EL23N	1x11,8W	3000	1930 lm	●	0,8
LED EL23OB	1x11,8W	3000	1930 lm	○	0,8
LED EL23OG	1x11,8W	3000	1930 lm	●	0,8
LED EL23ON	1x11,8W	3000	1930 lm	●	0,8
LED EL23TB	1x11,8W	3000	1930 lm	○	0,8
LED EL23TG	1x11,8W	3000	1930 lm	●	0,8
LED EL23TN	1x11,8W	3000	1930 lm	●	0,8
LED EL23WB	1x11,8W	3000	1930 lm	○	0,8
LED EL23WG	1x11,8W	3000	1930 lm	●	0,8
LED EL23WN	1x11,8W	3000	1930 lm	●	0,8
LED EL24B	1x11,8W	4000	2050 lm	○	0,8
LED EL24G	1x11,8W	4000	2050 lm	●	0,8
LED EL24N	1x11,8W	4000	2050 lm	●	0,8
LED EL24OB	1x11,8W	4000	2050 lm	○	0,8
LED EL24OG	1x11,8W	4000	2050 lm	●	0,8
LED EL24ON	1x11,8W	4000	2050 lm	●	0,8
LED EL24TB	1x11,8W	4000	2050 lm	○	0,8
LED EL24TG	1x11,8W	4000	2050 lm	●	0,8
LED EL24TN	1x11,8W	4000	2050 lm	●	0,8
LED EL24WB	1x11,8W	4000	2050 lm	○	0,8
LED EL24WG	1x11,8W	4000	2050 lm	●	0,8
LED EL24WN	1x11,8W	4000	2050 lm	●	0,8
LED EL33B	1x17,4W	3000	2650 lm	○	0,8
LED EL33G	1x17,4W	3000	2650 lm	●	0,8
LED EL33N	1x17,4W	3000	2650 lm	●	0,8
LED EL33OB	1x17,4W	3000	2650 lm	○	0,8
LED EL33OG	1x17,4W	3000	2650 lm	●	0,8
LED EL33ON	1x17,4W	3000	2650 lm	●	0,8
LED EL33TB	1x17,4W	3000	2650 lm	○	0,8
LED EL33TG	1x17,4W	3000	2650 lm	●	0,8
LED EL33TN	1x17,4W	3000	2650 lm	●	0,8
LED EL33WB	1x17,4W	3000	2650 lm	○	0,8
LED EL33WG	1x17,4W	3000	2650 lm	●	0,8
LED EL33WN	1x17,4W	3000	2650 lm	●	0,8



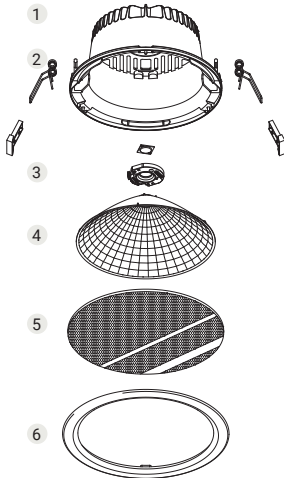
Transparent diffuser



Opal diffuser



Washer diffuser



- 1 Aluminium heat sink
- 2 Fixing clamps
- 3 LED COB
- 4 Concentric rings reflector
- 5 Diffuser
- 6 Customisable aluminium ring

	W	K	LUMEN	COLOUR	UGR
LED EL34B	1x17,4W	4000	2850 lm	○	0,8
LED EL34G	1x17,4W	4000	2850 lm	●	0,8
LED EL34N	1x17,4W	4000	2850 lm	●	0,8
LED EL34OB	1x17,4W	4000	2850 lm	○	0,8
LED EL34OG	1x17,4W	4000	2850 lm	●	0,8
LED EL34ON	1x17,4W	4000	2850 lm	●	0,8
LED EL34TB	1x17,4W	4000	2850 lm	○	0,8
LED EL34TG	1x17,4W	4000	2850 lm	●	0,8
LED EL34TN	1x17,4W	4000	2850 lm	●	0,8
LED EL34WB	1x17,4W	4000	2850 lm	○	0,8
LED EL34WG	1x17,4W	4000	2850 lm	●	0,8
LED EL34WN	1x17,4W	4000	2850 lm	●	0,8
LED EL43B	1x25,1W	3000	3580 lm	○	0,8
LED EL43G	1x25,1W	3000	3580 lm	●	0,8
LED EL43N	1x25,1W	3000	3580 lm	●	0,8
LED EL43OB	1x25,1W	3000	3580 lm	○	0,8
LED EL43OG	1x25,1W	3000	3580 lm	●	0,8
LED EL43ON	1x25,1W	3000	3580 lm	●	0,8
LED EL43TB	1x25,1W	3000	3580 lm	○	0,8
LED EL43TG	1x25,1W	3000	3580 lm	●	0,8
LED EL43TN	1x25,1W	3000	3580 lm	●	0,8
LED EL43WB	1x25,1W	3000	3580 lm	○	0,8
LED EL43WG	1x25,1W	3000	3580 lm	●	0,8
LED EL43WN	1x25,1W	3000	3580 lm	●	0,8
LED EL44B	1x25,1W	4000	3780 lm	○	0,8
LED EL44G	1x25,1W	4000	3780 lm	●	0,8
LED EL44N	1x25,1W	4000	3780 lm	●	0,8
LED EL44OB	1x25,1W	4000	3780 lm	○	0,8
LED EL44OG	1x25,1W	4000	3780 lm	●	0,8
LED EL44ON	1x25,1W	4000	3780 lm	●	0,8
LED EL44TB	1x25,1W	4000	3780 lm	○	0,8
LED EL44TG	1x25,1W	4000	3780 lm	●	0,8
LED EL44TN	1x25,1W	4000	3780 lm	●	0,8
LED EL44WB	1x25,1W	4000	3780 lm	○	0,8
LED EL44WG	1x25,1W	4000	3780 lm	●	0,8
LED EL44WN	1x25,1W	4000	3780 lm	●	0,8

Ref. O Opal diffuser: IP54. UGR22
 Ref. T Transparent diffuser: IP54. UGR19
 Ref. W Washer diffuser: IP20. UGR19
 Without diffuser: IP20. UGR19



NUMBER OF FITTINGS NEEDED FOR A STANDARD INSTALLATION

EL34

	200 lx	300 lx	500 lx
50 m ²	4	6	9
100 m ²	6	9	16
150 m ²	9	15	22
200 m ²	12	18	30

Height used for the calculation: 2,8 m



Compatible with **NormaLINK**

IP **20-54** With opal diffuser/
transparent

CRI **>80** UGR **19** **92-99°**

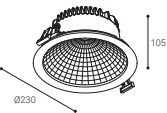
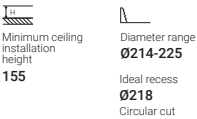
Expectancy **60000 h.** Efficiency (%) **95,4**
L70B10

Photobiological security

RG0	Risk free
RG1+	1 Low risk
RG2	Moderate risk
RG3	High risk

*Time under 1h

Go to page 172 to learn more



- RAL9016
- RAL9006
- RAL9011

Ref. O Opal diffuser, IP54, UGR22
Ref. T Transparent diffuser, IP54, UGR19
Without diffuser, IP20, UGR19

DALI 2 option please contact us

	W	K	LUMEN	COLOUR	
EL23DB	1x11,8W	3000	1930 lm	○	0,8
EL23DG	1x11,8W	3000	1930 lm	●	0,8
EL23DN	1x11,8W	3000	1930 lm	●	0,8
EL23DOB	1x11,8W	3000	1930 lm	○	0,8
EL23DOG	1x11,8W	3000	1930 lm	●	0,8
EL23DON	1x11,8W	3000	1930 lm	●	0,8
EL23DTB	1x11,8W	3000	1930 lm	○	0,8
EL23DTG	1x11,8W	3000	1930 lm	●	0,8
EL23DTN	1x11,8W	3000	1930 lm	●	0,8
EL24DB	1x11,8W	4000	2050 lm	○	0,8
EL24DG	1x11,8W	4000	2050 lm	●	0,8
EL24DN	1x11,8W	4000	2050 lm	●	0,8
EL24DOB	1x11,8W	4000	2050 lm	○	0,8
EL24DOG	1x11,8W	4000	2050 lm	●	0,8
EL24DON	1x11,8W	4000	2050 lm	●	0,8
EL24DTB	1x11,8W	4000	2050 lm	○	0,8
EL24DTG	1x11,8W	4000	2050 lm	●	0,8
EL24DTN	1x11,8W	4000	2050 lm	●	0,8
EL33DB	1x17,4W	3000	2650 lm	○	0,8
EL33DG	1x17,4W	3000	2650 lm	●	0,8
EL33DN	1x17,4W	3000	2650 lm	●	0,8
EL33DOB	1x17,4W	3000	2650 lm	○	0,8
EL33DOG	1x17,4W	3000	2650 lm	●	0,8
EL33DON	1x17,4W	3000	2650 lm	●	0,8
EL33DTB	1x17,4W	3000	2650 lm	○	0,8
EL33DTG	1x17,4W	3000	2650 lm	●	0,8
EL33DTN	1x17,4W	3000	2650 lm	●	0,8
EL34DB	1x17,4W	4000	2850 lm	○	0,8
EL34DG	1x17,4W	4000	2850 lm	●	0,8
EL34DN	1x17,4W	4000	2850 lm	●	0,8
EL34DOB	1x17,4W	4000	2850 lm	○	0,8
EL34DOG	1x17,4W	4000	2850 lm	●	0,8
EL34DON	1x17,4W	4000	2850 lm	●	0,8
EL34DTB	1x17,4W	4000	2850 lm	○	0,8
EL34DTG	1x17,4W	4000	2850 lm	●	0,8
EL34DTN	1x17,4W	4000	2850 lm	●	0,8
EL43DB	1x25,1W	3000	3580 lm	○	0,8
EL43DG	1x25,1W	3000	3580 lm	●	0,8
EL43DN	1x25,1W	3000	3580 lm	●	0,8
EL43DOB	1x25,1W	3000	3580 lm	○	0,8
EL43DOG	1x25,1W	3000	3580 lm	●	0,8
EL43DON	1x25,1W	3000	3580 lm	●	0,8
EL43DTB	1x25,1W	3000	3580 lm	○	0,8
EL43DTG	1x25,1W	3000	3580 lm	●	0,8
EL43DTN	1x25,1W	3000	3580 lm	●	0,8
EL44DB	1x25,1W	4000	3780 lm	○	0,8
EL44DG	1x25,1W	4000	3780 lm	●	0,8
EL44DN	1x25,1W	4000	3780 lm	●	0,8
EL44DOB	1x25,1W	4000	3780 lm	○	0,8
EL44DOG	1x25,1W	4000	3780 lm	●	0,8
EL44DON	1x25,1W	4000	3780 lm	●	0,8
EL44DTB	1x25,1W	4000	3780 lm	○	0,8
EL44DTG	1x25,1W	4000	3780 lm	●	0,8
EL44DTN	1x25,1W	4000	3780 lm	●	0,8

Elit HR



Recessed
in the ceiling



IP 20-54 With opal diffuser/
transparent

CRI >80

UGR 19

92-97°

Expectancy
60000 h.
L70B10

Efficiency (%)
95

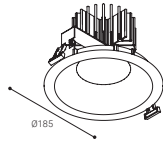
Photobiological security

RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

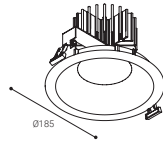
*Time under 3h.

Go to page 172 to learn more

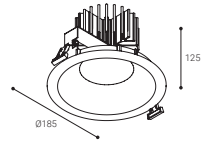
EDI2



EDI3



EDI4

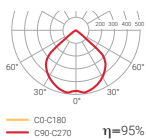


Diameter range
Ø165-180

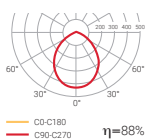
Ideal recess
Ø170
Circular cut

- RAL9016
- RAL9006
- RAL9011

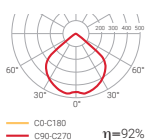
Without diffuser



Opal diffuser



Transparent diffuser



Ref. O Opal diffuser. IP54. UGR22
Ref. T Transparent diffuser. IP54. UGR19
Without diffuser. IP20. UGR19

	W	K	LUMEN	COLOUR	△
LED EDI23B	1x11,8W	3000	1930 lm	○	0,8
LED EDI23G	1x11,8W	3000	1930 lm	●	0,8
LED EDI23N	1x11,8W	3000	1930 lm	●	0,8
LED EDI23OB	1x11,8W	3000	1930 lm	○	0,8
LED EDI23OG	1x11,8W	3000	1930 lm	●	0,8
LED EDI23ON	1x11,8W	3000	1930 lm	●	0,8
LED EDI23TB	1x11,8W	3000	1930 lm	○	0,8
LED EDI23TG	1x11,8W	3000	1930 lm	●	0,8
LED EDI23TN	1x11,8W	3000	1930 lm	●	0,8
LED EDI24B	1x11,8W	4000	2050 lm	○	0,8
LED EDI24G	1x11,8W	4000	2050 lm	●	0,8
LED EDI24N	1x11,8W	4000	2050 lm	●	0,8
LED EDI24OB	1x11,8W	4000	2050 lm	○	0,8
LED EDI24OG	1x11,8W	4000	2050 lm	●	0,8
LED EDI24ON	1x11,8W	4000	2050 lm	●	0,8
LED EDI24TB	1x11,8W	4000	2050 lm	○	0,8
LED EDI24TG	1x11,8W	4000	2050 lm	●	0,8
LED EDI24TN	1x11,8W	4000	2050 lm	●	0,8
LED EDI33B	1x17,4W	3000	2650 lm	○	0,8
LED EDI33G	1x17,4W	3000	2650 lm	●	0,8
LED EDI33N	1x17,4W	3000	2650 lm	●	0,8
LED EDI33OB	1x17,4W	3000	2650 lm	○	0,8
LED EDI33OG	1x17,4W	3000	2650 lm	●	0,8
LED EDI33ON	1x17,4W	3000	2650 lm	●	0,8
LED EDI33TB	1x17,4W	3000	2650 lm	○	0,8
LED EDI33TG	1x17,4W	3000	2650 lm	●	0,8
LED EDI33TN	1x17,4W	3000	2650 lm	●	0,8
LED EDI34B	1x17,4W	4000	2850 lm	○	0,8
LED EDI34G	1x17,4W	4000	2850 lm	●	0,8
LED EDI34N	1x17,4W	4000	2850 lm	●	0,8

Elit HR

IP **20-54** With opal diffuser/
transparent

CRI **>80** UGR **19** **92-97°**

Expectancy **60000 h.** Efficiency (%) **95**
L70B10

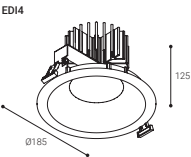
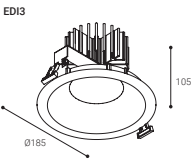
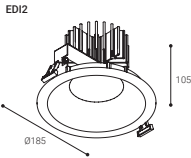
Photobiological security

RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h

Go to page 172 to learn more

Ideal recess
Diameter range **Ø165-180**
Ø170 Circular cut



- RAL9016
- RAL9006
- RAL9011

	W	K	LUMEN	COLOUR	
LED EDI340B	1x17,4W	4000	2850 lm	○	0,8
LED EDI340G	1x17,4W	4000	2850 lm	●	0,8
LED EDI340N	1x17,4W	4000	2850 lm	●	0,8
LED EDI34TB	1x17,4W	4000	2850 lm	○	0,8
LED EDI34TG	1x17,4W	4000	2850 lm	●	0,8
LED EDI34TN	1x17,4W	4000	2850 lm	●	0,8
LED EDI43B	1x25,1W	3000	3580 lm	○	0,8
LED EDI43G	1x25,1W	3000	3580 lm	●	0,8
LED EDI43N	1x25,1W	3000	3580 lm	●	0,8
LED EDI43OB	1x25,1W	3000	3580 lm	○	0,8
LED EDI43OG	1x25,1W	3000	3580 lm	●	0,8
LED EDI43ON	1x25,1W	3000	3580 lm	●	0,8
LED EDI43TB	1x25,1W	3000	3580 lm	○	0,8
LED EDI43TG	1x25,1W	3000	3580 lm	●	0,8
LED EDI43TN	1x25,1W	3000	3580 lm	●	0,8
LED EDI44B	1x25,1W	4000	3780 lm	○	0,8
LED EDI44G	1x25,1W	4000	3780 lm	●	0,8
LED EDI44N	1x25,1W	4000	3780 lm	●	0,8
LED EDI44OB	1x25,1W	4000	3780 lm	○	0,8
LED EDI44OG	1x25,1W	4000	3780 lm	●	0,8
LED EDI44ON	1x25,1W	4000	3780 lm	●	0,8
LED EDI44TB	1x25,1W	4000	3780 lm	○	0,8
LED EDI44TG	1x25,1W	4000	3780 lm	●	0,8
LED EDI44TN	1x25,1W	4000	3780 lm	●	0,8



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
LED EDI23DB	1x11,8W	3000	1930 lm	○	0,8
LED EDI23DG	1x11,8W	3000	1930 lm	●	0,8
LED EDI23DN	1x11,8W	3000	1930 lm	●	0,8
LED EDI23DOB	1x11,8W	3000	1930 lm	○	0,8
LED EDI23DOG	1x11,8W	3000	1930 lm	●	0,8
LED EDI23DON	1x11,8W	3000	1930 lm	●	0,8
LED EDI23DTB	1x11,8W	3000	1930 lm	○	0,8
LED EDI23DTG	1x11,8W	3000	1930 lm	●	0,8
LED EDI23DTN	1x11,8W	3000	1930 lm	●	0,8
LED EDI24DB	1x11,8W	4000	2050 lm	○	0,8
LED EDI24DG	1x11,8W	4000	2050 lm	●	0,8
LED EDI24DN	1x11,8W	4000	2050 lm	●	0,8
LED EDI24DOB	1x11,8W	4000	2050 lm	○	0,8
LED EDI24DOG	1x11,8W	4000	2050 lm	●	0,8
LED EDI24DON	1x11,8W	4000	2050 lm	●	0,8
LED EDI24DTB	1x11,8W	4000	2050 lm	○	0,8
LED EDI24DTG	1x11,8W	4000	2050 lm	●	0,8
LED EDI24DTN	1x11,8W	4000	2050 lm	●	0,8
LED EDI33DB	1x17,4W	3000	2650 lm	○	0,8
LED EDI33DG	1x17,4W	3000	2650 lm	●	0,8
LED EDI33DN	1x17,4W	3000	2650 lm	●	0,8
LED EDI33DOB	1x17,4W	3000	2650 lm	○	0,8
LED EDI33DOG	1x17,4W	3000	2650 lm	●	0,8
LED EDI33DON	1x17,4W	3000	2650 lm	●	0,8

Elit HR

Compatible with **NormaLINK** 

	W	K	LUMEN	COLOUR	
EDI33DTB	1x17,4W	3000	2650 lm	○	0,8
EDI33DTG	1x17,4W	3000	2650 lm	●	0,8
EDI33DTN	1x17,4W	3000	2650 lm	●	0,8
EDI34DB	1x17,4W	4000	2850 lm	○	0,8
EDI34DG	1x17,4W	4000	2850 lm	●	0,8
EDI34DN	1x17,4W	4000	2850 lm	●	0,8
EDI34DOB	1x17,4W	4000	2850 lm	○	0,8
EDI34DOG	1x17,4W	4000	2850 lm	●	0,8
EDI34DON	1x17,4W	4000	2850 lm	●	0,8
EDI34DTB	1x17,4W	4000	2850 lm	○	0,8
EDI34DTG	1x17,4W	4000	2850 lm	●	0,8
EDI34DTN	1x17,4W	4000	2850 lm	●	0,8
EDI43DB	1x25,1W	3000	3580 lm	○	0,8
EDI43DG	1x25,1W	3000	3580 lm	●	0,8
EDI43DN	1x25,1W	3000	3580 lm	●	0,8
EDI43DOB	1x25,1W	3000	3580 lm	○	0,8
EDI43DOG	1x25,1W	3000	3580 lm	●	0,8
EDI43DON	1x25,1W	3000	3580 lm	●	0,8
EDI43DTB	1x25,1W	3000	3580 lm	○	0,8
EDI43DTG	1x25,1W	3000	3580 lm	●	0,8
EDI43DTN	1x25,1W	3000	3580 lm	●	0,8
EDI44DB	1x25,1W	4000	3780 lm	○	0,8
EDI44DG	1x25,1W	4000	3780 lm	●	0,8
EDI44DN	1x25,1W	4000	3780 lm	●	0,8
EDI44DOB	1x25,1W	4000	3780 lm	○	0,8
EDI44DOG	1x25,1W	4000	3780 lm	●	0,8
EDI44DON	1x25,1W	4000	3780 lm	●	0,8
EDI44DTB	1x25,1W	4000	3780 lm	○	0,8
EDI44DTG	1x25,1W	4000	3780 lm	●	0,8
EDI44DTN	1x25,1W	4000	3780 lm	●	0,8

Ref. O Opal diffuser, IP54, UGR22
 Ref. T Transparent diffuser, IP54, UGR19
 Without diffuser, IP20, UGR19



DALI 2 option please contact us

Elit HR



IP
20-54 With opal diffuser/
transparent

CRI
>80 UGR
19 **92-97°**

Expectancy
60000 h. Efficiency (%)
L70B10 **95**



Minimum ceiling
installation
height
155

Diameter range
Ø214-225

Ideal recess
Ø218
 Circular cut

- RAL9016
- RAL9006
- RAL9011

Photobiological security

RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.











Go to page 172 to learn more

	W	K	LUMEN	COLOUR	
ELI23B	1x11,8W	3000	1930 lm		0,8
ELI23G	1x11,8W	3000	1930 lm		0,8
ELI23N	1x11,8W	3000	1930 lm		0,8
ELI23OB	1x11,8W	3000	1930 lm		0,8
ELI23OG	1x11,8W	3000	1930 lm		0,8
ELI23ON	1x11,8W	3000	1930 lm		0,8
ELI23TB	1x11,8W	3000	1930 lm		0,8
ELI23TG	1x11,8W	3000	1930 lm		0,8
ELI23TN	1x11,8W	3000	1930 lm		0,8
ELI24B	1x11,8W	4000	2050 lm		0,8
ELI24G	1x11,8W	4000	2050 lm		0,8
ELI24N	1x11,8W	4000	2050 lm		0,8
ELI24OB	1x11,8W	4000	2050 lm		0,8
ELI24OG	1x11,8W	4000	2050 lm		0,8
ELI24ON	1x11,8W	4000	2050 lm		0,8
ELI24TB	1x11,8W	4000	2050 lm		0,8
ELI24TG	1x11,8W	4000	2050 lm		0,8
ELI24TN	1x11,8W	4000	2050 lm		0,8
ELI33B	1x17,4W	3000	2650 lm		0,8
ELI33G	1x17,4W	3000	2650 lm		0,8
ELI33N	1x17,4W	3000	2650 lm		0,8
ELI33OB	1x17,4W	3000	2650 lm		0,8
ELI33OG	1x17,4W	3000	2650 lm		0,8
ELI33ON	1x17,4W	3000	2650 lm		0,8
ELI33TB	1x17,4W	3000	2650 lm		0,8
ELI33TG	1x17,4W	3000	2650 lm		0,8
ELI33TN	1x17,4W	3000	2650 lm		0,8
ELI34B	1x17,4W	4000	2850 lm		0,8
ELI34G	1x17,4W	4000	2850 lm		0,8
ELI34N	1x17,4W	4000	2850 lm		0,8
ELI34OB	1x17,4W	4000	2850 lm		0,8
ELI34OG	1x17,4W	4000	2850 lm		0,8
ELI34ON	1x17,4W	4000	2850 lm		0,8
ELI34TB	1x17,4W	4000	2850 lm		0,8
ELI34TG	1x17,4W	4000	2850 lm		0,8
ELI34TN	1x17,4W	4000	2850 lm		0,8
ELI43B	1x25,1W	3000	3580 lm		0,8
ELI43G	1x25,1W	3000	3580 lm		0,8
ELI43N	1x25,1W	3000	3580 lm		0,8
ELI43OB	1x25,1W	3000	3580 lm		0,8
ELI43OG	1x25,1W	3000	3580 lm		0,8
ELI43ON	1x25,1W	3000	3580 lm		0,8
ELI43TB	1x25,1W	3000	3580 lm		0,8
ELI43TG	1x25,1W	3000	3580 lm		0,8
ELI43TN	1x25,1W	3000	3580 lm		0,8






































Ref. O Opal diffuser. IP54. UGR22
Ref. T Transparent diffuser. IP54. UGR19
Without diffuser. IP20. UGR19

Elit HR



	W	K	LUMEN	COLOUR	
 ELI44B	1x25,1W	4000	3780 lm	○	0,8
 ELI44G	1x25,1W	4000	3780 lm	●	0,8
 ELI44N	1x25,1W	4000	3780 lm	●	0,8
 ELI44OB	1x25,1W	4000	3780 lm	○	0,8
 ELI44OG	1x25,1W	4000	3780 lm	●	0,8
 ELI44ON	1x25,1W	4000	3780 lm	●	0,8
 ELI44TB	1x25,1W	4000	3780 lm	○	0,8
 ELI44TG	1x25,1W	4000	3780 lm	●	0,8
 ELI44TN	1x25,1W	4000	3780 lm	●	0,8

Compatible with **NormaLINK** 

	W	K	LUMEN	COLOUR	
 ELI23DB	1x11,8W	3000	1930 lm	○	0,8
 ELI23DG	1x11,8W	3000	1930 lm	●	0,8
 ELI23DN	1x11,8W	3000	1930 lm	●	0,8
 ELI23DOB	1x11,8W	3000	1930 lm	○	0,8
 ELI23DOG	1x11,8W	3000	1930 lm	●	0,8
 ELI23DON	1x11,8W	3000	1930 lm	●	0,8
 ELI23DTB	1x11,8W	3000	1930 lm	○	0,8
 ELI23DTG	1x11,8W	3000	1930 lm	●	0,8
 ELI23DTN	1x11,8W	3000	1930 lm	●	0,8
 ELI24DB	1x11,8W	4000	2050 lm	○	0,8
 ELI24DG	1x11,8W	4000	2050 lm	●	0,8
 ELI24DN	1x11,8W	4000	2050 lm	●	0,8
 ELI24DOB	1x11,8W	4000	2050 lm	○	0,8
 ELI24DOG	1x11,8W	4000	2050 lm	●	0,8
 ELI24DON	1x11,8W	4000	2050 lm	●	0,8
 ELI24DTB	1x11,8W	4000	2050 lm	○	0,8
 ELI24DTG	1x11,8W	4000	2050 lm	●	0,8
 ELI24DTN	1x11,8W	4000	2050 lm	●	0,8
 ELI33DB	1x17,4W	3000	2650 lm	○	0,8
 ELI33DG	1x17,4W	3000	2650 lm	●	0,8
 ELI33DN	1x17,4W	3000	2650 lm	●	0,8
 ELI33DOB	1x17,4W	3000	2650 lm	○	0,8
 ELI33DOG	1x17,4W	3000	2650 lm	●	0,8
 ELI33DON	1x17,4W	3000	2650 lm	●	0,8
 ELI33DTB	1x17,4W	3000	2650 lm	○	0,8
 ELI33DTG	1x17,4W	3000	2650 lm	●	0,8
 ELI33DTN	1x17,4W	3000	2650 lm	●	0,8
 ELI34DB	1x17,4W	4000	2850 lm	○	0,8
 ELI34DG	1x17,4W	4000	2850 lm	●	0,8
 ELI34DN	1x17,4W	4000	2850 lm	●	0,8
 ELI34DOB	1x17,4W	4000	2850 lm	○	0,8
 ELI34DOG	1x17,4W	4000	2850 lm	●	0,8
 ELI34DON	1x17,4W	4000	2850 lm	●	0,8
 ELI34DTB	1x17,4W	4000	2850 lm	○	0,8
 ELI34DTG	1x17,4W	4000	2850 lm	●	0,8
 ELI34DTN	1x17,4W	4000	2850 lm	●	0,8

Elit HR



Compatible with **NormaLINK**

IP **20-54** With opal diffuser/
transparent

CRI **>80** UGR **19** **92-97°**

Expectancy **60000 h.** Efficiency (%) **95**
L70B10

Photobiological security



*Time under 3h

Go to page 172 to learn more

Minimum ceiling
installation
height
155

Diameter range
Ø214-225
Ideal recess
Ø218
Circular cut



- RAL9016
- RAL9006
- RAL9011

	W	K	LUMEN	COLOUR	△
LED ELI43DB	1x25,1W	3000	3580 lm	○	0,8
LED ELI43DG	1x25,1W	3000	3580 lm	●	0,8
LED ELI43DN	1x25,1W	3000	3580 lm	●	0,8
LED ELI43DOB	1x25,1W	3000	3580 lm	○	0,8
LED ELI43DOG	1x25,1W	3000	3580 lm	●	0,8
LED ELI43DON	1x25,1W	3000	3580 lm	●	0,8
LED ELI43DTB	1x25,1W	3000	3580 lm	○	0,8
LED ELI43DTG	1x25,1W	3000	3580 lm	●	0,8
LED ELI43DTN	1x25,1W	3000	3580 lm	●	0,8
LED ELI44DB	1x25,1W	4000	3780 lm	○	0,8
LED ELI44DG	1x25,1W	4000	3780 lm	●	0,8
LED ELI44DN	1x25,1W	4000	3780 lm	●	0,8
LED ELI44DOB	1x25,1W	4000	3780 lm	○	0,8
LED ELI44DOG	1x25,1W	4000	3780 lm	●	0,8
LED ELI44DON	1x25,1W	4000	3780 lm	●	0,8
LED ELI44DTB	1x25,1W	4000	3780 lm	○	0,8
LED ELI44DTG	1x25,1W	4000	3780 lm	●	0,8
LED ELI44DTN	1x25,1W	4000	3780 lm	●	0,8

Ref. O Opal diffuser. IP54. UGR22
Ref. T Transparent diffuser. IP54. UGR19
Without diffuser. IP20. UGR19

! DALI 2 option please contact us

Elit Max



IP **20-54** With opal diffuser/
transparent

CRI **>80** UGR **19** **95-99°**

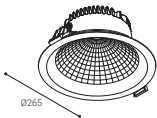
Expectancy **60000 h.** Efficiency (%) **95,4**
L70B10

Photobiological security

RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3 h.

Go to page 172 to learn more

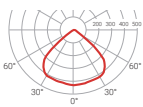


Minimum ceiling installation height **115**

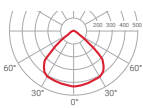
Diameter range **Ø238-260**
Ideal recess **Ø245**
Circular cut

- RAL9016
- RAL9006
- RAL9011

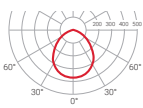
Without diffuser



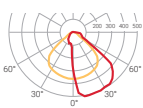
Transparent diffuser



Opal diffuser



Washer diffuser



Ref. O Opal diffuser. IP54. UGR22
Ref. T Transparent diffuser. IP54. UGR19
Ref. W Washer diffuser. IP20. UGR19
Without diffuser. IP20. UGR19

	W	K	LUMEN	COLOUR	⓪
LED EE33B	1x17,4W	3000	2650 lm	○	0,9
LED EE33G	1x17,4W	3000	2650 lm	●	0,9
LED EE33N	1x17,4W	3000	2650 lm	●	0,9
LED EE330B	1x17,4W	3000	2650 lm	○	0,9
LED EE330G	1x17,4W	3000	2650 lm	●	0,9
LED EE330N	1x17,4W	3000	2650 lm	●	0,9
LED EE33TB	1x17,4W	3000	2650 lm	○	0,9
LED EE33TG	1x17,4W	3000	2650 lm	●	0,9
LED EE33TN	1x17,4W	3000	2650 lm	●	0,9
LED EE33WB	1x17,4W	3000	2650 lm	○	0,9
LED EE33WG	1x17,4W	3000	2650 lm	●	0,9
LED EE33WN	1x17,4W	3000	2650 lm	●	0,9
LED EE34B	1x17,4W	4000	2850 lm	○	0,9
LED EE34G	1x17,4W	4000	2850 lm	●	0,9
LED EE34N	1x17,4W	4000	2850 lm	●	0,9
LED EE340B	1x17,4W	4000	2850 lm	○	0,9
LED EE340G	1x17,4W	4000	2850 lm	●	0,9
LED EE340N	1x17,4W	4000	2850 lm	●	0,9
LED EE34TB	1x17,4W	4000	2850 lm	○	0,9
LED EE34TG	1x17,4W	4000	2850 lm	●	0,9
LED EE34TN	1x17,4W	4000	2850 lm	●	0,9
LED EE34WB	1x17,4W	4000	2850 lm	○	0,9
LED EE34WG	1x17,4W	4000	2850 lm	●	0,9
LED EE34WN	1x17,4W	4000	2850 lm	●	0,9
LED EE43B	1x25,1W	3000	3580 lm	○	0,9
LED EE43G	1x25,1W	3000	3580 lm	●	0,9
LED EE43N	1x25,1W	3000	3580 lm	●	0,9
LED EE430B	1x25,1W	3000	3580 lm	○	0,9
LED EE430G	1x25,1W	3000	3580 lm	●	0,9
LED EE430N	1x25,1W	3000	3580 lm	●	0,9
LED EE43TB	1x25,1W	3000	3580 lm	○	0,9
LED EE43TG	1x25,1W	3000	3580 lm	●	0,9
LED EE43TN	1x25,1W	3000	3580 lm	●	0,9
LED EE43WB	1x25,1W	3000	3580 lm	○	0,9
LED EE43WG	1x25,1W	3000	3580 lm	●	0,9
LED EE43WN	1x25,1W	3000	3580 lm	●	0,9

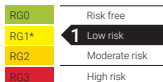
Elit Max

IP **20-54** With opal diffuser/
transparent

CRI **>80** UGR **19** **95-99%**

Expectancy **60000 h.** Efficiency (%) **95,4**
L70B10

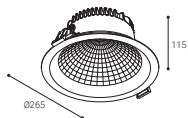
Photobiological security



*Time under 3 h.

Go to page 172 to learn more

Minimum ceiling installation height **165**
 Diameter range **Ø238-260**
 Ideal recess **Ø245**
 Circular cut



- RAL9016
- RAL9006
- RAL9011

	W	K	LUMEN	COLOUR	
EE44B	1x25,1W	4000	3780 lm	○	0,9
EE44G	1x25,1W	4000	3780 lm	●	0,9
EE44N	1x25,1W	4000	3780 lm	●	0,9
EE44OB	1x25,1W	4000	3780 lm	○	0,9
EE44OG	1x25,1W	4000	3780 lm	●	0,9
EE44ON	1x25,1W	4000	3780 lm	●	0,9
EE44TB	1x25,1W	4000	3780 lm	○	0,9
EE44TG	1x25,1W	4000	3780 lm	●	0,9
EE44TN	1x25,1W	4000	3780 lm	●	0,9
EE44WB	1x25,1W	4000	3780 lm	○	0,9
EE44WG	1x25,1W	4000	3780 lm	●	0,9
EE44WN	1x25,1W	4000	3780 lm	●	0,9

Ref. O Opal diffuser, IP54, UGR22
Ref. T Transparent diffuser, IP54, UGR19
Ref. W Washer diffuser, IP20, UGR19
Without diffuser, IP20, UGR19



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
EE33DB	1x17,4W	3000	2650 lm	○	0,9
EE33DG	1x17,4W	3000	2650 lm	●	0,9
EE33DN	1x17,4W	3000	2650 lm	●	0,9
EE33DOB	1x17,4W	3000	2650 lm	○	0,9
EE33DOG	1x17,4W	3000	2650 lm	●	0,9
EE33DON	1x17,4W	3000	2650 lm	●	0,9
EE33DTB	1x17,4W	3000	2650 lm	○	0,9
EE33DTG	1x17,4W	3000	2650 lm	●	0,9
EE33DTN	1x17,4W	3000	2650 lm	●	0,9
EE34DB	1x17,4W	4000	2850 lm	○	0,9
EE34DG	1x17,4W	4000	2850 lm	●	0,9
EE34DN	1x17,4W	4000	2850 lm	●	0,9
EE34DOB	1x17,4W	4000	2850 lm	○	0,9
EE34DOG	1x17,4W	4000	2850 lm	●	0,9
EE34DON	1x17,4W	4000	2850 lm	●	0,9
EE34DTB	1x17,4W	4000	2850 lm	○	0,9
EE34DTG	1x17,4W	4000	2850 lm	●	0,9
EE34DTN	1x17,4W	4000	2850 lm	●	0,9
EE43DB	1x25,1W	3000	3580 lm	○	0,9
EE43DG	1x25,1W	3000	3580 lm	●	0,9
EE43DN	1x25,1W	3000	3580 lm	●	0,9
EE43DOB	1x25,1W	3000	3580 lm	○	0,9
EE43DOG	1x25,1W	3000	3580 lm	●	0,9
EE43DON	1x25,1W	3000	3580 lm	●	0,9
EE43DTB	1x25,1W	3000	3580 lm	○	0,9
EE43DTG	1x25,1W	3000	3580 lm	●	0,9
EE43DTN	1x25,1W	3000	3580 lm	●	0,9
EE44DB	1x25,1W	4000	3780 lm	○	0,9
EE44DG	1x25,1W	4000	3780 lm	●	0,9
EE44DN	1x25,1W	4000	3780 lm	●	0,9

Elit Max



Compatible with **NormaLINK**



Transparent diffuser



Opal diffuser



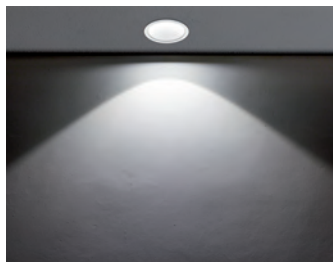
Washer diffuser

	W	K	LUMEN	COLOUR	
EE44DOB	1x25,1W	4000	3780 lm	○	0,9
EE44DOG	1x25,1W	4000	3780 lm	●	0,9
EE44DON	1x25,1W	4000	3780 lm	●	0,9
EE44DTB	1x25,1W	4000	3780 lm	○	0,9
EE44DTG	1x25,1W	4000	3780 lm	●	0,9
EE44DTN	1x25,1W	4000	3780 lm	●	0,9

Ref. O Opal diffuser: IP54. UGR22
 Ref. T Transparent diffuser: IP54. UGR19
 Without diffuser: IP20. UGR19



DALI 2 option please contact us



Transparent diffuser



Washer diffuser

Elit Mini



Recessed
in the ceiling



IP **20-54** With opal diffuser/
transparent

CRI **>80**

UGR **19**

90-96°

Expectancy
60000 h.
L70B10

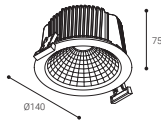
Efficiency (%)
97,6

Photobiological security

RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

Go to page 172 to learn more

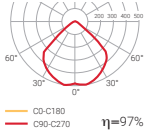


Minimum ceiling
installation
height
127

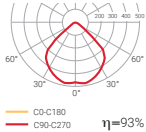
Diameter range
Ø128-135
Ideal recess
Ø130
Circular cut

- RAL9016
- RAL9006
- RAL9011

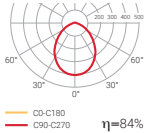
Without diffuser



Transparent diffuser



Opal diffuser



	W	K	LUMEN	COLOUR	
EM13B	1x14W	3000	1350 lm	○	0,6
EM13G	1x14W	3000	1350 lm	○	0,6
EM13N	1x14W	3000	1350 lm	●	0,6
EM13OB	1x14W	3000	1350 lm	○	0,6
EM13OG	1x14W	3000	1350 lm	○	0,6
EM13ON	1x14W	3000	1350 lm	●	0,6
EM13TB	1x14W	3000	1350 lm	○	0,6
EM13TG	1x14W	3000	1350 lm	○	0,6
EM13TN	1x14W	3000	1350 lm	●	0,6
EM14B	1x14W	4000	1490 lm	○	0,6
EM14G	1x14W	4000	1490 lm	○	0,6
EM14N	1x14W	4000	1490 lm	●	0,6
EM14OB	1x14W	4000	1490 lm	○	0,6
EM14OG	1x14W	4000	1490 lm	○	0,6
EM14ON	1x14W	4000	1490 lm	●	0,6
EM14TB	1x14W	4000	1490 lm	○	0,6
EM14TG	1x14W	4000	1490 lm	○	0,6
EM14TN	1x14W	4000	1490 lm	●	0,6

Ref. O Opal diffuser, IP54, UGR22
Ref. T Transparent diffuser, IP54, UGR19
Without diffuser, IP20, UGR19

Elit Mini



Compatible with **NormaLINK**



Transparent diffuser

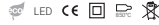


Opal diffuser

	W	K	LUMEN	COLOUR	
EM13DB	1x14W	3000	1350 lm	○	0,6
EM13DG	1x14W	3000	1350 lm	●	0,6
EM13DN	1x14W	3000	1350 lm	●	0,6
EM13DOB	1x14W	3000	1350 lm	○	0,6
EM13DOG	1x14W	3000	1350 lm	●	0,6
EM13DON	1x14W	3000	1350 lm	●	0,6
EM13DTB	1x14W	3000	1350 lm	○	0,6
EM13DTG	1x14W	3000	1350 lm	●	0,6
EM13DTN	1x14W	3000	1350 lm	●	0,6
EM14DB	1x14W	4000	1490 lm	○	0,6
EM14DG	1x14W	4000	1490 lm	●	0,6
EM14DN	1x14W	4000	1490 lm	●	0,6
EM14DOB	1x14W	4000	1490 lm	○	0,6
EM14DOG	1x14W	4000	1490 lm	●	0,6
EM14DON	1x14W	4000	1490 lm	●	0,6
EM14DTB	1x14W	4000	1490 lm	○	0,6
EM14DTG	1x14W	4000	1490 lm	●	0,6
EM14DTN	1x14W	4000	1490 lm	●	0,6

Ref. O Opal diffuser, IP54, UGR22
 Ref. T Transparent diffuser, IP54, UGR19
 Without diffuser: IP20, UGR19

Elit Micro



IP **20-54** With opal diffuser/transparent

CRI **>80** UGR **19** **88-94°**

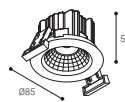
Expectancy **60000 h.** Efficiency (%) **92,9**
L70B10

Photobiological security

RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

Go to page 172 to learn more

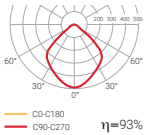


Minimum ceiling installation height **110**

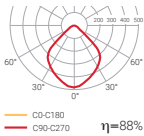
Diameter range **Ø74-80**
Ideal recess **Ø78**
Circular cut

- RAL9016
- RAL9006
- RAL9011

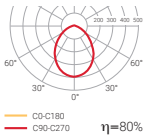
Without diffuser



Transparent diffuser



Opal diffuser



	W	K	LUMEN	COLOUR	Ⓢ
LED EP03B	1x6,4W	3000	760 lm	○	0,3
LED EP03G	1x6,4W	3000	760 lm	●	0,3
LED EP03N	1x6,4W	3000	760 lm	●	0,3
LED EP03OB	1x6,4W	3000	760 lm	○	0,3
LED EP03OG	1x6,4W	3000	760 lm	●	0,3
LED EP03ON	1x6,4W	3000	760 lm	●	0,3
LED EP03TB	1x6,4W	3000	760 lm	○	0,3
LED EP03TG	1x6,4W	3000	760 lm	●	0,3
LED EP03TN	1x6,4W	3000	760 lm	●	0,3
LED EP04B	1x6,4W	4000	885 lm	○	0,3
LED EP04G	1x6,4W	4000	885 lm	●	0,3
LED EP04N	1x6,4W	4000	885 lm	●	0,3
LED EP04OB	1x6,4W	4000	885 lm	○	0,3
LED EP04OG	1x6,4W	4000	885 lm	●	0,3
LED EP04ON	1x6,4W	4000	885 lm	●	0,3
LED EP04TB	1x6,4W	4000	885 lm	○	0,3
LED EP04TG	1x6,4W	4000	885 lm	●	0,3
LED EP04TN	1x6,4W	4000	885 lm	●	0,3

Elit Micro

Compatible with **NormaLINK** 

Transparent diffuser



Opal diffuser

	W	K	LUMEN	COLOUR	
EP03DB	1x6,4W	3000	760 lm	○	0,3
EP03DG	1x6,4W	3000	760 lm	●	0,3
EP03DN	1x6,4W	3000	760 lm	●	0,3
EP03DOB	1x6,4W	3000	760 lm	○	0,3
EP03DOG	1x6,4W	3000	760 lm	●	0,3
EP03DON	1x6,4W	3000	760 lm	●	0,3
EP03DTB	1x6,4W	3000	760 lm	○	0,3
EP03DTG	1x6,4W	3000	760 lm	●	0,3
EP03DTN	1x6,4W	3000	760 lm	●	0,3
EP04DB	1x6,4W	4000	885 lm	○	0,3
EP04DG	1x6,4W	4000	885 lm	●	0,3
EP04DN	1x6,4W	4000	885 lm	●	0,3
EP04DOB	1x6,4W	4000	885 lm	○	0,3
EP04DOG	1x6,4W	4000	885 lm	●	0,3
EP04DON	1x6,4W	4000	885 lm	●	0,3
EP04DTB	1x6,4W	4000	885 lm	○	0,3
EP04DTG	1x6,4W	4000	885 lm	●	0,3
EP04DTN	1x6,4W	4000	885 lm	●	0,3

Ref. O Opal diffuser. IP54. UGR22
 Ref. T Transparent diffuser. IP54. UGR19
 Without diffuser. IP20. UGR19



Nahika

NAHIKA is a range of downlights available in three sizes in rounded or square formats.

They incorporate a high-performance aluminium heat sink which optimises the efficiency of the set.

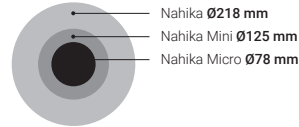
Installation frame manufactured in aluminium and decorative frame in technical plastic. A wall-washer version is also available.

Ceiling installation is achieved by means of a simple worm gear lock and aluminium anchor system.

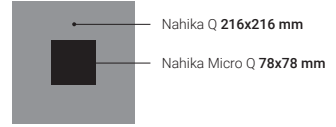
Five versions



Circular cut



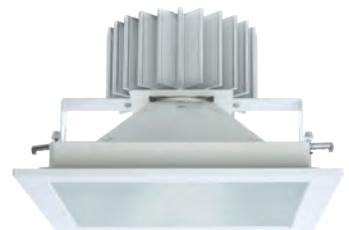
Square cut



	Nahika	Nahika Q	Nahika Mini	Nahika Micro	Nahika Micro Q
Installation	Recessed in the ceiling	Recessed in the ceiling	Recessed in the ceiling	Recessed in the ceiling	Recessed in the ceiling
Diffuser	○ ○ ○	○ ○ ○	○ ○ ○	○ ○ ○	○ ○ ○
Light source	LED	LED	LED	LED	LED
Photobiological safety	1	1	1	1	1
UGR	19	19	19	19	19
CRI	>80-85	>80-85	>80	>80	>80
MacAdam ellipse	3	3	4	4	4
Beam angle range	95-99	95	90-96	32-51	32-51
Power range (W)	17,4-39,4	17,4-39,4	14	14	14
Colour temperature (°K)	3000 4000	3000 4000	3000 4000	3000 4000	3000 4000
Light range	2370-6100	1885-6100	1350-1490	1350-1490	1350-1490
Power factor	0,95	0,95	0,95	0,95	0,95
Efficiency (%)	95,4	95	97,6	92,2	92,2
Expectancy	60000 h L70B10	60000 h L70B10	60000 h L70B10	60000 h L70B10	60000 h L70B10
DALI Option	✓	✓	✓	✓	✓
Continuous function 24h	✓	✓	✓	✓	✓
IP	20-54	20-54	20-54	20	20
Class	II	II	II	II	II
Ideal cut out (mm)	218	216x216	125	78	78x78

○ Without diffuser ○ Opal diffuser ○ Transparent diffuser

! Other CRI values please contact us



Nahika



Recessed
in the ceiling



IP **20-54** With opal diffuser/
transparent

CRI **>80-85**

UGR **19**

95-99°

Expectancy
60000 h.
L70B10

Efficiency (%)
95,4

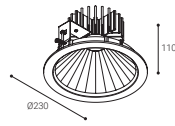
Photobiological security

RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

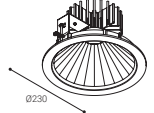
*Time under 3h.

Go to page 172 to learn more

WLR3
WLRFB/F/M



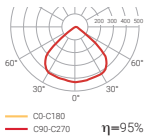
WLR4: L=130
WLR5: L=150
WLR6: L=190



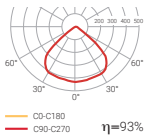
Ideal recess
Ø218
Circular cut

○ RAL9016

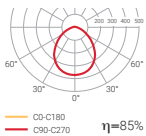
Without diffuser



Transparent diffuser



Opal diffuser



	W	K	LUMEN	COLOUR	
WLR33B	1x17,4W	3000	2650 lm	○	1,3
WLR33OB	1x17,4W	3000	2650 lm	○	1,5
WLR33TB	1x17,4W	3000	2650 lm	○	1,5
WLR34B	1x17,4W	4000	2850 lm	○	1,3
WLR34OB	1x17,4W	4000	2850 lm	○	1,5
WLR34TB	1x17,4W	4000	2850 lm	○	1,5
WLR43B	1x25,1W	3000	3580 lm	○	1,5
WLR43OB	1x25,1W	3000	3580 lm	○	1,6
WLR43TB	1x25,1W	3000	3580 lm	○	1,6
WLR44B	1x25,1W	4000	3780 lm	○	1,5
WLR44OB	1x25,1W	4000	3780 lm	○	1,6
WLR44TB	1x25,1W	4000	3780 lm	○	1,6
WLR53B	1x39,4W	3000	4750 lm	○	1,5
WLR53OB	1x39,4W	3000	4750 lm	○	1,6
WLR53TB	1x39,4W	3000	4750 lm	○	1,6
WLR54B	1x39,4W	4000	4980 lm	○	1,5
WLR54OB	1x39,4W	4000	4980 lm	○	1,6
WLR54TB	1x39,4W	4000	4980 lm	○	1,6
WLR63B	1x35,2W	3000	5800 lm	○	1,5
WLR63OB	1x35,2W	3000	5800 lm	○	1,6
WLR63TB	1x35,2W	3000	5800 lm	○	1,6
WLR64B	1x35,2W	4000	6100 lm	○	1,5
WLR64OB	1x35,2W	4000	6100 lm	○	1,6
WLR64TB	1x35,2W	4000	6100 lm	○	1,6

Ref. O Opal diffuser. IP54. UGR22
Ref. T Transparent diffuser. IP54. UGR19
Without diffuser. IP20. UGR19

Nahika

Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
WLR33DB	1x17,4W	3000	2650 lm	○	1,3
WLR33DOB	1x17,4W	3000	2650 lm	○	1,5
WLR33DTB	1x17,4W	3000	2650 lm	○	1,5
WLR34DB	1x17,4W	4000	2850 lm	○	1,3
WLR34DOB	1x17,4W	4000	2850 lm	○	1,5
WLR34DTB	1x17,4W	4000	2850 lm	○	1,5
WLR43DB	1x25,1W	3000	3580 lm	○	1,5
WLR43DOB	1x25,1W	3000	3580 lm	○	1,6
WLR43DTB	1x25,1W	3000	3580 lm	○	1,6
WLR44DB	1x25,1W	4000	3780 lm	○	1,5
WLR44DOB	1x25,1W	4000	3780 lm	○	1,6
WLR44DTB	1x25,1W	4000	3780 lm	○	1,6
WLR53DB	1x39,4W	3000	4750 lm	○	1,5
WLR53DOB	1x39,4W	3000	4750 lm	○	1,6
WLR53DTB	1x39,4W	3000	4750 lm	○	1,6
WLR54DB	1x39,4W	4000	4980 lm	○	1,5
WLR54DOB	1x39,4W	4000	4980 lm	○	1,6
WLR54DTB	1x39,4W	4000	4980 lm	○	1,6
WLR63DB	1x35,2W	3000	5800 lm	○	1,5
WLR63DOB	1x35,2W	3000	5800 lm	○	1,6
WLR63DTB	1x35,2W	3000	5800 lm	○	1,6
WLR64DB	1x35,2W	4000	6100 lm	○	1,5
WLR64DOB	1x35,2W	4000	6100 lm	○	1,6
WLR64DTB	1x35,2W	4000	6100 lm	○	1,6

Ref. O Opal diffuser. IP54. UGR22
 Ref. T Transparent diffuser. IP54. UGR19
 Without diffuser. IP20. UGR19



DALI 2 option please contact us

Led
Fish

WLRF
4000K
2625 lm
CRI 85

Led
Bread

WLRB
3000K
2540 lm
CRI 85

Led
Meat

WLRM
2000K
2370 lm
CRI 82

SPECIAL COLOUR TEMPERATURE FOR FOOD INDUSTRY

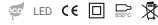
LEDS FOOD		W	K	LUMEN	COLOUR	
	WLRBB	1x29,9W	3000	2540 lm	○	1,5
	WLRFB	1x29,9W	4000	2625 lm	○	1,5
	WLRGB	1x29,9W	2000	2370 lm	○	1,5

Ref. O Opal diffuser. IP54. UGR22
 Ref. T Transparent diffuser. IP54. UGR19
 Without diffuser. IP20. UGR19

Nahika Q



Recessed
in the ceiling



IP **20-54** With opal diffuser/
transparent

CRI **>80-85**

UGR **19**

95°

Expectancy
60000 h.
L70B10

Efficiency (%)
95

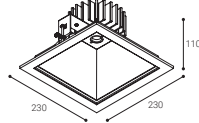
Photobiological security

RG0	Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

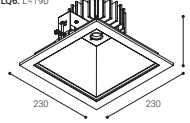
*Time under 3h.

Go to page 172 to learn more

WLQ3
WLQ8B/FB/MB



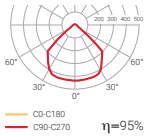
WLQ4: L=130
WLQ5: L=150
WLQ6: L=190



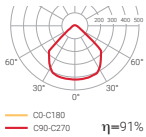
Ideal recess
216x216
Square cut

○ RAL9016

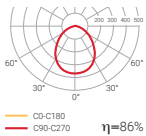
Without diffuser



Transparent diffuser



Opal diffuser



	W	K	LUMEN	COLOUR	⊙
LED WLQ33B	1x17,4W	3000	2650 lm	○	1,5
LED WLQ33OB	1x17,4W	3000	2650 lm	○	1,5
LED WLQ33TB	1x17,4W	3000	2650 lm	○	1,5
LED WLQ34B	1x17,4W	4000	2850 lm	○	1,5
LED WLQ34OB	1x17,4W	4000	2850 lm	○	1,5
LED WLQ34TB	1x17,4W	4000	2850 lm	○	1,5
LED WLQ43B	1x25,1W	3000	3580 lm	○	1,5
LED WLQ43OB	1x25,1W	3000	3580 lm	○	1,6
LED WLQ43TB	1x25,1W	3000	3580 lm	○	1,6
LED WLQ44B	1x25,1W	4000	3780 lm	○	1,5
LED WLQ44OB	1x25,1W	4000	3780 lm	○	1,6
LED WLQ44TB	1x25,1W	4000	3780 lm	○	1,6
LED WLQ53B	1x39,4W	3000	4750 lm	○	1,5
LED WLQ53OB	1x39,4W	3000	4750 lm	○	1,6
LED WLQ53TB	1x39,4W	3000	4750 lm	○	1,6
LED WLQ54B	1x39,4W	4000	4980 lm	○	1,5
LED WLQ54OB	1x39,4W	4000	4980 lm	○	1,6
LED WLQ54TB	1x39,4W	4000	4980 lm	○	1,6
LED WLQ63B	1x35,2W	3000	5800 lm	○	1,6
LED WLQ63OB	1x35,2W	3000	5800 lm	○	1,6
LED WLQ63TB	1x35,2W	3000	5800 lm	○	1,6
LED WLQ64B	1x35,2W	4000	6100 lm	○	1,6
LED WLQ64OB	1x35,2W	4000	6100 lm	○	1,6
LED WLQ64TB	1x35,2W	4000	6100 lm	○	1,6

Ref. O Opal diffuser. IP54. UGR22
Ref. T Transparent diffuser. IP54. UGR19
Without diffuser. IP20. UGR19

Nahika Q

Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
WLQ33DB	1x17,4W	3000	2650 lm	○	1,5
WLQ33DOB	1x17,4W	3000	2650 lm	○	1,5
WLQ33DTB	1x17,4W	3000	2650 lm	○	1,5
WLQ34DB	1x17,4W	4000	2850 lm	○	1,5
WLQ34DOB	1x17,4W	4000	2850 lm	○	1,5
WLQ34DTB	1x17,4W	4000	2850 lm	○	1,5
WLQ43DB	1x25,1W	3000	3580 lm	○	1,5
WLQ43DOB	1x25,1W	3000	3580 lm	○	1,6
WLQ43DTB	1x25,1W	3000	3580 lm	○	1,6
WLQ44DB	1x25,1W	4000	3780 lm	○	1,5
WLQ44DOB	1x25,1W	4000	3780 lm	○	1,6
WLQ44DTB	1x25,1W	4000	3780 lm	○	1,6
WLQ53DB	1x39,4W	3000	4750 lm	○	1,5
WLQ53DOB	1x39,4W	3000	4750 lm	○	1,6
WLQ53DTB	1x39,4W	3000	4750 lm	○	1,6
WLQ54DB	1x39,4W	4000	4980 lm	○	1,5
WLQ54DOB	1x39,4W	4000	4980 lm	○	1,6
WLQ54DTB	1x39,4W	4000	4980 lm	○	1,6
WLQ63DB	1x35,2W	3000	5800 lm	○	1,6
WLQ63DOB	1x35,2W	3000	5800 lm	○	1,6
WLQ63DTB	1x35,2W	3000	5800 lm	○	1,6
WLQ64DB	1x35,2W	4000	6100 lm	○	1,6
WLQ64DOB	1x35,2W	4000	6100 lm	○	1,6
WLQ64DTB	1x35,2W	4000	6100 lm	○	1,6

Ref. O Opal diffuser. IP54. UGR22
 Ref. T Transparent diffuser. IP54. UGR19
 Without diffuser. IP20. UGR19



DALI 2 option please contact us



Led Fish



WLQF
 4000K
 2530 lm
 CRI 85

Led Bread



WLQB
 3000K
 2420 lm
 CRI 85

Led Meat



WLQM
 2000K
 1885 lm
 CRI 82

SPECIAL COLOUR TEMPERATURE FOR FOOD INDUSTRY

LEDS FOOD					
	W	K	LUMEN	COLOUR	
WLQBB	1x31,1W	3000	2420 lm	○	1,5
WLQFB	1x31,1W	4000	2530 lm	○	1,5
WLQMB	1x31,1W	2000	1885 lm	○	1,5

Ref. O Opal diffuser. IP54. UGR22
 Ref. T Transparent diffuser. IP54. UGR19
 Without diffuser. IP20. UGR19

Nahika Mini



Recessed
in the ceiling



IP **20-54** With opal diffuser/
transparent

CRI **>80**

UGR **19**

90-96°

Expectancy
60000 h.
L70B10

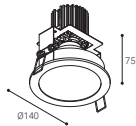
Efficiency (%)
97,6

Photobiological security

RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

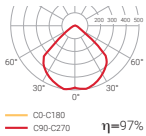
Go to page 172 to learn more



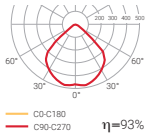
Ideal recess
Ø125
Circular cut

○ RAL9016

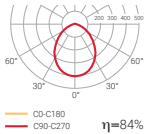
Without diffuser



Transparent diffuser



Opal diffuser



	W	K	LUMEN	COLOUR	
WLMR13B	1x14W	3000	1350 lm	○	1,1
WLMR13OB	1x14W	3000	1350 lm	○	1,1
WLMR13TB	1x14W	3000	1350 lm	○	1,1
WLMR14B	1x14W	4000	1490 lm	○	1,1
WLMR14OB	1x14W	4000	1490 lm	○	1,1
WLMR14TB	1x14W	4000	1490 lm	○	1,1



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
WLMR13DB	1x14W	3000	1350 lm	○	1,1
WLMR13DOB	1x14W	3000	1350 lm	○	1,1
WLMR13DTB	1x14W	3000	1350 lm	○	1,1
WLMR14DB	1x14W	4000	1490 lm	○	1,1
WLMR14DOB	1x14W	4000	1490 lm	○	1,1
WLMR14DTB	1x14W	4000	1490 lm	○	1,1

Ref. O Opal diffuser. IP54. UGR22
Ref. T Transparent diffuser. IP54. UGR19
Without diffuser. IP20. UGR19

Nahika Micro



IP
20

CRI
>80

UGR
19

32-51°

Expectancy
60000 h.
L70B10

Efficiency (%)
92,2

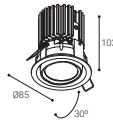
Photobiological security

RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

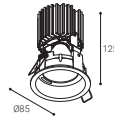
*Time under 3h.

Go to page 172 to learn more

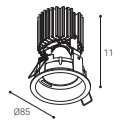
WLPRB
SWIVELLING /
INTENSIVE OPTICS



WLPRF
FIXED /
INTENSIVE OPTICS



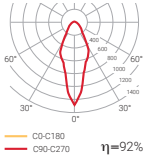
WLPRF..F
FIXED /
EXTENSIVE OPTICS



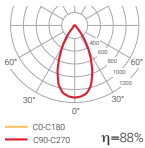
Ideal recess
Ø78
Circular cut

- RAL9016
- RAL9011

Intensive optics



Extensive optics



	W	K	LUMEN	COLOUR	
LED WLPRB13B	1x14W	3000	1350 lm	○	0,6
LED WLPRB13N	1x14W	3000	1350 lm	●	0,6
LED WLPRB14B	1x14W	4000	1490 lm	○	0,6
LED WLPRB14N	1x14W	4000	1490 lm	●	0,6
LED WLPRF13B	1x14W	3000	1350 lm	○	0,5
LED WLPRF13N	1x14W	3000	1350 lm	●	0,5
LED WLPRF14B	1x14W	4000	1490 lm	○	0,5
LED WLPRF14N	1x14W	4000	1490 lm	●	0,5
LED WLPRF13FB	1x14W	3000	1350 lm	○	0,5
LED WLPRF13FN	1x14W	3000	1350 lm	●	0,5
LED WLPRF14FB	1x14W	4000	1490 lm	○	0,5
LED WLPRF14FN	1x14W	4000	1490 lm	●	0,5



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
LED WLPRB13DB	1x14W	3000	1350 lm	○	0,6
LED WLPRB13DN	1x14W	3000	1350 lm	●	0,6
LED WLPRB14DB	1x14W	4000	1490 lm	○	0,6
LED WLPRB14DN	1x14W	4000	1490 lm	●	0,6
LED WLPRF13DB	1x14W	3000	1350 lm	○	0,6
LED WLPRF13DN	1x14W	3000	1350 lm	●	0,6
LED WLPRF14DB	1x14W	4000	1490 lm	○	0,6
LED WLPRF14DN	1x14W	4000	1490 lm	●	0,6
LED WLPRF13FDB	1x14W	4000	1350 lm	○	0,5
LED WLPRF13FDN	1x14W	4000	1350 lm	●	0,5
LED WLPRF14FDB	1x14W	4000	1490 lm	○	0,5
LED WLPRF14FDN	1x14W	4000	1490 lm	●	0,5

Nahika Micro Q



IP 20	CRI >80	UGR 19	32-51°
Expectancy 60000 h. L70B10		Efficiency (%) 92,2	

Photobiological security

RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

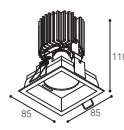
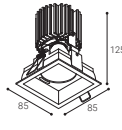
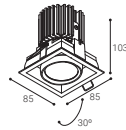
*Time under 3h.

Go to page 172 to learn more

WLPQB
SWIVELLING /
INTENSIVE OPTICS

WLPQF
FIXED /
INTENSIVE OPTICS

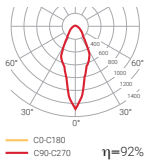
WLPQF..F
FIXED/
EXTENSIVE OPTICS



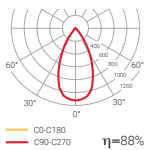
Ideal recess
78x78
Square cut

- RAL9016
- RAL9011

Intensive optics



Extensive optics



	W	K	LUMEN	COLOUR	
WLPQB13B	1x14W	3000	1350 lm	○	0,6
WLPQB13N	1x14W	3000	1350 lm	●	0,6
WLPQB14B	1x14W	4000	1490 lm	○	0,6
WLPQB14N	1x14W	4000	1490 lm	●	0,6
WLPQF13B	1x14W	3000	1350 lm	○	0,5
WLPQF13N	1x14W	3000	1350 lm	●	0,5
WLPQF14B	1x14W	4000	1490 lm	○	0,5
WLPQF14N	1x14W	4000	1490 lm	●	0,5
WLPQF13FB	1x14W	3000	1350 lm	○	0,5
WLPQF13FN	1x14W	3000	1350 lm	●	0,5
WLPQF14FB	1x14W	4000	1490 lm	○	0,5
WLPQF14FN	1x14W	4000	1490 lm	●	0,5



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
WLPQB13DB	1x14W	3000	1350 lm	○	0,6
WLPQB13DN	1x14W	3000	1350 lm	●	0,6
WLPQB14DB	1x14W	4000	1490 lm	○	0,6
WLPQB14DN	1x14W	4000	1490 lm	●	0,6
WLPQF13DB	1x14W	3000	1350 lm	○	0,5
WLPQF13DN	1x14W	3000	1350 lm	●	0,5
WLPQF14DB	1x14W	4000	1490 lm	○	0,5
WLPQF14DN	1x14W	4000	1490 lm	●	0,5
WLPQF13FDB	1x14W	3000	1350 lm	○	0,5
WLPQF13FDN	1x14W	3000	1350 lm	●	0,5
WLPQF14FDB	1x14W	4000	1490 lm	○	0,5
WLPQF14FDN	1x14W	4000	1490 lm	●	0,5

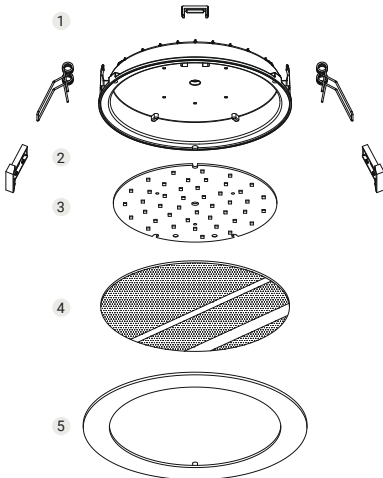


Hat

Hat is the latest generation of LED Downlights: With only 44mm height and a performance of 75% it can reach up to 2.400 lumen output.

HAT is a compact downlight of high efficiency, with DALI version available and EH1 50.000h L70B10 / EH2 70.000h L70B10 life expectancy.

As a new product within the HAT family, HAT HR is a revision of the popular Normalit downlight. A new design that keeps the original essence and has a lower glare.



- 1 Aluminium heat sink
- 2 Fixing clamps
- 3 SMD LED board
- 4 Microprismatic diffuser
- 5 Customisable aluminium ring

N
New

Hat

Hat HR

	Hat	Hat HR
Installation	Recessed in the ceiling	Recessed in the ceiling
Diffuser	⊗ ⊙ *	⊗ ⊙
Light source	LED	LED
Photobiological safety	0	0
UGR	22	21
CRi	>80	>80
MacAdam ellipse	3	3
Beam angle range	84	84
Power range (W)	13-20,5	13-20,5
Colour temperature (°K)	3000 4000	3000 4000
Light range	1500-2400	1500-2400
Power factor	0,95	0,95
Efficiency (%)	75,1	75,1
Expectancy	50000-70000 h L70B10	50000-70000 h L70B10
DALI Option	✓	✓
Continuous function 24h	✓	✓
IP	20-54	20-54
Class	II	II
Ideal cut out (mm)	210	215

⊗ Microprismatic diffuser ⊙ * Opal diffuser on order

Four versions

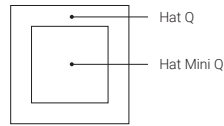


Cut outs

Circular cut



Square frame



Always demand the technical datasheets of all the lighting products.



Compact

Hat Q

Hat Mini

Hat Mini Q

Hat Micro

Recessed in the ceiling

Recessed in the ceiling

Recessed in the ceiling

Recessed in the ceiling



LED

LED

LED

LED

0

0

0

0

22

22

22

22

>80

>80

>80

>80

3

3

3

3

84

84

84

84

20,5

10,9

10,9

5

3000 | 4000

3000 | 4000

3000 | 4000

3000 | 4000

2300-2400

1400-1500

1400-1500

460-500

0,95

0,5

0,5

0,95

75,1

75,1

75,1

75,1

70000 h L70B10

70000 h L70B10

70000 h L70B10

50000 h L70B10



20-54

20-54

20-54

20-54

II

II

II

I

210

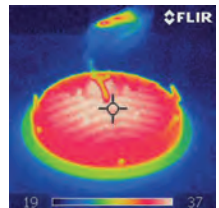
135

135

100



Now also available in MICRO size.

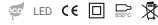


Other CRI values please contact us

Hat



Recessed
in the ceiling



IP
20-54

CRI
>80

UGR
22

84°

Expectancy
EH1: **50000 h.**
EH2: **70000 h.**
L70B10

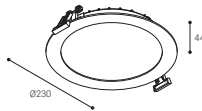
Efficiency (%)
75,1

Photobiological security

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3 h.

Go to page 172 to learn more

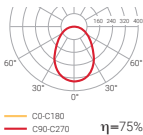


Minimum ceiling
installation
height
94

Diameter range
Ø200-225
Ideal recess
Ø210
Circular cut

- RAL9016
- RAL9006
- RAL9011

Microprismatic diffuser



	W	K	LUMEN	COLOUR	⚠
LED EH13B	1x13W	3000	1500 lm	○	0,5
LED EH13G	1x13W	3000	1500 lm	●	0,5
LED EH13N	1x13W	3000	1500 lm	●	0,5
LED EH14B	1x13W	4000	1600 lm	○	0,5
LED EH14G	1x13W	4000	1600 lm	●	0,5
LED EH14N	1x13W	4000	1600 lm	●	0,5
LED EH23B	1x20,5W	3000	2300 lm	○	0,5
LED EH23G	1x20,5W	3000	2300 lm	●	0,5
LED EH23N	1x20,5W	3000	2300 lm	●	0,5
LED EH24B	1x20,5W	4000	2400 lm	○	0,5
LED EH24G	1x20,5W	4000	2400 lm	●	0,5
LED EH24N	1x20,5W	4000	2400 lm	●	0,5



Compatible with **NormaLINK**

NUMBER OF FITTINGS NEEDED
FOR A STANDARD INSTALLATION

EH24

	200 lx	300 lx	500 lx
50 m ²	6	8	14
100 m ²	9	16	25
150 m ²	16	20	36
200 m ²	20	30	46

Height used for the calculation: 2,8 m

	W	K	LUMEN	COLOUR	⚠
LED EH13DB	1x13W	3000	1500 lm	○	0,5
LED EH13DG	1x13W	3000	1500 lm	●	0,5
LED EH13DN	1x13W	3000	1500 lm	●	0,5
LED EH14DB	1x13W	4000	1600 lm	○	0,5
LED EH14DG	1x13W	4000	1600 lm	●	0,5
LED EH14DN	1x13W	4000	1600 lm	●	0,5
LED EH23DB	1x20,5W	3000	2300 lm	○	0,5
LED EH23DG	1x20,5W	3000	2300 lm	●	0,5
LED EH23DN	1x20,5W	3000	2300 lm	●	0,5
LED EH24DB	1x20,5W	4000	2400 lm	○	0,5
LED EH24DG	1x20,5W	4000	2400 lm	●	0,5
LED EH24DN	1x20,5W	4000	2400 lm	●	0,5

Hat HR



New



Recessed
in the ceiling



IP
20-54

CRI
>80

UGR
21

84°

Expectancy
EH1: **50000 h.**
EH2: **70000 h.**
L70B10

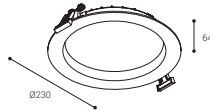
Efficiency (%)
75,1

Photobiological security

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3 h.

Go to page 172 to learn more



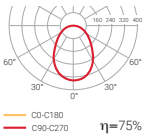
Minimum ceiling
installation
height
94

Diameter range
Ø220-225

Ideal recess
Ø215
Circular cut

- RAL9016
- RAL9006
- RAL9011

Microprismatic diffuser



	W	K	LUMEN	COLOUR	⊕
LED EHI13B	1x13W	3000	1500 lm	○	0,8
LED EHI13G	1x13W	3000	1500 lm	●	0,8
LED EHI13N	1x13W	3000	1500 lm	●	0,8
LED EHI14B	1x13W	4000	1600 lm	○	0,8
LED EHI14G	1x13W	4000	1600 lm	●	0,8
LED EHI14N	1x13W	4000	1600 lm	●	0,8
LED EHI23B	1x20,5W	3000	2300 lm	○	0,8
LED EHI23G	1x20,5W	3000	2300 lm	●	0,8
LED EHI23N	1x20,5W	3000	2300 lm	●	0,8
LED EHI24B	1x20,5W	4000	2400 lm	○	0,8
LED EHI24G	1x20,5W	4000	2400 lm	●	0,8
LED EHI24N	1x20,5W	4000	2400 lm	●	0,8



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	⊕
LED EHI13DB	1x13W	3000	1500 lm	○	0,8
LED EHI13DG	1x13W	3000	1500 lm	●	0,8
LED EHI13DN	1x13W	3000	1500 lm	●	0,8
LED EHI14DB	1x13W	4000	1600 lm	○	0,8
LED EHI14DG	1x13W	4000	1600 lm	●	0,8
LED EHI14DN	1x13W	4000	1600 lm	●	0,8
LED EHI23DB	1x20,5W	3000	2300 lm	○	0,8
LED EHI23DG	1x20,5W	3000	2300 lm	●	0,8
LED EHI23DN	1x20,5W	3000	2300 lm	●	0,8
LED EHI24DB	1x20,5W	4000	2400 lm	○	0,8
LED EHI24DG	1x20,5W	4000	2400 lm	●	0,8
LED EHI24DN	1x20,5W	4000	2400 lm	●	0,8

Hat HR

Hat HR salUZ®

IP
20-54

CRI
>80

UGR
21

84°

Expectancy
60000 h.
L70B10

Efficiency (%)
75,1

Photobiological security

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

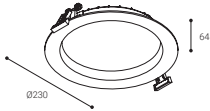
*Time under 3 h.

Go to page 172 to learn more

Minimum ceiling installation height
94

Diameter range
Ø220-225

Ideal recess
Ø215
Circular cut



- RAL9016
- RAL9006
- RAL9011

		W	K	LUMEN	COLOUR	Ⓜ	
LED	EH12ZB	●	1x20,5W	2700-6500	2600 lm	○	0,8
LED	EH12ZG	●	1x20,5W	2700-6500	2600 lm	●	0,8
LED	EH12ZN	●	1x20,5W	2700-6500	2600 lm	●	0,8
LED	EH12TWB	●	1x20,5W	2700-6500	2600 lm	○	0,8
LED	EH12TWG	●	1x20,5W	2700-6500	2600 lm	●	0,8
LED	EH12TWN	●	1x20,5W	2700-6500	2600 lm	●	0,8



Versions

salUZ® **Self-contained**

Once the luminaire has been connected to mains, it automatically modifies the intensity and the tone of the light all over the day.

salUZ® **Tunable white**

Compatible with NORMALINK

This version makes it possible to modify circadian cycles from Normalink in remote, and also to adapt them to the specific needs of the project.

Hat Q



Recessed
in the ceiling



IP
20-54

CRI
>80

UGR
22

84°

Expectancy
70000 h.
L70B10

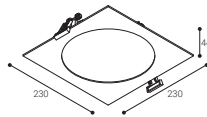
Efficiency (%)
75,1

Photobiological security

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3 h.

Go to page 172 to learn more



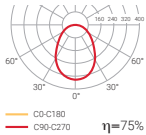
Minimum ceiling
installation height
94

Diameter range
Ø200-225

Ideal recess
Ø210
Circular cut

- RAL9016
- RAL9006
- RAL9011

Microprismatic diffuser



	W	K	LUMEN	COLOUR	
EHQ23B	1x20,5W	3000	2300 lm	○	0,5
EHQ23G	1x20,5W	3000	2300 lm	●	0,5
EHQ23N	1x20,5W	3000	2300 lm	●	0,5
EHQ24B	1x20,5W	4000	2400 lm	○	0,5
EHQ24G	1x20,5W	4000	2400 lm	●	0,5
EHQ24N	1x20,5W	4000	2400 lm	●	0,5



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
EHQ23DB	1x20,5W	3000	2300 lm	○	0,5
EHQ23DG	1x20,5W	3000	2300 lm	●	0,5
EHQ23DN	1x20,5W	3000	2300 lm	●	0,5
EHQ24DB	1x20,5W	4000	2400 lm	○	0,5
EHQ24DG	1x20,5W	4000	2400 lm	●	0,5
EHQ24DN	1x20,5W	4000	2400 lm	●	0,5



Hat Mini



Recessed
in the ceiling



LED CE RoHS IP65

IP
20-54

CRI
>80

UGR
22

84°

Expectancy
70000 h.
L70B10

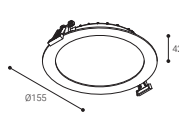
Efficiency (%)
75,1

Photobiological security

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

Go to page 172 to learn more



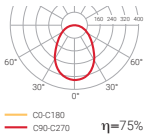
Minimum ceiling
installation
height
94

Diameter range
Ø125-150

Ideal recess
Ø135
Circular cut

- RAL9016
- RAL9006
- RAL9011

Microprismatic diffuser

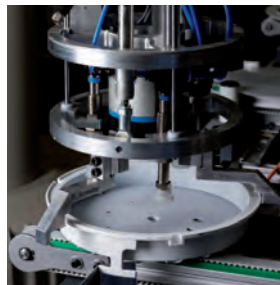


	W	K	LUMEN	COLOUR	⚠
LED EHM13B	1x10,9W	3000	1400 lm	○	0,3
LED EHM13G	1x10,9W	3000	1400 lm	●	0,3
LED EHM13N	1x10,9W	3000	1400 lm	●	0,3
LED EHM14B	1x10,9W	4000	1500 lm	○	0,3
LED EHM14G	1x10,9W	4000	1500 lm	●	0,3
LED EHM14N	1x10,9W	4000	1500 lm	●	0,3



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	⚠
LED EHM13DB	1x10,9W	3000	1400 lm	○	0,3
LED EHM13DG	1x10,9W	3000	1400 lm	●	0,3
LED EHM13DN	1x10,9W	3000	1400 lm	●	0,3
LED EHM14DB	1x10,9W	4000	1500 lm	○	0,3
LED EHM14DG	1x10,9W	4000	1500 lm	●	0,3
LED EHM14DN	1x10,9W	4000	1500 lm	●	0,3



Hat Mini Q



IP
20-54

CRI
>80

UGR
22

84°

Expectancy
60000 h.
L70B10

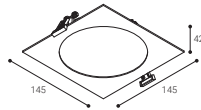
Efficiency (%)
75,1

Photobiological security

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

Go to page 172 to learn more

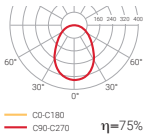


Minimum ceiling
installation
height
94

Diameter range
Ø125-140
Ideal recess
Ø135
Circular cut

- RAL9016
- RAL9006
- RAL9011

Microprismatic diffuser



	W	K	LUMEN	COLOUR	
EHMQ13B	1x10,9W	3000	1400 lm	○	0,3
EHMQ13G	1x10,9W	3000	1400 lm	●	0,3
EHMQ13N	1x10,9W	3000	1400 lm	●	0,3
EHMQ14B	1x10,9W	4000	1500 lm	○	0,3
EHMQ14G	1x10,9W	4000	1500 lm	●	0,3
EHMQ14N	1x10,9W	4000	1500 lm	●	0,3



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
EHMQ13DB	1x10,9W	3000	1400 lm	○	0,3
EHMQ13DG	1x10,9W	3000	1400 lm	●	0,3
EHMQ13DN	1x10,9W	3000	1400 lm	●	0,3
EHMQ14DB	1x10,9W	4000	1500 lm	○	0,3
EHMQ14DG	1x10,9W	4000	1500 lm	●	0,3
EHMQ14DN	1x10,9W	4000	1500 lm	●	0,3

Hat Micro



Recessed
in the ceiling



LED CE RoHS

IP
20-54

CRI
>80

UGR
22

84°

Expectancy
50000 h.
L70B10

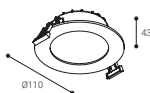
Efficiency (%)
75,1

Photobiological security

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

Go to page 172 to learn more

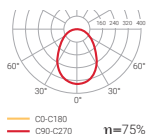


Diameter range
Ø92-105

Ideal recess
Ø100
Circular cut

- RAL9016
- RAL9006
- RAL9011

Microprismatic diffuser



	W	K	LUMEN	COLOUR	
EHP03B	1x5W	3000	460 lm	<input type="radio"/>	0,3
EHP03G	1x5W	3000	460 lm	<input checked="" type="radio"/>	0,3
EHP03N	1x5W	3000	460 lm	<input type="radio"/>	0,3
EHP04B	1x5W	4000	500 lm	<input type="radio"/>	0,3
EHP04G	1x5W	4000	500 lm	<input checked="" type="radio"/>	0,3
EHP04N	1x5W	4000	500 lm	<input type="radio"/>	0,3





IRQ

IRQ is a range of embedded downlights with a simple, attractive and functional design, with two options: Round (IR) and square shapes (IQ).

As an accessory, IRQ has an extra embedding frame with different diameter, which makes it a very flexible solution when working with different hole diameters.

DALI regulation available.



	IR	IQ
Installation	Recessed in the ceiling	Recessed in the ceiling
Diffuser	○	○
Light source	LED	LED
Photobiological safety	1	1
UGR	19	19
CRI	>80	>80
MacAdam ellipse	3	3
Beam angle range	61-63	61-63
Power range (W)	5,8	5,8
Colour temperature (°K)	3000 4000	3000 4000
Light range	670-700	670-700
Power factor	0,94	0,94
Efficiency (%)	91,9	91,3
Expectancy	60000 h L70B10	60000 h L70B10
DALI Option	✓	✓
Continuous function 24h	✓	✓
IP	20-54	20-54
Class	II	II
Ideal cut out (mm)	79	79x79

○ Transparent diffuser



Other CRI values please contact us

TO SUBSTITUTE DICROIC AND LED LAMPS.
CONTINUOUS WORK 24H GUARANTEED.

**PHASE CUT REGULATION AVAILABLE
(only non DALI fittings).**

IR



Recessed
in the ceiling



LED CE RoHS

IP
20-54

CRI
>80

UGR
19

61-63°

Expectancy
60000 h.
L70B10

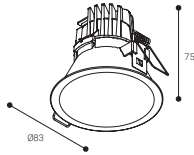
Efficiency (%)
91,9

Photobiological security

RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

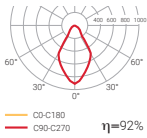
Go to page 172 to learn more



Ideal recess
Ø79
Circular cut

- RAL9016
- RAL9006
- RAL9011

Transparent diffuser



	W	K	LUMEN	COLOUR	
LED IR03TB	1x5,8W	3000	670 lm	○	0,1
LED IR03TN	1x5,8W	3000	670 lm	●	0,1
LED IR04TB	1x5,8W	4000	700 lm	○	0,1
LED IR04TN	1x5,8W	4000	700 lm	●	0,1



Can be managed by phase cut



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
LED IR03DTB	1x5,8W	3000	670 lm	○	0,1
LED IR03DTN	1x5,8W	3000	670 lm	●	0,1
LED IR04DTB	1x5,8W	4000	700 lm	○	0,1
LED IR04DTN	1x5,8W	4000	700 lm	●	0,1



ACCESSORIES

Adapter

COLOUR

IRAB ○

IRAN ●



IQ



Recessed
in the ceiling



LED CE RoHS IP65

IP
20-54

CRI
>80

UGR
19

61-63°

Expectancy
60000 h.
L70B10

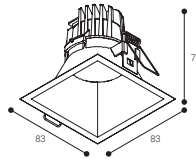
Efficiency (%)
91,3

Photobiological security

RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

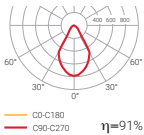
Go to page 172 to learn more



Ideal recess
79x79
Square cut

- RAL9016
- RAL9006
- RAL9011

Transparent diffuser



	W	K	LUMEN	COLOUR	⚡
LED IQ03TB	1x5,8W	3000	670 lm	○	0,1
LED IQ03TN	1x5,8W	3000	670 lm	●	0,1
LED IQ04TB	1x5,8W	4000	700 lm	○	0,1
LED IQ04TN	1x5,8W	4000	700 lm	●	0,1

! Can be managed by phase cut



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	⚡
LED IQ03DTB	1x5,8W	3000	670 lm	○	0,1
LED IQ03DTN	1x5,8W	3000	670 lm	●	0,1
LED IQ04DTB	1x5,8W	4000	700 lm	○	0,1
LED IQ04DTN	1x5,8W	4000	700 lm	●	0,1



ACCESSORIES

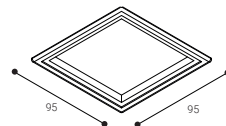
Adapter

COLOUR

IQAB



IQAN





Tiny

TINY is a reduced size, high performance swivelling downlight.

Available with white, grey or black ring.



FOR REPLACING LED AND DICROIC LAMPS
24H UNINTERRUPTED WORKING TIME WITH TOTAL GUARANTEE.

CAN BE MANAGED BY PHASE CUT
(only fittings not dali compatible)

Tiny

Installation	Recessed in the ceiling
Diffuser	○
Light source	LED
Photobiological safety	1
UGR	19
CRI	>80
MacAdam ellipse	3
Beam angle range	66
Power range (W)	5,8
Colour temperature (°K)	3000 4000
Light range	670-700
Power factor	0,94
Efficiency (%)	87,3
Expectancy	60000 h L70B10
DALI Option	✓
Continuous function 24h	✓
IP	20
Class	II
Ideal cut out (mm)	70

○ Without diffuser



Other CRI values please contact us

Tiny



Recessed
in the ceiling



LED CE RoHS

IP
20

CRI
>80

UGR
19

66°

Expectancy
60000 h.
L70B10

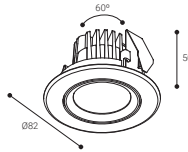
Efficiency (%)
87,3

Photobiological security

RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

Go to page 172 to learn more

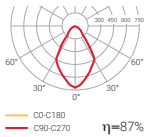


Minimum ceiling
installation
height
94

Ideal recess
Ø70
Circular cut

- RAL9016
- RAL9006
- RAL9011

Without diffuser



	W	K	LUMEN	COLOUR	
LED TI03B	1x5,8W	3000	670 lm	○	0,1
LED TI03G	1x5,8W	3000	670 lm	●	0,1
LED TI03N	1x5,8W	3000	670 lm	●	0,1
LED TI04B	1x5,8W	4000	700 lm	○	0,1
LED TI04G	1x5,8W	4000	700 lm	●	0,1
LED TI04N	1x5,8W	4000	700 lm	●	0,1

Can be managed by phase cut



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
LED TI03DB	1x5,8W	3000	670 lm	○	0,1
LED TI03DG	1x5,8W	3000	670 lm	●	0,1
LED TI03DN	1x5,8W	3000	670 lm	●	0,1
LED TI04DB	1x5,8W	4000	700 lm	○	0,1
LED TI04DG	1x5,8W	4000	700 lm	●	0,1
LED TI04DN	1x5,8W	4000	700 lm	●	0,1



Dorfin

DORFIN is a rounded or square swivelling downlight. It is entirely made from cast aluminium and the reflector is made of high reflection technical polycarbonate. With separate electrical equipment, it enables a 85° tilt and 355° rotation.

DORFIN range is available in white, grey or black. It can be provided without diffuser, with opal glass or with intensive reflector.



	Dorfin	Dorfin Q
Installation	Recessed in the ceiling	Recessed in the ceiling
Diffuser	○ ○	○ ○
Light source	LED	LED
Photobiological safety	1	1
UGR	19	19
CRI	>80	>80
MacAdam ellipse	3	3
Beam angle range	17-55	17-55
Power range (W)	11,8-25,1	11,8-25,1
Colour temperature (°K)	3000 4000	3000 4000
Light range	1428-3780	1428-3780
Power factor	0,95	0,95
Efficiency (%)	89,8	89,8
Expectancy	60000 h L70B10	60000 h L70B10
DALI Option	✓	✓
Continuous function 24h	✓	✓
IP	20	20
Class	II	II
Ideal cut out (mm)	175	175x175

○ Opal diffuser ○ Transparent diffuser

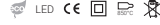


Other CRI values please contact us



Always demand the technical datasheets of all the lighting products.

Dorfin



IP **20**

CRI **>80** UGR **19**

17-55°

Expectancy **60000 h.**
L70B10

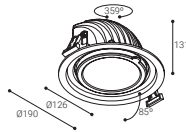
Efficiency (%) **89,8**

Photobiological security

RG0	Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

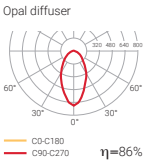
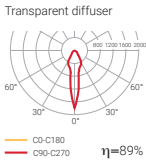
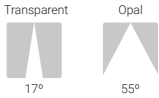
Go to page 172 to learn more



Minimum ceiling installation height **180**

Ideal recess **Ø175**
Circular cut

- RAL9016
- RAL9006
- RAL9011



Ref. O Opal diffuser: IP20, UGR22
Ref. S Transparent diffuser: IP20, UGR19

	W	K	LUMEN	COLOUR	⊗
LED D23OB	1x11,8W	3000	1930 lm	○	1,2
LED D23OG	1x11,8W	3000	1930 lm	●	1,2
LED D23ON	1x11,8W	3000	1930 lm	●	1,2
LED D23SB	1x11,8W	3000	1930 lm	○	1,2
LED D23SG	1x11,8W	3000	1930 lm	●	1,2
LED D23SN	1x11,8W	3000	1930 lm	●	1,2
LED D24OB	1x11,8W	4000	2050 lm	○	1,2
LED D24OG	1x11,8W	4000	2050 lm	●	1,2
LED D24ON	1x11,8W	4000	2050 lm	●	1,2
LED D24SB	1x11,8W	4000	2050 lm	○	1,2
LED D24SG	1x11,8W	4000	2050 lm	●	1,2
LED D24SN	1x11,8W	4000	2050 lm	●	1,2
LED D33OB	1x17,4W	3000	2650 lm	○	1,2
LED D33OG	1x17,4W	3000	2650 lm	●	1,2
LED D33ON	1x17,4W	3000	2650 lm	●	1,2
LED D33SB	1x17,4W	3000	2650 lm	○	1,2
LED D33SG	1x17,4W	3000	2650 lm	●	1,2
LED D33SN	1x17,4W	3000	2650 lm	●	1,2
LED D34OB	1x17,4W	4000	2850 lm	○	1,2
LED D34OG	1x17,4W	4000	2850 lm	●	1,2
LED D34ON	1x17,4W	4000	2850 lm	●	1,2
LED D34SB	1x17,4W	4000	2850 lm	○	1,2
LED D34SG	1x17,4W	4000	2850 lm	●	1,2
LED D34SN	1x17,4W	4000	2850 lm	●	1,2
LED D43OB	1x25,1W	3000	3580 lm	○	1,2
LED D43OG	1x25,1W	3000	3580 lm	●	1,2
LED D43ON	1x25,1W	3000	3580 lm	●	1,2
LED D43SB	1x25,1W	3000	3580 lm	○	1,2
LED D43SG	1x25,1W	3000	3580 lm	●	1,2
LED D43SN	1x25,1W	3000	3580 lm	●	1,2
LED D44OB	1x25,1W	4000	3780 lm	○	1,2
LED D44OG	1x25,1W	4000	3780 lm	●	1,2
LED D44ON	1x25,1W	4000	3780 lm	●	1,2
LED D44SB	1x25,1W	4000	3780 lm	○	1,2
LED D44SG	1x25,1W	4000	3780 lm	●	1,2
LED D44SN	1x25,1W	4000	3780 lm	●	1,2

Compatible with **NormaLINK** 

Transparent diffuser

	W	K	LUMEN	COLOUR	
D23DOB	1x11,8W	3000	1930 lm	○	1,2
D23DOG	1x11,8W	3000	1930 lm	●	1,2
D23DON	1x11,8W	3000	1930 lm	●	1,2
D23DSB	1x11,8W	3000	1930 lm	○	1,2
D23DSG	1x11,8W	3000	1930 lm	●	1,2
D23DSN	1x11,8W	3000	1930 lm	●	1,2
D24DOB	1x11,8W	4000	2050 lm	○	1,2
D24DOG	1x11,8W	4000	2050 lm	●	1,2
D24DON	1x11,8W	4000	2050 lm	●	1,2
D24DSB	1x11,8W	4000	2050 lm	○	1,2
D24DSG	1x11,8W	4000	2050 lm	●	1,2
D24DSN	1x11,8W	4000	2050 lm	●	1,2
D33DOB	1x17,4W	3000	2650 lm	○	1,2
D33DOG	1x17,4W	3000	2650 lm	●	1,2
D33DON	1x17,4W	3000	2650 lm	●	1,2
D33DSB	1x17,4W	3000	2650 lm	○	1,2
D33DSG	1x17,4W	3000	2650 lm	●	1,2
D33DSN	1x17,4W	3000	2650 lm	●	1,2
D34DOB	1x17,4W	4000	2850 lm	○	1,2
D34DOG	1x17,4W	4000	2850 lm	●	1,2
D34DON	1x17,4W	4000	2850 lm	●	1,2
D34DSB	1x17,4W	4000	2850 lm	○	1,2
D34DSG	1x17,4W	4000	2850 lm	●	1,2
D34DSN	1x17,4W	4000	2850 lm	●	1,2
D43DOB	1x25,1W	3000	3580 lm	○	1,2
D43DOG	1x25,1W	3000	3580 lm	●	1,2
D43DON	1x25,1W	3000	3580 lm	●	1,2
D43DSB	1x25,1W	3000	3580 lm	○	1,2
D43DSG	1x25,1W	3000	3580 lm	●	1,2
D43DSN	1x25,1W	3000	3580 lm	●	1,2
D44DOB	1x25,1W	4000	3780 lm	○	1,2
D44DOG	1x25,1W	4000	3780 lm	●	1,2
D44DON	1x25,1W	4000	3780 lm	●	1,2
D44DSB	1x25,1W	4000	3780 lm	○	1,2
D44DSG	1x25,1W	4000	3780 lm	●	1,2
D44DSN	1x25,1W	4000	3780 lm	●	1,2

Ref. O Opal diffuser. IP20. UGR22
 Ref. S Transparent diffuser. IP20. UGR19



DALI 2 option please contact us

Dorfin



Led Fish



DF
4000K
1848 lm
CRI 85

Led Bread



DB
3000K
1785 lm
CRI 85

Led Meat



DM
2000K
1428 lm
CRI 82

SPECIAL COLOUR TEMPERATURE FOR FOOD INDUSTRY

LEDS FOOD

			W	K	LUMEN	COLOUR	
DBOB			1x21W	3000	1785 lm	○	1,2
DBOG			1x21W	3000	1785 lm	●	1,2
DBON			1x21W	3000	1785 lm	●	1,2
DBSB			1x21W	3000	1785 lm	○	1,2
DBSG			1x21W	3000	1785 lm	●	1,2
DBSN			1x21W	3000	1785 lm	●	1,2
DFOB			1x21W	4000	1848 lm	○	1,2
DFOG			1x21W	4000	1848 lm	●	1,2
DFON			1x21W	4000	1848 lm	●	1,2
DFSB			1x21W	4000	1848 lm	○	1,2
DFSG			1x21W	4000	1848 lm	●	1,2
DFSN			1x21W	4000	1848 lm	●	1,2
DMOB			1x21W	2000	1428 lm	○	1,2
DMOG			1x21W	2000	1428 lm	●	1,2
DMON			1x21W	2000	1428 lm	●	1,2
DMSB			1x21W	2000	1428 lm	○	1,2
DMSG			1x21W	2000	1428 lm	●	1,2
DMSN			1x21W	2000	1428 lm	●	1,2

Ref. O Opal diffuser. IP20. UGR22

Ref. S Transparent diffuser. IP20. UGR19

Dorfin Q



IP 20

CRI >80

UGR 19

17-55°

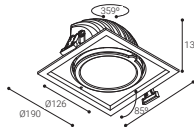
Expectancy
60000 h.
L70B10

Efficiency (%)
89,8

Photobiological security



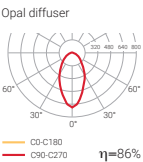
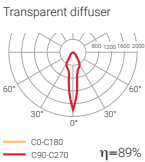
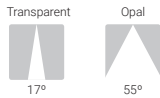
Go to page 172 to learn more



Minimum ceiling installation height
150

Ideal recess
175x175
Square cut

- RAL9016
- RAL9006
- RAL9011



Ref. O Opal diffuser. IP20. UGR22
Ref. S Transparent diffuser. IP20. UGR19

	W	K	LUMEN	COLOUR	⦿
LED DQ230B	1x11,8W	3000	1930 lm	○	1,4
LED DQ230G	1x11,8W	3000	1930 lm	●	1,4
LED DQ230N	1x11,8W	3000	1930 lm	●	1,4
LED DQ23SB	1x11,8W	3000	1930 lm	○	1,4
LED DQ23SG	1x11,8W	3000	1930 lm	●	1,4
LED DQ23SN	1x11,8W	3000	1930 lm	●	1,4
LED DQ240B	1x11,8W	4000	2050 lm	○	1,4
LED DQ240G	1x11,8W	4000	2050 lm	●	1,4
LED DQ240N	1x11,8W	4000	2050 lm	●	1,4
LED DQ24SB	1x11,8W	4000	2050 lm	○	1,4
LED DQ24SG	1x11,8W	4000	2050 lm	●	1,4
LED DQ24SN	1x11,8W	4000	2050 lm	●	1,4
LED DQ330B	1x17,4W	3000	2650 lm	○	1,4
LED DQ330G	1x17,4W	3000	2650 lm	●	1,4
LED DQ330N	1x17,4W	3000	2650 lm	●	1,4
LED DQ33SB	1x17,4W	3000	2650 lm	○	1,4
LED DQ33SG	1x17,4W	3000	2650 lm	●	1,4
LED DQ33SN	1x17,4W	3000	2650 lm	●	1,4
LED DQ340B	1x17,4W	4000	2850 lm	○	1,4
LED DQ340G	1x17,4W	4000	2850 lm	●	1,4
LED DQ340N	1x17,4W	4000	2850 lm	●	1,4
LED DQ34SB	1x17,4W	4000	2850 lm	○	1,4
LED DQ34SG	1x17,4W	4000	2850 lm	●	1,4
LED DQ34SN	1x17,4W	4000	2850 lm	●	1,4
LED DQ430B	1x25,1W	3000	3580 lm	○	1,4
LED DQ430G	1x25,1W	3000	3580 lm	●	1,4
LED DQ430N	1x25,1W	3000	3580 lm	●	1,4
LED DQ43SB	1x25,1W	3000	3580 lm	○	1,4
LED DQ43SG	1x25,1W	3000	3580 lm	●	1,4
LED DQ43SN	1x25,1W	3000	3580 lm	●	1,4
LED DQ440B	1x25,1W	4000	3780 lm	○	1,4
LED DQ440G	1x25,1W	4000	3780 lm	●	1,4
LED DQ440N	1x25,1W	4000	3780 lm	●	1,4
LED DQ44SB	1x25,1W	4000	3780 lm	○	1,4
LED DQ44SG	1x25,1W	4000	3780 lm	●	1,4
LED DQ44SN	1x25,1W	4000	3780 lm	●	1,4

Dorfin Q

IP
20

CRI
>80

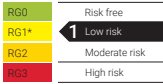
UGR
19

Efficiency (%)
17-55°

Expectancy
60000 h.
L70B10

Efficiency (%)
89,8

Photobiological security

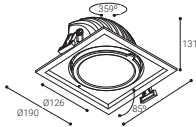


*Time under 3h.

Go to page 172 to learn more

Minimum ceiling installation height
150

Ideal recess height
175x175
Square cut



- RAL9016
- RAL9006
- RAL9011



Transparent diffuser



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	⚡
LED DQ23DOB	1x11,8W	3000	1930 lm	○	1,2
LED DQ23DOG	1x11,8W	3000	1930 lm	●	1,2
LED DQ23DON	1x11,8W	3000	1930 lm	●	1,2
LED DQ23DSB	1x11,8W	3000	1930 lm	○	1,2
LED DQ23DSG	1x11,8W	3000	1930 lm	●	1,2
LED DQ23DSN	1x11,8W	3000	1930 lm	●	1,2
LED DQ24DOB	1x11,8W	4000	2050 lm	○	1,2
LED DQ24DOG	1x11,8W	4000	2050 lm	●	1,2
LED DQ24DON	1x11,8W	4000	2050 lm	●	1,2
LED DQ24DSB	1x11,8W	4000	2050 lm	○	1,2
LED DQ24DSG	1x11,8W	4000	2050 lm	●	1,2
LED DQ24DSN	1x11,8W	4000	2050 lm	●	1,2
LED DQ33DOB	1x17,4W	3000	2650 lm	○	1,2
LED DQ33DOG	1x17,4W	3000	2650 lm	●	1,2
LED DQ33DON	1x17,4W	3000	2650 lm	●	1,2
LED DQ33DSB	1x17,4W	3000	2650 lm	○	1,2
LED DQ33DSG	1x17,4W	3000	2650 lm	●	1,2
LED DQ33DSN	1x17,4W	3000	2650 lm	●	1,2
LED DQ34DOB	1x17,4W	4000	2850 lm	○	1,2
LED DQ34DOG	1x17,4W	4000	2850 lm	●	1,2
LED DQ34DON	1x17,4W	4000	2850 lm	●	1,2
LED DQ34DSB	1x17,4W	4000	2850 lm	○	1,2
LED DQ34DSG	1x17,4W	4000	2850 lm	●	1,2
LED DQ34DSN	1x17,4W	4000	2850 lm	●	1,2
LED DQ43DOB	1x25,1W	3000	3580 lm	○	1,2
LED DQ43DOG	1x25,1W	3000	3580 lm	●	1,2
LED D43DON	1x25,1W	3000	3580 lm	●	1,2
LED DQ43DSB	1x25,1W	3000	3580 lm	○	1,2
LED DQ43DSG	1x25,1W	3000	3580 lm	●	1,2
LED DQ43DSN	1x25,1W	3000	3580 lm	●	1,2
LED DQ44DOB	1x25,1W	4000	3780 lm	○	1,2
LED DQ44DOG	1x25,1W	4000	3780 lm	●	1,2
LED DQ44DON	1x25,1W	4000	3780 lm	●	1,2
LED DQ44DSB	1x25,1W	4000	3780 lm	○	1,2
LED DQ44DSG	1x25,1W	4000	3780 lm	●	1,2
LED DQ44DSN	1x25,1W	4000	3780 lm	●	1,2

Ref. O Opal diffuser. IP20. UGR22
Ref. S Transparent diffuser. IP20. UGR19

! DALI 2 option please contact us

Dorfin Q



Led Fish



DQF
4000K
1848 lm
CRI 85

Led Bread



DQB
3000K
1785 lm
CRI 85

Led Meat



DQM
2000K
1428 lm
CRI 82

SPECIAL COLOUR TEMPERATURE FOR FOOD INDUSTRY

LEDS FOOD		W	K	LUMEN	COLOUR	
DQBOB		1x21W	3000	1785 lm	○	1,4
DQBOG		1x21W	3000	1785 lm	●	1,4
DQBON		1x21W	3000	1785 lm	○	1,4
DQBSB		1x21W	3000	1785 lm	○	1,4
DQBSG		1x21W	3000	1785 lm	●	1,4
DQBSN		1x21W	3000	1785 lm	○	1,4
DQFOB		1x21W	4000	1848 lm	○	1,4
DQFOG		1x21W	4000	1848 lm	●	1,4
DQFON		1x21W	4000	1848 lm	○	1,4
DQFSB		1x21W	4000	1848 lm	○	1,4
DQFSG		1x21W	4000	1848 lm	●	1,4
DQFSN		1x21W	4000	1848 lm	○	1,4
DQMOB		1x21W	2000	1428 lm	○	1,4
DQMOG		1x21W	2000	1428 lm	●	1,4
DQMON		1x21W	2000	1428 lm	○	1,4
DQMSB		1x21W	2000	1428 lm	○	1,4
DQMSG		1x21W	2000	1428 lm	●	1,4
DQMSN		1x21W	2000	1428 lm	○	1,4

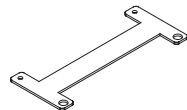
Ref. O Opal diffuser. IP20. UGR22

Ref. S Transparent diffuser. IP20. UGR19

ACCESSORIES

Joining accessory

D014





surface Downlights

Elit S	243
Hat S	245
Cyre	247
Pendulars	251
Pagoda	257

Elit S

Version of the ELIT range for ceiling surface mounting.

Available in two sizes (standard and micro), this surface downlight is made of anodised aluminium and can be provided in white, grey or black.



	Elit S	Elit Micro S
Installation	Ceiling surface mounted	Ceiling surface mounted
Diffuser	○	○
Light source	LED	LED
Photobiological safety	1	1
UGR	19	19
CRI	>80	>80
MacAdam ellipse	3	4
Beam angle range	99	94
Power range (W)	11,8-17,4	6,4
Colour temperature (°K)	3000 4000	3000 4000
Light range	1930-2850	760-885
Power factor	0,95	0,5
Efficiency (%)	95,4	92,9
Expectancy	60000 h L70B10	60000 h L70B10
DALI Option	✓	✓
Continuous function 24h	✓	✓
IP	20	20
Class	I	I

○ Without diffuser

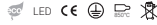


Other CRI values please contact us

Elit S



Ceiling surface mounted



IP 20

CRI >80

UGR 19

99°

Expectancy
60000 h.
L70B10

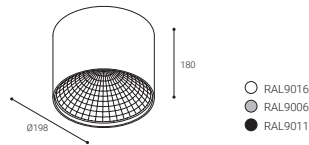
Efficiency (%)
95,4

Photobiological security

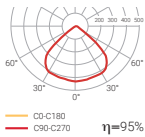


*Time under 3h.

Go to page 172 to learn more



Without diffuser



	W	K	LUMEN	COLOUR	
LED ELA23B	1x11,8W	3000	1930 lm	○	1,1
LED ELA23G	1x11,8W	3000	1930 lm	●	1,1
LED ELA23N	1x11,8W	3000	1930 lm	●	1,1
LED ELA24B	1x11,8W	4000	2050 lm	○	1,1
LED ELA24G	1x11,8W	4000	2050 lm	●	1,1
LED ELA24N	1x11,8W	4000	2050 lm	●	1,1
LED ELA33B	1x17,4W	3000	2650 lm	○	1,1
LED ELA33G	1x17,4W	3000	2650 lm	●	1,1
LED ELA33N	1x17,4W	3000	2650 lm	●	1,1
LED ELA34B	1x17,4W	4000	2850 lm	○	1,1
LED ELA34G	1x17,4W	4000	2850 lm	●	1,1
LED ELA34N	1x17,4W	4000	2850 lm	●	1,1



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
LED ELA23DB	1x11,8W	3000	1930 lm	○	1,1
LED ELA23DG	1x11,8W	3000	1930 lm	●	1,1
LED ELA23DN	1x11,8W	3000	1930 lm	●	1,1
LED ELA24DB	1x11,8W	4000	2050 lm	○	1,1
LED ELA24DG	1x11,8W	4000	2050 lm	●	1,1
LED ELA24DN	1x11,8W	4000	2050 lm	●	1,1
LED ELA33DB	1x17,4W	3000	2650 lm	○	1,1
LED ELA33DG	1x17,4W	3000	2650 lm	●	1,1
LED ELA33DN	1x17,4W	3000	2650 lm	●	1,1
LED ELA34DB	1x17,4W	4000	2850 lm	○	1,1
LED ELA34DG	1x17,4W	4000	2850 lm	●	1,1
LED ELA34DN	1x17,4W	4000	2850 lm	●	1,1



DALI 2 option please contact us

Elit Micro S



LED CE ENEC DALI

IP 20

CRI >80

UGR 19

94°

Expectancy
60000 h.
L70B10

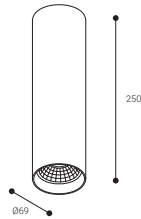
Efficiency (%)
92,9

Photobiological security

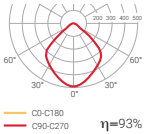
RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

Go to page 172 to learn more



Without diffuser



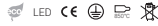
	W	K	LUMEN	COLOUR	
EPA03B	1x6,4W	3000	760 lm	○	0,6
EPA03G	1x6,4W	3000	760 lm	●	0,6
EPA03N	1x6,4W	3000	760 lm	●	0,6
EPA04B	1x6,4W	4000	885 lm	○	0,6
EPA04G	1x6,4W	4000	885 lm	●	0,6
EPA04N	1x6,4W	4000	885 lm	●	0,6



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
EPA03DB	1x6,4W	3000	760 lm	○	0,6
EPA03DG	1x6,4W	3000	760 lm	●	0,6
EPA03DN	1x6,4W	3000	760 lm	●	0,6
EPA04DB	1x6,4W	4000	885 lm	○	0,6
EPA04DG	1x6,4W	4000	885 lm	●	0,6
EPA04DN	1x6,4W	4000	885 lm	●	0,6

Hat S



IP 30	CRI >80	UGR 22	 84°
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Expectancy
70000 h.
L70B10

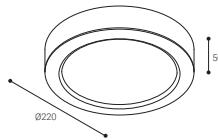
Efficiency (%)
75,1

Photobiological security

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

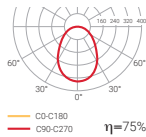
*Time under 3h.

Go to page 172 to learn more



- RAL9016
- RAL9006
- RAL9011

Microprismatic diffuser



	W	K	LUMEN	COLOUR	
EHS23B	1x17W	3000	1800 lm	○	1
EHS23G	1x17W	3000	1800 lm	●	1
EHS23N	1x17W	3000	1800 lm	●	1
EHS24B	1x17W	4000	1900 lm	○	1
EHS24G	1x17W	4000	1900 lm	●	1
EHS24N	1x17W	4000	1900 lm	●	1

220v LED, does not need a driver

Hat S

Installation	Ceiling surface mounted
Diffuser	
Light source	LED
Photobiological safety	0
UGR	22
CRI	>80
MacAdam ellipse	3
Beam angle range	84
Power range (W)	17
Colour temperature (°K)	3000 4000
Light range	1800-1900
Power factor	0,98
Efficiency (%)	75,1
Expectancy	70000 h L70B10
DALI Option	
Continuous function 24h	✓
IP	30
Class	I

Other CRI values please contact us

Microprismatic diffuser



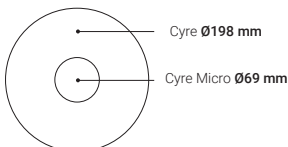
Cyre

CYRE is a range of luminaires for suspended mounting in the ceiling. They are based on a cylindrical extruded aluminium profile and have a reflector made of high reflection technical polycarbonate.

CYRE is available in two sizes (standard and micro) and three finishings (white, grey or black).

Ultimately, a luminaire that illuminates and decorates the room.

Two versions



	Cyre	Cyre Micro
Installation	Ceiling suspended mounted	Ceiling suspended mounted
Diffuser	○	○
Light source	LED	LED
Photobiological safety	1	1
UGR	19	19
CRI	>80	>80
MacAdam ellipse	3	3
Beam angle range	99	94
Power range (W)	11,8-17,4	6,4
Colour temperature (°K)	3000 4000	3000 4000
Light range	1930-2850	760-885
Power factor	0,95	0,92
Efficiency (%)	95,4	92,9
Expectancy	60000 h L70B10	60000 h L70B10
DALI Option	✓	✓
Continuous function 24h	✓	✓
IP Class	20 I	20 I

○ Without diffuser



Other CRI values please contact us

Cyre



Ceiling suspended mounted



LED CE RoHS ENEC

IP 20

CRI >80

UGR 19

99°

Expectancy
60000 h.
L70B10

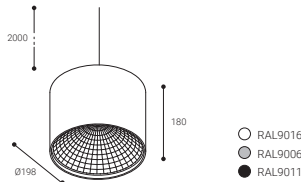
Efficiency (%)
95,4

Photobiological security

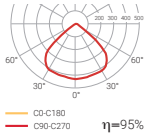


*Time under 3h.

Go to page 172 to learn more



Without diffuser



	W	K	LUMEN	COLOUR	Ⓜ
LED CYL23B	1x11,8W	3000	1930 lm	○	1,1
LED CYL23G	1x11,8W	3000	1930 lm	●	1,1
LED CYL23N	1x11,8W	3000	1930 lm	●	1,1
LED CYL24B	1x11,8W	4000	2050 lm	○	1,1
LED CYL24G	1x11,8W	4000	2050 lm	●	1,1
LED CYL24N	1x11,8W	4000	2050 lm	●	1,1
LED CYL33B	1x17,4W	3000	2650 lm	○	1,1
LED CYL33G	1x17,4W	3000	2650 lm	●	1,1
LED CYL33N	1x17,4W	3000	2650 lm	●	1,1
LED CYL34B	1x17,4W	4000	2850 lm	○	1,1
LED CYL34G	1x17,4W	4000	2850 lm	●	1,1
LED CYL34N	1x17,4W	4000	2850 lm	●	1,1



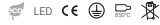
Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	Ⓜ
LED CYL23DB	1x11,8W	3000	1930 lm	○	1,1
LED CYL23DG	1x11,8W	3000	1930 lm	●	1,1
LED CYL23DN	1x11,8W	3000	1930 lm	●	1,1
LED CYL24DB	1x11,8W	4000	2050 lm	○	1,1
LED CYL24DG	1x11,8W	4000	2050 lm	●	1,1
LED CYL24DN	1x11,8W	4000	2050 lm	●	1,1
LED CYL33DB	1x17,4W	3000	2650 lm	○	1,1
LED CYL33DG	1x17,4W	3000	2650 lm	●	1,1
LED CYL33DN	1x17,4W	3000	2650 lm	●	1,1
LED CYL34DB	1x17,4W	4000	2850 lm	○	1,1
LED CYL34DG	1x17,4W	4000	2850 lm	●	1,1
LED CYL34DN	1x17,4W	4000	2850 lm	●	1,1

Cyre Micro



Ceiling suspended mounted



IP 20

CRI >80

UGR 19

94°

Expectancy
60000 h.
L70B10

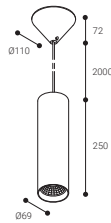
Efficiency (%)
92,9

Photobiological security

RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

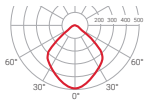
*Time under 3h.

Go to page 172 to learn more



- RAL9016
- RAL9006
- RAL9011

Without diffuser



— C0-C180
— C90 C270
η=93%

	W	K	LUMEN	COLOUR	⊕
LED CYP03B	1x6,4W	3000	760 lm	○	0,6
LED CYP03G	1x6,4W	3000	760 lm	●	0,6
LED CYP03N	1x6,4W	3000	760 lm	●	0,6
LED CYP04B	1x6,4W	4000	885 lm	○	0,6
LED CYP04G	1x6,4W	4000	885 lm	●	0,6
LED CYP04N	1x6,4W	4000	885 lm	●	0,6



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	⊕
LED CYP03DB	1x6,4W	3000	760 lm	○	0,6
LED CYP03DG	1x6,4W	3000	760 lm	●	0,6
LED CYP03DN	1x6,4W	3000	760 lm	●	0,6
LED CYP04DB	1x6,4W	4000	885 lm	○	0,6
LED CYP04DG	1x6,4W	4000	885 lm	●	0,6
LED CYP04DN	1x6,4W	4000	885 lm	●	0,6





Pendulars

PENDULAR is a range of suspended luminaires especially designed to be installed in places with high ceilings and wide spaces. Extruded and anodised aluminium body. The set is completed by two different types of reflector, in anodised aluminium or acrylic (Lexalon).

Pendulares

Installation	Ceiling suspended mounted
Diffuser	<input type="radio"/>
Light source	LED
Photobiological safety	1
UGR	19
CRI	>80
MacAdam ellipse	3
Beam angle range	28-41
Power range (W)	11,8-39,4
Colour temperature (°K)	3000 4000
Light range	1930-6100
Power factor	0,95
Efficiency (%)	92,5
Expectancy	60000 h L70B10
DALI Option	✓
Continuous function 24h	✓
IP	20
Class	I

Without diffuser



Other CRI values please contact us

Pendulars



Ceiling suspended mounted



LED CE RoHS

IP 20

CRI >80

UGR 19

41°

Expectancy
60000 h.
L70B10

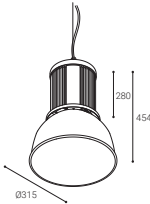
Efficiency (%)
92,5

Photobiological security

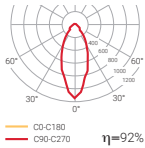
RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

Go to page 172 to learn more



Without diffuser



	W	K	LUMEN	COLOUR	Ⓐ
LED VP12L23	1x11,8W	3000	1930 lm	Ⓐ	3,4
LED VP12L24	1x11,8W	4000	2050 lm	Ⓐ	3,4
LED VP12L33	1x17,4W	3000	2650 lm	Ⓐ	3,4
LED VP12L34	1x17,4W	4000	2850 lm	Ⓐ	3,4
LED VP12L43	1x25,1W	3000	3580 lm	Ⓐ	3,4
LED VP12L44	1x25,1W	4000	3780 lm	Ⓐ	3,4
LED VP12L53	1x39,4W	3000	4750 lm	Ⓐ	3,4
LED VP12L54	1x39,4W	4000	4980 lm	Ⓐ	3,4
LED VP12L63	1x35,2W	3000	5800 lm	Ⓐ	3,4
LED VP12L64	1x35,2W	4000	6100 lm	Ⓐ	3,4



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	Ⓐ
LED VP12L23D	1x11,8W	3000	1930 lm	Ⓐ	3,4
LED VP12L24D	1x11,8W	4000	2050 lm	Ⓐ	3,4
LED VP12L33D	1x17,4W	3000	2650 lm	Ⓐ	3,4
LED VP12L34D	1x17,4W	4000	2850 lm	Ⓐ	3,4
LED VP12L43D	1x25,1W	3000	3580 lm	Ⓐ	3,4
LED VP12L44D	1x25,1W	4000	3780 lm	Ⓐ	3,4
LED VP12L53D	1x39,4W	3000	4750 lm	Ⓐ	3,4
LED VP12L54D	1x39,4W	4000	4980 lm	Ⓐ	3,4
LED VP12L63D	1x35,2W	3000	5800 lm	Ⓐ	3,4
LED VP12L64D	1x35,2W	4000	6100 lm	Ⓐ	3,4

Ref. VP Acrylic reflector



DALI 2 option please contact us

Pendulars



Led Fish



VP12F
4000K
2625 lm
CRI 85

Led Bread



VP12B
3000K
2540 lm
CRI 85

Led Meat



VP12M
2000K
2370 lm
CRI 82

SPECIAL COLOUR TEMPERATURE FOR FOOD INDUSTRY

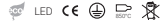
LEDS FOOD		W	K	LUMEN	COLOUR	
VP12LB		1x29,9W	3000	2540 lm		3,4
VP12LF		1x29,9W	4000	2625 lm		3,4
VP12LM		1x29,9W	2000	2370 lm		3,4

Ref. VP Acrylic reflector

Pendulars



Ceiling suspended mounted



IP 20

CRI >80

UGR 19

41°

Expectancy
60000 h.
L70B10

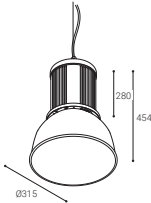
Efficiency (%)
87,6

Photobiological security

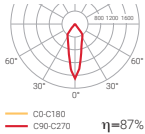
RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h

Go to page 172 to learn more



Without diffuser



	W	K	LUMEN	COLOUR	UGR
LED VPA12L23	1x11,8W	3000	1930 lm	A	3,4
LED VPA12L24	1x11,8W	4000	2050 lm	A	3,4
LED VPA12L33	1x17,4W	3000	2650 lm	A	3,4
LED VPA12L34	1x17,4W	4000	2850 lm	A	3,4
LED VPA12L43	1x25,1W	3000	3580 lm	A	3,4
LED VPA12L44	1x25,1W	4000	3780 lm	A	3,4
LED VPA12L53	1x39,4W	3000	4750 lm	A	3,4
LED VPA12L54	1x39,4W	4000	4980 lm	A	3,4
LED VPA12L63	1x35,2W	3000	5800 lm	A	3,4
LED VPA12L64	1x35,2W	4000	6100 lm	A	3,4



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	UGR
LED VPA12L23D	1x11,8W	3000	1930 lm	A	3,4
LED VPA12L24D	1x11,8W	4000	2050 lm	A	3,4
LED VPA12L33D	1x17,4W	3000	2650 lm	A	3,4
LED VPA12L34D	1x17,4W	4000	2850 lm	A	3,4
LED VPA12L43D	1x25,1W	3000	3580 lm	A	3,4
LED VPA12L44D	1x25,1W	4000	3780 lm	A	3,4
LED VPA12L53D	1x39,4W	3000	4750 lm	A	3,4
LED VPA12L54D	1x39,4W	4000	4980 lm	A	3,4
LED VPA12L63D	1x35,2W	3000	5800 lm	A	3,4
LED VPA12L64D	1x35,2W	4000	6100 lm	A	3,4

Ref. VPA Aluminium reflector



DALI 2 option please contact us

Pendulars



Led Fish



VPA12F
4000K
2625 lm
CRI 85

Led Bread



VPA12B
3000K
2540 lm
CRI 85

Led Meat



VPA12M
2000K
2370 lm
CRI 82

SPECIAL COLOUR TEMPERATURE FOR FOOD INDUSTRY

LEDS FOOD		W	K	LUMEN	COLOUR		
	VPA12LB		1x29,9W	3000	2540 lm		3,4
	VPA12LF		1x29,9W	4000	2625 lm		3,4
	VPA12LM		1x29,9W	2000	2370 lm		3,4

Ref. VPA Aluminium reflector

ACCESSORIES

Suspension accessory

	L (m)	COLOUR
1027VPG	4	
1028VPG	2	

The suspension accessory does not include the power cable.







Pagoda

Luminaire to be suspended from the ceiling. Consists of an external aluminium with a second reflector and the electronic equipment inside. Tempered glass is used to close the set. Suspended by a metal wire.

Pagoda

Installation	Ceiling suspended mounted
Diffuser	☉
Light source	LED
Photobiological safety	1
UGR	22
CRI	>80:85
MacAdam ellipse	3
Beam angle range	94
Power range (W)	17,4-39,4
Colour temperature (°K)	3000 4000
Light range	2370-6100
Power factor	0,95
Efficiency (%)	89,2
Expectancy	60000 h L70B10
DALI Option	✓
Continuous function 24h	✓
IP	20
Class	I

☉ Concentric diffuser



Other CRI values please contact us

Pagoda

Ceiling suspended
mounted

LED

IP
20CRI
>80UGR
22

94°

 Expectancy
60000 h.
 L70B10

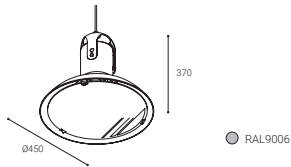
 Efficiency (%)
89,2

Photobiological security

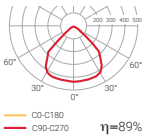
RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3 h.

Go to page 172 to learn more



Concentric diffuser



	W	K	LUMEN	COLOUR	
VG33G	1x17,4W	3000	2650 lm		3,9
VG34G	1x17,4W	4000	2850 lm		3,9
VG43G	1x25,1W	3000	3580 lm		3,9
VG44G	1x25,1W	4000	3780 lm		3,9
VG53G	1x39,4W	3000	4750 lm		3,9
VG54G	1x39,4W	4000	4980 lm		3,9
VG63G	1x35,2W	3000	5800 lm		3,9
VG64G	1x35,2W	4000	6100 lm		3,9

Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
VG33DG	1x17,4W	3000	2650 lm		3,9
VG34DG	1x17,4W	4000	2850 lm		3,9
VG43DG	1x25,1W	3000	3580 lm		3,9
VG44DG	1x25,1W	4000	3780 lm		3,9
VG53DG	1x39,4W	3000	4750 lm		3,9
VG54DG	1x39,4W	4000	4980 lm		3,9
VG63DG	1x35,2W	3000	5800 lm		3,9
VG64DG	1x35,2W	4000	6100 lm		3,9



DALI 2 option please contact us

Pagoda



VGF
4000K
2625 lm
CRI 85



VGB
3000K
2540 lm
CRI 85



VGM
2000K
2370 lm
CRI 82

SPECIAL COLOUR TEMPERATURE FOR FOOD INDUSTRY

LEDS FOOD		W	K	LUMEN	COLOUR	⚠	
	VGBG		1x29,9W	3000	2540 lm		3,9
	VGFG		1x29,9W	4000	2625 lm		3,9
	VGMG		1x29,9W	2000	2370 lm		3,9

Concentric diffuser

ACCESSORIES

Suspension accessory

	L (m)	COLOUR
1027VPG	4	
1028VPG	2	

The suspension accessory does not include the power cable.







Fittings

Nassel Avant	264
Nassel	268
Nassel S	270
Luzerna Avant	273
Oqio	275
Eclipse	277



Nassel Avant

NASSEL AVANT is an LED panel with a metallic frame and a multi-reflector plastic system that provides uniform and comfortable lighting in the workplace environment.

Nassel Avant

Installation	Recessed in the ceiling
Diffuser	○
Light source	LED
Photobiological safety	0
UGR	16
CRI	>80
MacAdam ellipse	3
Beam angle range	76
Power range (W)	27
Colour temperature (°K)	3000 4000
Light range	3670-3950
Power factor	0,95
Efficiency (%)	82
Expectancy	50000 h L70B10
DALI Option	✓
Continuous function 24h	✓
IP	20-44
Class	II
Ideal cut out (mm)	600x600

○ Without diffuser



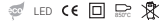
Other CRI values please contact us



Nassel Avant



Recessed
in the ceiling



IP
44

CRI
>80

UGR
16

76°

Expectancy
50000 h.
L70B10

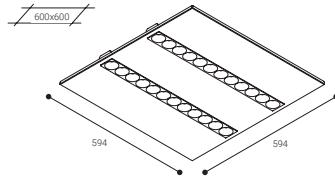
Efficiency (%)
82

Photobiological security

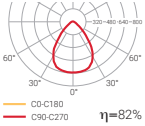
RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3 h.

Go to page 172 to learn more



○ RAL9016



	W	K	LUMEN	COLOUR	
LED NX33B	1x27W	3000	3670 lm	○	2,9
LED NX34B	1x27W	4000	3950 lm	○	2,9



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
LED NX33DB	1x27W	3000	3670 lm	○	2,9
LED NX34DB	1x27W	4000	3950 lm	○	2,9

NUMBER OF FITTINGS NEEDED FOR A STANDARD INSTALLATION

NX34

	200 lx	300 lx	500 lx
50 m ²	3	5	10
100 m ²	7	11	18
150 m ²	10	16	26
200 m ²	14	22	36








Height used for the calculation: 2,8 m

ACCESSORIES

NS3M	Kit for plaster embedded installation 600x600
NS4M	Kit for plaster embedded installation 1200x300
NS5M	Kit for plaster embedded installation 1200x1600

Nassel Avant

Nassel Avant saLUZ®


		W	K	LUMEN	COLOUR	
 NX3ZB		1x22,5W	2700-6500	2910 lm	○	2,9
 NX3ZSB		1x22,5W	2700-6500	2910 lm	○	2,9
 NX3TWB		1x22,5W	2700-6500	2910 lm	○	2,9

○ RAL9016

Versions

saLUZ® Self-contained

Once the luminaire has been connected to mains, it automatically modifies the intensity and the tone of the light all over the day.

saLUZ® Self-contained + 
+ LIGHT SENSOR

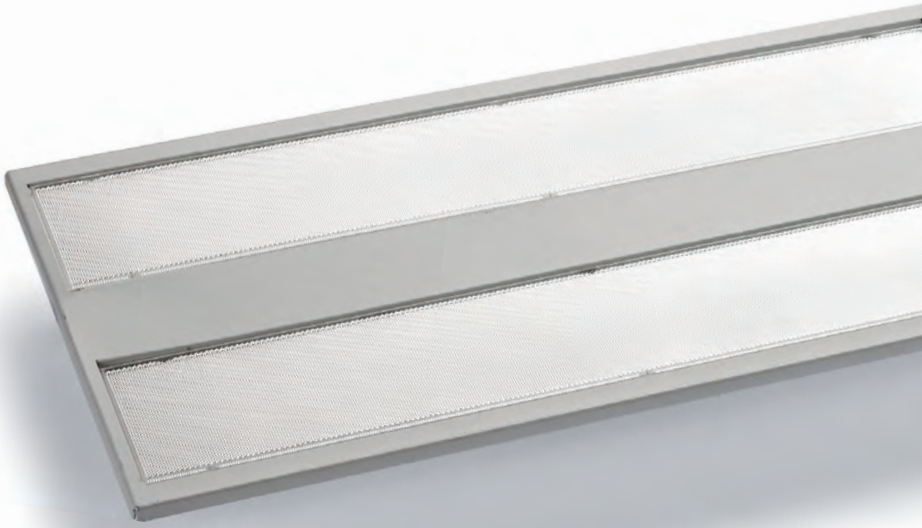
Same features as the self-contained version but additionally including a sensor which makes it possible to regulate the amount of light.

saLUZ® Tunable white

COMPATIBLE WITH NORMALINK

This version makes it possible to modify circadian cycles from Normalink in remote, and also to adapt them to the specific needs of the project.





Nassel



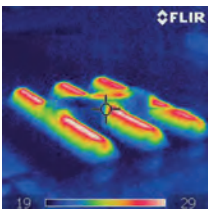
IDEPA prize
"Best innovative project"

Nassel is an innovative LED luminaire model particularly suitable for modular ceilings. Achieves direct and comfortable light thanks to the combination of two diffusers (a microprismatic diffuser and an opal diffuser) and a highly reflective thermoplastic reflector.

NASSEL S is the version of this fitting for surface ceiling mounting.



- 1 Light structure and less weight
- 2 Interchangeable LED plate, Zhaga standard
- 3 Microprismatic diffuser for a better performance of the light output (UGR<19)



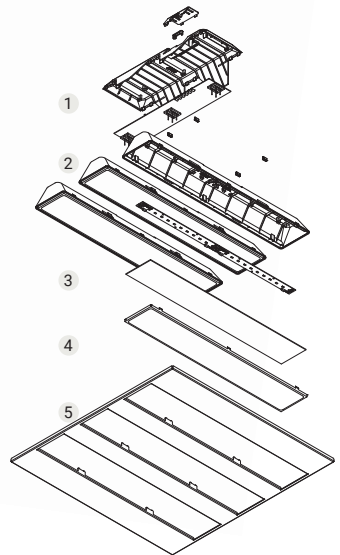


Nassel

Nassel S

Installation	Recessed in the ceiling	Ceiling surface mounted Ceiling suspended mounted
Diffuser	⊗	⊗
Light source	LED	LED
Photobiological safety	0	0
UGR	16	16
CRI	>80	>80
MacAdam ellipse	3	3
Beam angle range	73	73
Power range (W)	36-48	24-48
Colour temperature (°K)	3000 4000	3000 4000
Light range	3400-7400	3400-7400
Power factor	0,95	0,95
Efficiency (%)	80,3	80,3
Expectancy	60000 h L70B10	60000 h L70B10
DALI Option	✓	✓
Continuous function 24h	✓	✓
IP	20-44	30
Class	II	II
Ideal cut out (mm)	600x600 1200x300 1200x600	

⊗ Microprismatic diffuser



- 1 Terminal board
- 2 Heat sink
- 3 Intermediate diffuser
- 4 Microprismatic diffuser
- 5 Housing

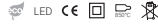
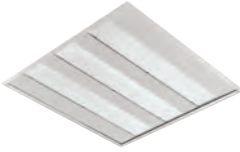
! Other CRI values please contact us

! Always demand the technical datasheets of all the lighting products.

Nassel



Recessed
in the ceiling



IP
20-44

CRI
>80

UGR
16

73°

Expectancy
60000 h.
L70B10

Efficiency (%)
80,3

Photobiological security

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

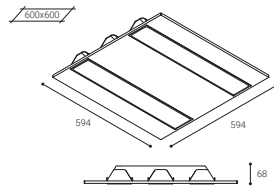
*Time under 3h.

Go to page 172 to learn more

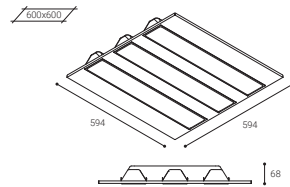
○ RAL9016

Modular ceiling
mounted

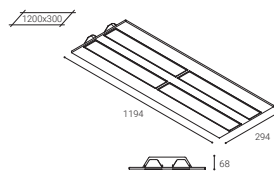
NS2



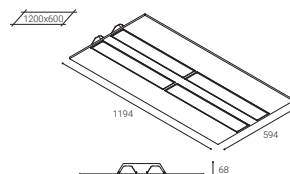
NS3



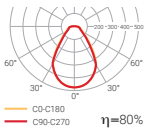
NS4



NS5



Microprismatic diffuser



	W	K	LUMEN	COLOUR	
NS23B	1x24W	3000	3400 lm	○	2,9
NS24B	1x24W	4000	3700 lm	○	2,9
NS33B	1x36W	3000	5100 lm	○	2,9
NS34B	1x36W	4000	5550 lm	○	2,9
NS43B	1x48W	3000	6800 lm	○	2,9
NS44B	1x48W	4000	7400 lm	○	2,9
NS53B	1x48W	3000	6800 lm	○	7,0
NS54B	1x48W	4000	7400 lm	○	7,0



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
NS23DB	1x24W	3000	3400 lm	○	2,9
NS24DB	1x24W	4000	3700 lm	○	2,9
NS33DB	1x36W	3000	5100 lm	○	2,9
NS34DB	1x36W	4000	5550 lm	○	2,9
NS43DB	1x48W	3000	6800 lm	○	2,9
NS44DB	1x48W	4000	7400 lm	○	2,9
NS53DB	1x48W	3000	6800 lm	○	7,0
NS54DB	1x48W	4000	7400 lm	○	7,0

CUSTOMIZATION
OPTIONS
AVAILABLE

Nassel for plasterboard ceilings

NUMBER OF FITTINGS NEEDED FOR A STANDARD INSTALLATION

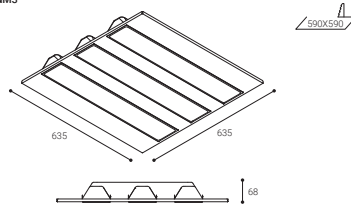
NS34B

	200 lx	300 lx	500 lx
50 m ²	3	4	6
100 m ²	4	8	10
150 m ²	6	10	15
200 m ²	6	12	20

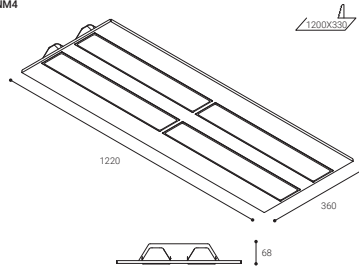
Height used for the calculation: 2,8 m

 **Plaster ceiling mounted**






NM3



NM4








○ RAL9016

	W	K	LUMEN	COLOUR	
 NM33B	1x36W	3000	5100 lm	○	2,9
 NM34B	1x36W	4000	5550 lm	○	2,9
 NM43B	1x48W	3000	6800 lm	○	2,9
 NM44B	1x48W	4000	7400 lm	○	2,9



Compatible with **NormaLINK** 

	W	K	LUMEN	COLOUR	
 NM33DB	1x36W	3000	5100 lm	○	2,9
 NM34DB	1x36W	4000	5550 lm	○	2,9
 NM43DB	1x48W	3000	6800 lm	○	2,9
 NM44DB	1x48W	4000	7400 lm	○	2,9

Nassel S



LED CE RoHS

IP **30**

CRI **>80**

UGR **16**

73°

Expectancy **60000 h.**
L70B10

Efficiency (%) **80,3**

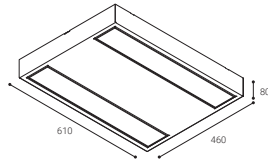
Photobiological security

RG0	0 Risk free
RG1+	Low risk
RG2	Moderate risk
RG3	High risk

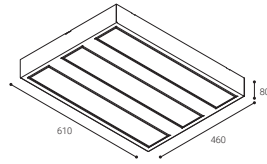
*Time under 3h.

Go to page 172 to learn more

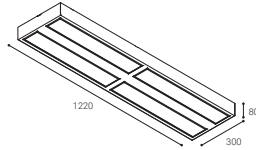
NA2



NA3

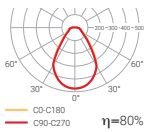


NA4



○ RAL9016

Microprismatic diffuser



	W	K	LUMEN	COLOUR	
LED NA23B	1x24W	3000	3400 lm	○	4,8
LED NA24B	1x24W	4000	3700 lm	○	4,8
LED NA33B	1x36W	3000	5100 lm	○	4,8
LED NA34B	1x36W	4000	5500 lm	○	4,8
LED NA43B	1x48W	3000	6800 lm	○	4,8
LED NA44B	1x48W	4000	7400 lm	○	4,8



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
LED NA23DB	1x24W	3000	3400 lm	○	4,8
LED NA24DB	1x24W	4000	3700 lm	○	4,8
LED NA33DB	1x36W	3000	5100 lm	○	4,8
LED NA34DB	1x36W	4000	5550 lm	○	4,8
LED NA43DB	1x48W	3000	6800 lm	○	4,8
LED NA44DB	1x48W	4000	7400 lm	○	4,8

Nassel S



Ceiling suspended mounted



LED CE RoHS

IP 20

CRI >80

UGR 16

73°

Expectancy
60000 h.
L70B10

Efficiency (%)
80,3

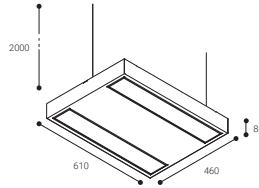
Photobiological security

RG0	0 Risk free
RG1+	Low risk
RG2	Moderate risk
RG3	High risk

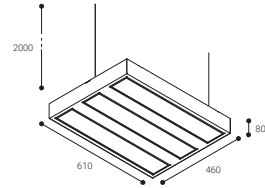
*Time under 3h.

Go to page 172 to learn more

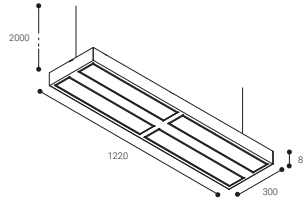
NAS2



NAS3

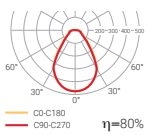


NAS4



○ RAL9016

Microprismatic diffuser



	W	K	LUMEN	COLOUR	⚙️
LED NAS23B	1x24W	3000	3400 lm	○	4,8
LED NAS24B	1x24W	4000	3700 lm	○	4,8
LED NAS33B	1x36W	3000	5100 lm	○	4,8
LED NAS34B	1x36W	4000	5550 lm	○	4,8
LED NAS43B	1x48W	3000	6800 lm	○	4,8
LED NAS44B	1x48W	4000	7400 lm	○	4,8



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	⚙️
LED NAS23DB	1x24W	3000	3400 lm	○	4,8
LED NAS24DB	1x24W	4000	3700 lm	○	4,8
LED NAS33DB	1x36W	3000	5100 lm	○	4,8
LED NAS34DB	1x36W	4000	5550 lm	○	4,8
LED NAS43DB	1x48W	3000	6800 lm	○	4,8
LED NAS44DB	1x48W	4000	7400 lm	○	4,8

! CUSTOMIZATION
OPTIONS AVAILABLE



Luzerna Avant

New Normalit luminaire for modular ceilings, presented in three different sizes: 600 x 600, 1200 x 300, 1200 x 600.


To be installed in plasterboard ceilings, suspended or surface mounted with accessories.

Luzerna Avant

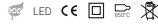
Installation	Recessed in the ceiling
Diffuser	<input type="radio"/>
Light source	LED
Photobiological safety	0
UGR	19
CRI	>80
MacAdam ellipse	3
Beam angle range	114
Power range (W)	32-64
Colour temperature (°K)	3000 4000
Light range	4320-10280
Power factor	0,96
Efficiency (%)	77,74
Expectancy	50000 h L70B10
DALI Option	✓
Continuous function 24h	✓
IP	20-44
Class	II
Ideal cut out (mm)	600x600 1200x300 1200x600

Opal diffuser

Other CRI values please contact us

 Always demand the technical datasheets of all the lighting products

Luzerna Avant



IP
44

CRI
>80 UGR
19 **114°**

Expectancy
50000 h.
L70B10

Efficiency (%)
77,74

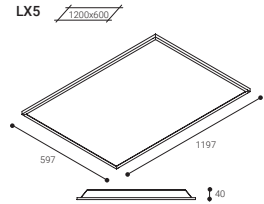
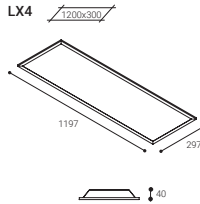
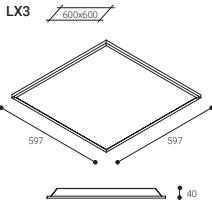
Photobiological security

RG0	0 Risk free
RG1+	Low risk
RG2	Moderate risk
RG3	High risk

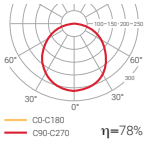
*Time under 3h.

Go to page 172 to learn more

○ RAL9016



Opal diffuser



	W	K	LUMEN	COLOUR	
LX33B	1x32W	3000	4320 lm	○	2,9
LX34B	1x32W	4000	5140 lm	○	2,9
LX43B	1x32W	3000	4320 lm	○	2,9
LX44B	1x32W	4000	5140 lm	○	2,9
LX53B	1x64W	3000	8640 lm	○	5,8
LX54B	1x64W	4000	10280 lm	○	5,8



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
LX33DB	1x32W	3000	4320 lm	○	2,9
LX34DB	1x32W	3000	4320 lm	○	2,9
LX43DB	1x32W	3000	4320 lm	○	2,9
LX44DB	1x32W	4000	5140 lm	○	2,9
LX53DB	1x64W	3000	8640 lm	○	5,8
LX54DB	1x64W	4000	10280 lm	○	5,8

NUMBER OF FITTINGS NEEDED FOR A STANDARD INSTALLATION

LX34

	200 lx	300 lx	500 lx
50 m ²	3	4	6
100 m ²	5	8	14
150 m ²	7	12	20
200 m ²	10	16	26

Height used for the calculation: 2,8 m

ACCESSORIES

NS3M	Kit for plaster embedded installation 600x600
NS4M	Kit for plaster embedded installation 1200x300
NS5M	Kit for plaster embedded installation 1200x600
LXKS	Kit for suspended installation (all models)
LXS3B	Kit for surface mounted 600x600
LXS4B	Kit for surface mounted 1200x600




Oqio

The Oqio luminaire is specifically designed to combine high light efficiency with visual comfort for any application.

Oqio is constructed in three pieces (high bright aluminium reflector, polycarbonate diffuser and galvanised sheet steel body) assembled without tools, which makes installation and maintenance very fast.

Oqio

Installation	Recessed in the ceiling
Diffuser	
Light source	LED
Photobiological safety	0
UGR	22
CRI	>80
MacAdam ellipse	3
Beam angle range	104
Power range (W)	40,2-60
Colour temperature (°K)	3000 4000
Light range	5580-6000
Power factor	0,98
Efficiency (%)	85,1
Expectancy	60000 h L70B10
DALI Option	✓
Continuous function 24h	✓
IP	20
Class	I
Ideal cut out (mm)	520 600x600

 Opal diffuser

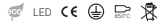


Other CRI values please contact us

Oqio



Recessed
in the ceiling



IP
20

CRI
>80

UGR
22

104°

Expectancy
60000 h.
L70B10

Efficiency (%)
85,1

Photobiological security

RG0	0 Risk free
RG1+	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

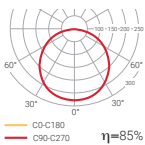
Go to page 172 to learn more



Ideal recess
Ø520
Circular cut

○ RAL9016

Opal diffuser

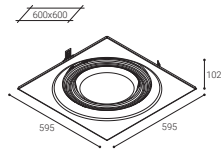


	W	K	LUMEN	COLOUR	
LED OQ53	1x40,2W	3000	5580 lm	○	2,3
LED OQ54	1x40,2W	4000	6000 lm	○	2,3



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
LED OQ53D	1x40,2W	3000	5580 lm	○	2,3
LED OQ54D	1x40,2W	4000	6000 lm	○	2,3



	W	K	LUMEN	COLOUR	
LED OQ53M	1x40,2W	3000	5580 lm	○	3,5
LED OQ54M	1x40,2W	4000	6000 lm	○	3,5



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
LED OQ53MD	1x40,2W	3000	5580 lm	○	3,5
LED OQ54MD	1x40,2W	4000	6000 lm	○	3,5



Eclipse

ECLIPSE is a large format suspended downlight for ceiling surface mounting. It is available in two versions: with or without a central hole.

ECLIPSE with a hole can be provided with either direct, indirect or direct/indirect.

Eclipse

Installation	Ceiling surface mounted Ceiling suspended mounted
Diffuser	<input type="radio"/>
Light source	LED
Photobiological safety	0
UGR	22
CRI	>80
MacAdam ellipse	3
Beam angle range	
Power range (W)	57-85,5
Colour temperature (°K)	3000 4000
Light range	9170-13750
Power factor	0,95
Efficiency (%)	
Expeancy	60000 h L70B10
DALI Option	✓
Continuous function 24h	✓
IP	20
Class	I

Opal diffuser



Other CRI values please contact us

Eclipse



Ceiling suspended mounted



LED CE RoHS

IP 20

CRI >80

UGR 22

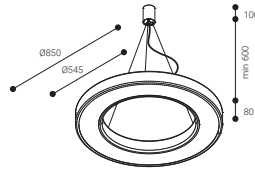
Expectancy
60000 h.
L70B10

Photobiological security

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

Go to page 172 to learn more



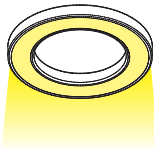
○ RAL9016

DIRECT LIGHT

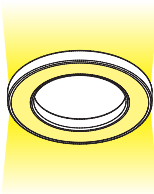
	W	K	LUMEN	COLOUR	
EC830B	1x57W	3000	9000 lm	○	-
EC840B	1x57W	4000	9170 lm	○	-

DIRECT/INDIRECT LIGHT

	W	K	LUMEN	COLOUR	
EC83MB	1x85,5W	3000	13500 lm	○	-
EC84MB	1x85,5W	4000	13750 lm	○	-



Direct light



Direct/indirect light



Compatible with **NormaLINK**

DIRECT LIGHT

	W	K	LUMEN	COLOUR	
EC830DB	1x57W	3000	9000 lm	○	-
EC840DB	1x57W	4000	9170 lm	○	-

DIRECT/INDIRECT LIGHT

	W	K	LUMEN	COLOUR	
EC83MDB	1x85,5W	3000	13500 lm	○	-
EC84MDB	1x85,5W	4000	13750 lm	○	-

Eclipse



Ceiling suspended mounted



Ceiling surface mounted



LED CE

IP
20

CRI
>80

UGR
22

Expectancy
60000 h.
L70B10

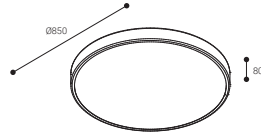
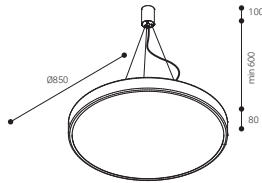
Photobiological security

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3 h.

○ RAL9016

Go to page 172 to learn more



DIRECT LIGHT

	W	K	LUMEN	INSTALLATION	COLOUR
EC83AB	1x63,2W	3000	11680 lm		○
EC83SB	1x63,2W	3000	11680 lm		○
EC84AB	1x63,2W	4000	12200 lm		○
EC84SB	1x63,2W	4000	12200 lm		○



Compatible with **NormaLINK**

DIRECT LIGHT

	W	K	LUMEN	INSTALLATION	COLOUR
EC83ADB	1x63,2W	3000	11680 lm		○
EC83SDB	1x63,2W	3000	11680 lm		○
EC84ADB	1x63,2W	4000	12200 lm		○
EC84SDB	1x63,2W	4000	12200 lm		○







Industrial

Markt	283
Blok	288
Blok R	289
Hermetic Line	291
Hermetic XL	293



Markt

MARKT is a linear lighting system for supermarkets and malls.

It has a connection system that allows continuous lighting line of pieces of two meters.

There are four different optics available that allows to direct the light wherever it is more convenient: Intensive (30°), medium (60°), extensive (90°) and double asymmetric (75°).

Markt

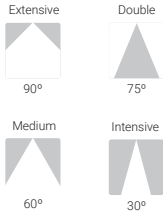
Installation	
Diffuser	☉
Light source	LED
Photobiological safety	1
UGR	19
CRI	>80
MacAdam ellipse	3
Beam angle range	30-90
Power range (W)	76,4-112,7
Colour temperature (°K)	3000 4000
Light range	12320-18410
Power factor	0,95
Efficiency (%)	89-96
Expectancy	60000 h L70B10
DALI Option	✓
Continuous function 24h	✓
IP	40
Class	I

☉ PMMA lens



Other CRI values please contact us

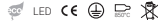
Markt



Ceiling suspended mounted



Ceiling surface mounted



IP 40

CRI >80

UGR 19

30-90°

Expectancy
60000 h.
L70B10

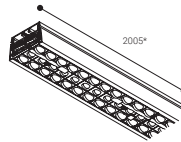
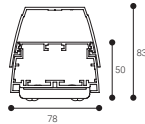
Efficiency (%)
89-96

Photobiological security

RG0	Risk free
RG1+	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3 h.

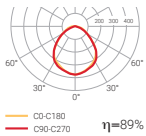
Go to page 172 to learn more



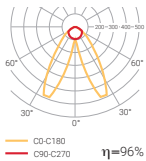
○ RAL9016
● RAL9011

*Customizable length by project

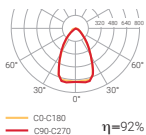
Extensive optics



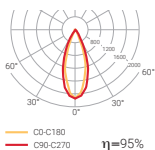
Double optics



Medium optics



Intensive optics



	W	K	LUMEN	Beam	OPTICS	COLOUR	Icon
LED MK7H3FB	1x112,7W	3000	17115 lm	90°	Extensive	○	5,1
LED MK7H3FN	1x112,7W	3000	17115 lm	90°	Extensive	●	5,1
LED MK7H3MB	1x112,7W	3000	17115 lm	60°	Medium	○	5,1
LED MK7H3MN	1x112,7W	3000	17115 lm	60°	Medium	●	5,1
LED MK7H3SB	1x112,7W	3000	17115 lm	30°	Intensive	○	5,1
LED MK7H3SN	1x112,7W	3000	17115 lm	30°	Intensive	●	5,1
LED MK7H3YB	1x112,7W	3000	17115 lm	75°	Double	○	5,1
LED MK7H3YN	1x112,7W	3000	17115 lm	75°	Double	●	5,1
LED MK7H4FB	1x112,7W	4000	18410 lm	90°	Extensive	○	5,1
LED MK7H4FN	1x112,7W	4000	18410 lm	90°	Extensive	●	5,1
LED MK7H4MB	1x112,7W	4000	18410 lm	60°	Medium	○	5,1
LED MK7H4MN	1x112,7W	4000	18410 lm	60°	Medium	●	5,1
LED MK7H4SB	1x112,7W	4000	18410 lm	30°	Intensive	○	5,1
LED MK7H4SN	1x112,7W	4000	18410 lm	30°	Intensive	●	5,1
LED MK7H4YB	1x112,7W	4000	18410 lm	75°	Double	○	5,1
LED MK7H4YN	1x112,7W	4000	18410 lm	75°	Double	●	5,1
LED MK7L3FB	1x76,4W	3000	12320 lm	90°	Extensive	○	5,1
LED MK7L3FN	1x76,4W	3000	12320 lm	90°	Extensive	●	5,1
LED MK7L3MB	1x76,4W	3000	12320 lm	60°	Medium	○	5,1
LED MK7L3MN	1x76,4W	3000	12320 lm	60°	Medium	●	5,1
LED MK7L3SB	1x76,4W	3000	12320 lm	30°	Intensive	○	5,1
LED MK7L3SN	1x76,4W	3000	12320 lm	30°	Intensive	●	5,1
LED MK7L3YB	1x76,4W	3000	12320 lm	75°	Double	○	5,1
LED MK7L3YN	1x76,4W	3000	12320 lm	75°	Double	●	5,1
LED MK7L4FB	1x76,4W	4000	13230 lm	90°	Extensive	○	5,1
LED MK7L4FN	1x76,4W	4000	13230 lm	90°	Extensive	●	5,1
LED MK7L4MB	1x76,4W	4000	13230 lm	60°	Medium	○	5,1
LED MK7L4MN	1x76,4W	4000	13230 lm	60°	Medium	●	5,1
LED MK7L4SB	1x76,4W	4000	13230 lm	30°	Intensive	○	5,1
LED MK7L4SN	1x76,4W	4000	13230 lm	30°	Intensive	●	5,1
LED MK7L4YB	1x76,4W	4000	13230 lm	75°	Double	○	5,1
LED MK7L4YN	1x76,4W	4000	13230 lm	75°	Double	●	5,1

Markt

IP
40

CRI
>80

UGR
19

30-90°

Expectancy
60000 h.
L70B10

Efficiency (%)
89-96

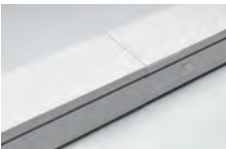
Photobiological security

RG0	Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

Go to page 172 to learn more

- RAL9016
- RAL9011



Compatible with **NormaLINK**

	W	K	LUMEN		OPTICS	COLOUR	
MK7H3DFB	1x112,7W	3000	17115 lm	90°	Extensive	<input type="radio"/>	5,1
MK7H3DFN	1x112,7W	3000	17115 lm	90°	Extensive	<input checked="" type="radio"/>	5,1
MK7H3DMB	1x112,7W	3000	17115 lm	60°	Medium	<input type="radio"/>	5,1
MK7H3DMN	1x112,7W	3000	17115 lm	60°	Medium	<input checked="" type="radio"/>	5,1
MK7H3DSB	1x112,7W	3000	17115 lm	30°	Intensive	<input type="radio"/>	5,1
MK7H3DSN	1x112,7W	3000	17115 lm	30°	Intensive	<input checked="" type="radio"/>	5,1
MK7H3DYB	1x112,7W	3000	17115 lm	75°	Double	<input type="radio"/>	5,1
MK7H3DYN	1x112,7W	3000	17115 lm	75°	Double	<input checked="" type="radio"/>	5,1
MK7H4DFB	1x112,7W	4000	18410 lm	90°	Extensive	<input type="radio"/>	5,1
MK7H4DFN	1x112,7W	4000	18410 lm	90°	Extensive	<input checked="" type="radio"/>	5,1
MK7H4DMB	1x112,7W	4000	18410 lm	60°	Medium	<input type="radio"/>	5,1
MK7H4DMN	1x112,7W	4000	18410 lm	60°	Medium	<input checked="" type="radio"/>	5,1
MK7H4DSB	1x112,7W	4000	18410 lm	30°	Intensive	<input type="radio"/>	5,1
MK7H4DSN	1x112,7W	4000	18410 lm	30°	Intensive	<input checked="" type="radio"/>	5,1
MK7H4DYB	1x112,7W	4000	18410 lm	75°	Double	<input type="radio"/>	5,1
MK7H4DYN	1x112,7W	4000	18410 lm	75°	Double	<input checked="" type="radio"/>	5,1
MK7L3DFB	1x76,4W	3000	12320 lm	90°	Extensive	<input type="radio"/>	5,1
MK7L3DFN	1x76,4W	3000	12320 lm	90°	Extensive	<input checked="" type="radio"/>	5,1
MK7L3DMB	1x76,4W	3000	12320 lm	60°	Medium	<input type="radio"/>	5,1
MK7L3DMN	1x76,4W	3000	12320 lm	60°	Medium	<input checked="" type="radio"/>	5,1
MK7L3DSB	1x76,4W	3000	12320 lm	30°	Intensive	<input type="radio"/>	5,1
MK7L3DSN	1x76,4W	3000	12320 lm	30°	Intensive	<input checked="" type="radio"/>	5,1
MK7L3DYB	1x76,4W	3000	12320 lm	75°	Double	<input type="radio"/>	5,1
MK7L3DYN	1x76,4W	3000	12320 lm	75°	Double	<input checked="" type="radio"/>	5,1
MK7L4DFB	1x76,4W	4000	13230 lm	90°	Extensive	<input type="radio"/>	5,1
MK7L4DFN	1x76,4W	4000	13230 lm	90°	Extensive	<input checked="" type="radio"/>	5,1
MK7L4DMB	1x76,4W	4000	13230 lm	60°	Medium	<input type="radio"/>	5,1
MK7L4DMN	1x76,4W	4000	13230 lm	60°	Medium	<input checked="" type="radio"/>	5,1
MK7L4DSB	1x76,4W	4000	13230 lm	30°	Intensive	<input type="radio"/>	5,1
MK7L4DSN	1x76,4W	4000	13230 lm	30°	Intensive	<input checked="" type="radio"/>	5,1
MK7L4DYB	1x76,4W	4000	13230 lm	75°	Double	<input type="radio"/>	5,1
MK7L4DYN	1x76,4W	4000	13230 lm	75°	Double	<input checked="" type="radio"/>	5,1





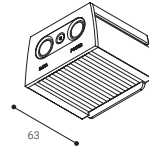
DALI 2 option please contact us



ACCESSORIES

Power supply

	COLOUR
 MKIB	○
MKIN	●
 MKIDB	○
MKIDN	●

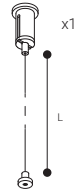


End cover


	COLOUR
MKFB	○
MKFN	●

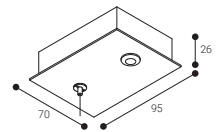
Suspension accessory

	L (m)
1029L2	2
1029L4	4



Connection box and power supply cable

	POWER SUPPLY CABLE LENGHT	COLOUR
ETC1029B	2	○
ETC1029N	2	●
ETC10294MB	4	○
ETC10294MN	4	●
 ETC10295PB	2	○
ETC10295PN	2	●
ETC10295P4MB	4	○
ETC10295P4MN	4	●



Blok

BLOK is an industrial luminaire for use in high open spaces. Its different optics optimize the savings in the number of luminaires and the total consumption in the installation.

There are two different shapes available: square (Blok) and round (Blok R).

There are three different optics available:

- Intensive (30°)
- Medium (60°)
- Extensive (90°)





Blok

Blok R

Installation	Ceiling surface mounted Ceiling suspended mounted	Ceiling suspended mounted
Diffuser	☼	☼
Light source	LED	LED
Photobiological safety	1	1
UGR	22	22
CRI	>80	>80
MacAdam ellipse	3	3
Beam angle range	30-90	30-90
Power range (W)	154	154
Colour temperature (°K)	5000	5000
Light range	21000	21000
Power factor	0,95	0,95
Efficiency (%)	85-89,4	85-89,4
Expectancy	60000 h L70B10	60000 h L70B10
DALI Option	✓	✓
Continuous function 24h	✓	✓
IP	67	67
Class	I	I

☼ PMMA lens



Other CRI values please contact us



Blok



Ceiling suspended mounted



Ceiling surface mounted

LED CE RoHS ENEC

IP 67

CRI >80

UGR 22

30-90°

Expectancy
60000 h.
L70B10

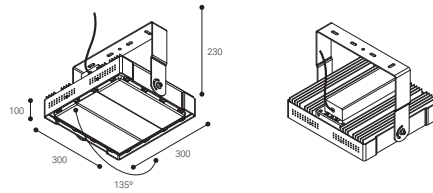
Efficiency (%)
85-89,4

Photobiological security

RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

Go to page 172 to learn more

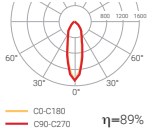


● RAL9011

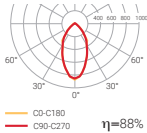


Compatible with **NormaLINK**

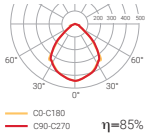
Intensive optics



Medium optics



Extensive optics



	W	K	LUMEN		OPTICS	COLOUR	
LED BKA205DSN	1x154W	5000	21000 lm	30°	Intensive	●	5,6
LED BKA205DMN	1x154W	5000	21000 lm	60°	Medium	●	5,6
LED BKA205DFN	1x154W	5000	21000 lm	90°	Extensive	●	5,6

Blok R



Ceiling suspended mounted



LED CE RoHS IP67

IP 67

CRI >80

UGR 22

30-90°

Expectancy
60000 h.
L70B10

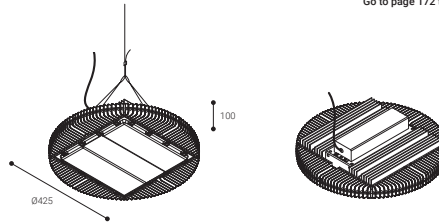
Efficiency (%)
85-89,4

Photobiological security

RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

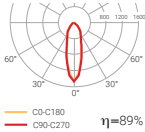
*Time under 3h.

Go to page 172 to learn more

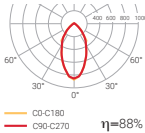


Compatible with **NormaLINK**

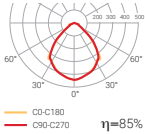
Intensive optics



Medium optics



Extensive optics



	W	K	LUMEN		OPTICS	COLOUR	
LED BRS205DSN	1x154W	5000	21000 lm	30°	Intensive	●	5,6
LED BRS205DMN	1x154W	5000	21000 lm	60°	Medium	●	5,6
LED BRS205DFN	1x154W	5000	21000 lm	90°	Extensive	●	5,6



Hermetic Line

HERMETIC LINE is a watertight IP66 luminaire. It is ideal for basements, garages or any industrial activity.

The extruded polycarbonate body can be adjusted to any length.

It is possible to install them in line thanks to the wire entry in both sides.



Hermetic Line

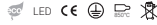
Installation	Ceiling surface mounted Wall surface mounted
Diffuser	○
Light source	LED
Photobiological safety	0
UGR	22
CRI	>80
MacAdam ellipse	3
Beam angle range	110
Power range (W)	13,4-57
Colour temperature (°K)	4000
Light range	1680-7740
Power factor	0,95
Efficiency (%)	78,4
Expectancy	70000 h L70B10
DALI Option	✓
Continuous function 24h	✓
IP	66
Class	I

○ Opal diffuser



Other CRI values please contact us

Hermetic Line



IP 66

CRI >80

UGR 22

110°

Expectancy
70000 h.
L70B10

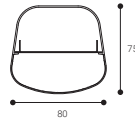
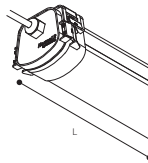
Efficiency (%)
78,4

Photobiological security

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

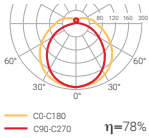
*Time under 3h.

Go to page 172 to learn more



● RAL9006

Opal diffuser



CONNECTION IN ONE SIDE

	W	K	LUMEN	COLOUR	L(mm)	⚙️
LED DLN2H	1x19W	4000	2580 lm	●	690	1,3
LED DLN2L	1x13,4W	4000	1680 lm	●	690	1,3
LED DLN4H	1x37W	4000	5160 lm	●	1250	2,5
LED DLN4L	1x26,8W	4000	3360 lm	●	1250	2,5
LED DLN5H	1x47,5W	4000	6450 lm	●	1530	3,1
LED DLN5L	1x33,5W	4000	4200 lm	●	1530	3,1
LED DLN6H	1x57W	4000	7740 lm	●	1810	3,7
LED DLN6L	1x40,2W	4000	5040 lm	●	1810	3,7

! IP66 IN INTERIORS

! CABLE ENTRY IN BOTH ENDS, POSSIBILITY OF LINEAR MOUNTING (except ref. DLn- that only has one cable entry).

CONNECTION ON BOTH SIDES (LINEAR INSTALLATION)

	W	K	LUMEN	COLOUR	L(mm)	⚙️
LED DL2H	1x19W	4000	2580 lm	●	690	1,3
LED DL2L	1x13,4W	4000	1680 lm	●	690	1,3
LED DL4H	1x37W	4000	5160 lm	●	1250	2,5
LED DL4L	1x26,8W	4000	3360 lm	●	1250	2,5
LED DL5H	1x47,5W	4000	6450 lm	●	1530	3,1
LED DL5L	1x33,5W	4000	4200 lm	●	1530	3,1
LED DL6H	1x57W	4000	7740 lm	●	1810	3,7
LED DL6L	1x40,2W	4000	5040 lm	●	1810	3,7



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	L(mm)	⚙️
LED DL2HD	1x19W	4000	2580 lm	●	690	1,3
LED DL2LD	1x13,4W	4000	1680 lm	●	690	1,3
LED DL4HD	1x37W	4000	5160 lm	●	1250	2,5
LED DL4LD	1x26,8W	4000	3360 lm	●	1250	2,5
LED DL5HD	1x47,5W	4000	6450 lm	●	1530	3,1
LED DL5LD	1x33,5W	4000	4200 lm	●	1530	3,1
LED DL6HD	1x57W	4000	7740 lm	●	1810	3,7
LED DL6LD	1x40,2W	4000	5040 lm	●	1810	3,7



Hermetic XL

HERMETIC XL is a watertight (IP66) luminaire which is ideal for basements, garages or any industrial activity. Specifically designed with LED technology, it incorporates the new and revolutionary quick installation system which improves installation time and optimises maintenance work.

Hermetic XL

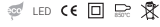
Installation	Ceiling surface mounted Wall surface mounted
Diffuser	○
Light source	LED
Photobiological safety	0
UGR	22
CRI	>80
MacAdam ellipse	3
Beam angle range	110
Power range (W)	13,4-28,5
Colour temperature (°K)	4000
Light range	1680-3870
Power factor	0,95
Efficiency (%)	80,1
Expectancy	70000 h L70B10
DALI Option	
Continuous function 24h	✓
IP	66
Class	II

○ Opal diffuser



Other CRI values please contact us

Hermetic XL



IP 66

CRI >80

UGR 22

110°

Expectancy **70000 h.**
L70B10

Efficiency (%) **80,1**

Photobiological security

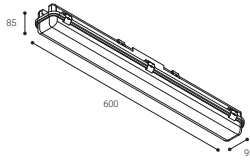
RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

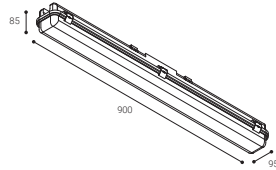
Go to page 172 to learn more

● RAL9006

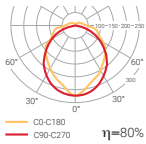
DE2



DE3



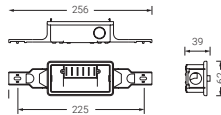
Opal diffuser



	W	K	LUMEN	COLOUR	⚠
LED DE2H	1x19W	4000	2580 lm	●	1,2
LED DE2L	1x13,4W	4000	1680 lm	●	1,2
LED DE3H	1x28,5W	4000	3870 lm	●	1,8
LED DE3L	1x20,1W	4000	2520 lm	●	1,8



DALI REGULATION AVAILABLE



QUICK INSTALLATION



For version for refrigerating chambers, please contact us.



Structures

U-Line	298
Linnea	302
Linnea Mixto	304
Trazzo Avant	307
Trazzo 70	312
Trazzo Mixto	324
Cosmos	331
Contelux	335
Sycom	339
Essentia	343
Coral	345
Zafiro	347

U-Line


U-LINE is a minimalist linear system for suspended installation which can be integrated into any space surprisingly easily.

It has a 360° light rotation system that makes it an extremely versatile luminaire.

U-LINE can be installed in continuous strips by means of an installation accessory.

The luminaire consists of the power supply connection (available in different power and colors) and the light source itself (available in different powers and temperature colors).

U-Line

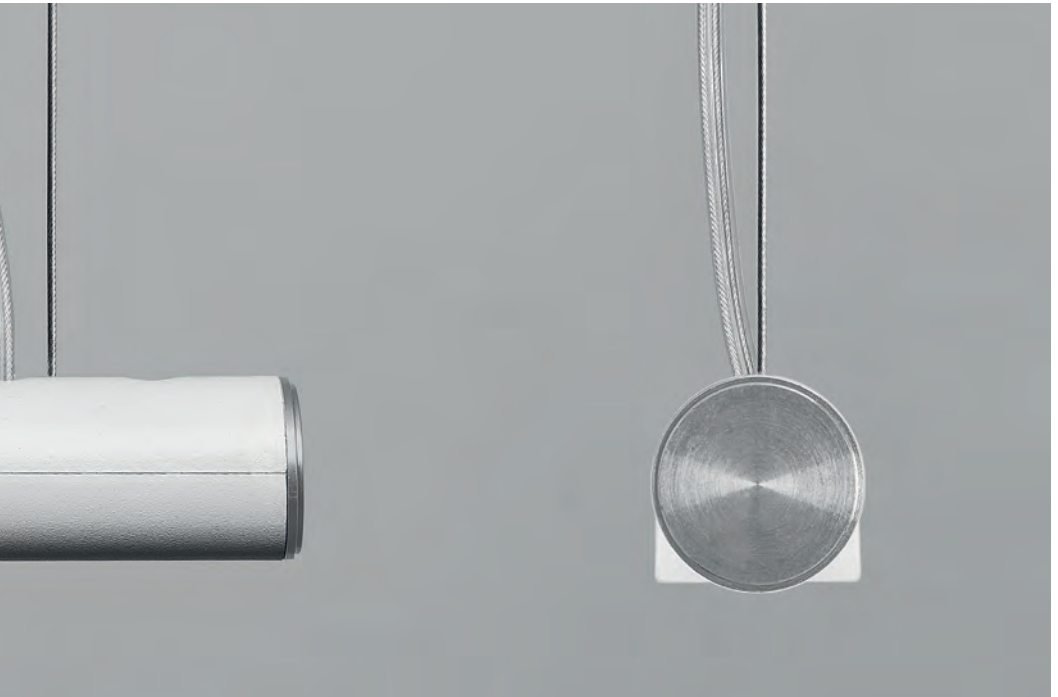
Installation	Ceiling suspended mounted
Diffuser	
Light source	LED
Photobiological safety	0
UGR	19
CRI	>80
MacAdam ellipse	3
Beam angle range	80
Power range (W)	23-34,6
Colour temperature (°K)	3000 4000
Light range	2480-3960
Power factor	0,95
Efficiency (%)	72
Expectancy	70000 h L70B10
DALI Option	✓
Continuous function 24h	✓
IP	30
Class	I

 Opal diffuser



Other CRI values please contact us

REAL SIZE OF THE LUMINAIRE



U-Line



Ceiling suspended mounted



LED CE

IP **30**

CRI **>80**

UGR **19**

80°

Expectancy
70000 h.
L70B10

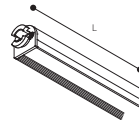
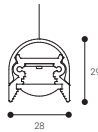
Efficiency (%)
72

Photobiological security

RG0	0 Risk free
RG1+	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

Go to page 172 to learn more

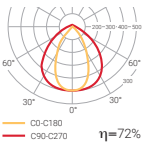


- RAL9016
- RAL9011



For other lengths and powers, please contact us.

Opal diffuser

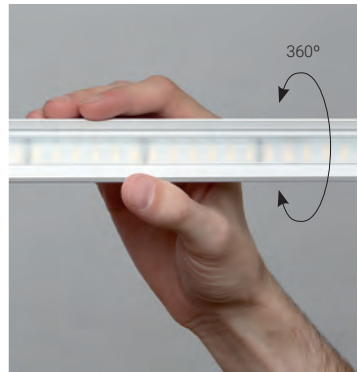
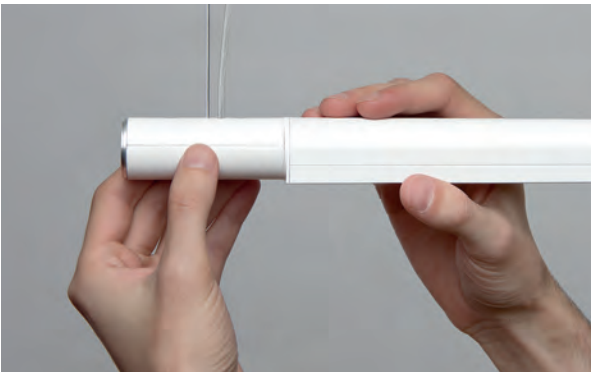


	W	K	LUMEN	COLOUR	L(mm)	
UL43B	1x23W	3000	2480 lm	○	1200	1,4
UL43N	1x23W	3000	2480 lm	●	1200	1,4
UL44B	1x23W	4000	2640 lm	○	1200	1,4
UL44N	1x23W	4000	2640 lm	●	1200	1,4
UL63B	1x34,6W	3000	3720 lm	○	1760	2,0
UL63N	1x34,6W	3000	3720 lm	●	1760	2,0
UL64B	1x34,6W	4000	3960 lm	○	1760	2,0
UL64N	1x34,6W	4000	3960 lm	●	1760	2,0



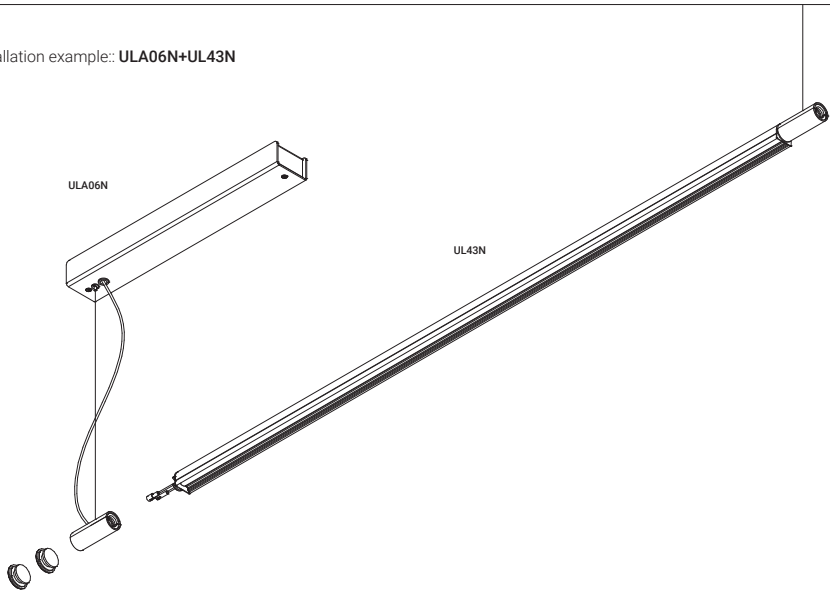
ULA power supply accessory not included

ORIENTABLE 360°



U-Line

Basic installation example: **ULA06N+UL43N**



ACCESSORIES

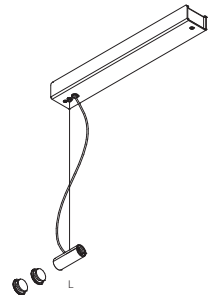
Power supply

	W	L	COLOUR
ULA06B	35	70	○
ULA06N	35	70	●
ULA10B	60	70	○
ULA10N	60	70	●
ULA16B	96	70	○
ULA16N	96	70	●

Power supply

Compatible with **NormaLINK** 

	W	L	COLOUR
ULA06DB	35	70	○
ULA06DN	35	70	●
ULA10DB	60	70	○
ULA10DN	60	70	●
ULA16DB	100	70	○
ULA16DN	100	70	●



The number of power connections depends on the W in the installation.





Linnea

LINNEA is a linear luminaire built with an extruded aluminium profile for suspended installation, installation mounted to the ceiling or recessed installation.

It stands out thanks to its minimal design and its microprismatic diffuser which generates very homogeneous lighting with optimal visual comfort.

As a new product, the range is increased with a LINNEA MIXTO version, with direct / Indirect lighting.

	Linnea	Linnea Mixto
Installation	Ceiling surface mounted Ceiling suspended mounted Recessed in the ceiling	Ceiling suspended mounted
Diffuser		
Light source	LED	LED
Photobiological safety	0	0
UGR	19	19
CRI	>80	>80
MacAdam ellipse	3	3
Beam angle range	90-101	
Power range (W)	26,8-57	46,9-104,5
Colour temperature (°K)	3000 4000	3000 4000
Light range	3720-9000	6510-16500
Power factor	0,95	0,95
Efficiency (%)	61,1	64,6
Expectancy	60000 h L70B10	60000 h L70B10
DALI Option	✓	✓
Continuous function 24h	✓	✓
IP	20-44	30
Class	I	I

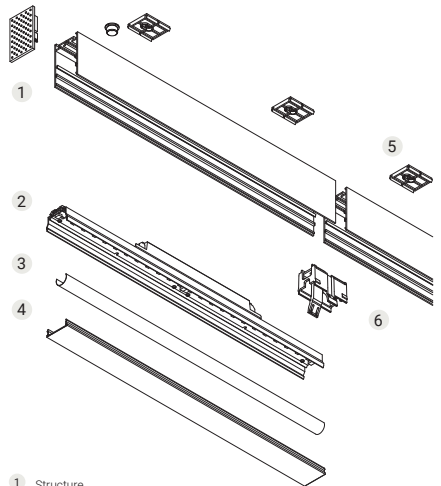
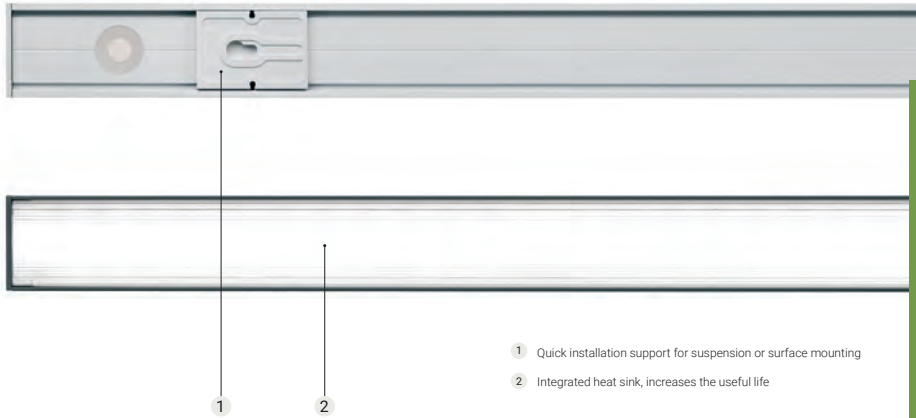


Always demand the technical datasheets of all the lighting products.

 Microprismatic diffuser



Other CRI values please contact us



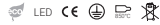
Linnea



Ceiling surface mounted



Ceiling suspended mounted

IP
20-44CRI
>80UGR
19

90-101°

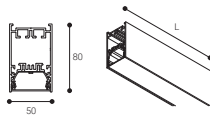
Expectancy
60000 h.
L70B10Efficiency (%)
61,1

Photobiological security

RG0	0 Risk free
RG1+	Low risk
RG2	Moderate risk
RG3	High risk

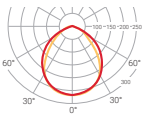
*Time under 3h.

Go to page 172 to learn more



- RAL9016
- RAL9006

Micropismatic diffuser



— C0-C180
— C90-C270
 $\eta=61\%$

	W	K	LUMEN	COLOUR	L(mm)	⊗
LED LI4H3OB	1x38W	3000	5600 lm	○	1125	2,7
LED LI4H3OG	1x38W	3000	5600 lm	●	1125	2,7
LED LI4H4OB	1x38W	4000	6000 lm	○	1125	2,7
LED LI4H4OG	1x38W	4000	6000 lm	●	1125	2,7
LED LI4L3OB	1x26,8W	3000	3720 lm	○	1125	2,7
LED LI4L3OG	1x26,8W	3000	3720 lm	●	1125	2,7
LED LI4L4OB	1x26,8W	4000	4000 lm	○	1125	2,7
LED LI4L4OG	1x26,8W	4000	4000 lm	●	1125	2,7
LED LI6H3OB	1x57W	3000	8400 lm	○	1685	4,1
LED LI6H3OG	1x57W	3000	8400 lm	●	1685	4,1
LED LI6H4OB	1x57W	4000	9000 lm	○	1685	4,1
LED LI6H4OG	1x57W	4000	9000 lm	●	1685	4,1
LED LI6L3OB	1x40,2W	3000	5580 lm	○	1685	4,1
LED LI6L3OG	1x40,2W	3000	5580 lm	●	1685	4,1
LED LI6L4OB	1x40,2W	4000	6000 lm	○	1685	4,1
LED LI6L4OG	1x40,2W	4000	6000 lm	●	1685	4,1

Compatible with **NormaLINK**

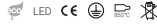
	W	K	LUMEN	COLOUR	L(mm)	⊗
LED LI4H3DOB	1x38W	3000	5600 lm	○	1125	2,7
LED LI4H3DOG	1x38W	3000	5600 lm	●	1125	2,7
LED LI4H4DOB	1x38W	4000	6000 lm	○	1125	2,7
LED LI4H4DOG	1x38W	4000	6000 lm	●	1125	2,7
LED LI4L3DOB	1x26,8W	3000	3720 lm	○	1125	2,7
LED LI4L3DOG	1x26,8W	3000	3720 lm	●	1125	2,7
LED LI4L4DOB	1x26,8W	4000	4000 lm	○	1125	2,7
LED LI4L4DOG	1x26,8W	4000	4000 lm	●	1125	2,7
LED LI6H3DOB	1x57W	3000	8400 lm	○	1685	4,1
LED LI6H3DOG	1x57W	3000	8400 lm	●	1685	4,1
LED LI6H4DOB	1x57W	4000	9000 lm	○	1685	4,1
LED LI6H4DOG	1x57W	4000	9000 lm	●	1685	4,1
LED LI6L3DOB	1x40,2W	3000	5580 lm	○	1685	4,1
LED LI6L3DOG	1x40,2W	3000	5580 lm	●	1685	4,1
LED LI6L4DOB	1x40,2W	4000	6000 lm	○	1685	4,1
LED LI6L4DOG	1x40,2W	4000	6000 lm	●	1685	4,1

It is recommended the use of suspensions for every 700 mm in linear mounting of the ref. LI4L and every 1500mm in the ref. LI6L.



DALI 2 option please contact us

Linnea



IP
20-44

CRI
>80

UGR
19

90-101°

Expectancy
60000 h.
L70B10

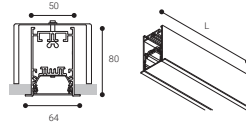
Efficiency (%)
61,1

Photobiological security

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

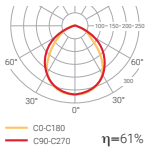
*Time under 3h.

Go to page 172 to learn more



○ RAL 9016
● RAL 9006

Microprismatic diffuser



	W	K	LUMEN	COLOUR	L(mm)	
LED LE4H3OB	1x38W	3000	5600 lm	○	1125	2,9
LED LE4H3OG	1x38W	3000	5600 lm	●	1125	2,9
LED LE4H4OB	1x38W	4000	6000 lm	○	1125	2,9
LED LE4H4OG	1x38W	4000	6000 lm	●	1125	2,9
LED LE4L3OB	1x26,8W	3000	3720 lm	○	1125	2,9
LED LE4L3OG	1x26,8W	3000	3720 lm	●	1125	2,9
LED LE4L4OB	1x26,8W	4000	4000 lm	○	1125	2,9
LED LE4L4OG	1x26,8W	4000	4000 lm	●	1125	2,9
LED LE6H3OB	1x57W	3000	8400 lm	○	1685	4,3
LED LE6H3OG	1x57W	3000	8400 lm	●	1685	4,3
LED LE6H4OB	1x57W	4000	9000 lm	○	1685	4,3
LED LE6H4OG	1x57W	4000	9000 lm	●	1685	4,3
LED LE6L3OB	1x40,2W	3000	5580 lm	○	1685	4,3
LED LE6L3OG	1x40,2W	3000	5580 lm	●	1685	4,3
LED LE6L4OB	1x40,2W	4000	6000 lm	○	1685	4,3
LED LE6L4OG	1x40,2W	4000	6000 lm	●	1685	4,3

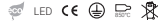


Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	L(mm)	
LED LE4H3DOB	1x38W	3000	5600 lm	○	1125	2,9
LED LE4H3DOG	1x38W	3000	5600 lm	●	1125	2,9
LED LE4H4DOB	1x38W	4000	6000 lm	○	1125	2,9
LED LE4H4DOG	1x38W	4000	6000 lm	●	1125	2,9
LED LE4L3DOB	1x26,8W	3000	3720 lm	○	1125	2,9
LED LE4L3DOG	1x26,8W	3000	3720 lm	●	1125	2,9
LED LE4L4DOB	1x26,8W	4000	4000 lm	○	1125	2,9
LED LE4L4DOG	1x26,8W	4000	4000 lm	●	1125	2,9
LED LE6H3DOB	1x57W	3000	8400 lm	○	1685	4,35
LED LE6H3DOG	1x57W	3000	8400 lm	●	1685	4,35
LED LE6H4DOB	1x57W	4000	9000 lm	○	1685	4,35
LED LE6H4DOG	1x57W	4000	9000 lm	●	1685	4,35
LED LE6L3DOB	1x40,2W	3000	5580 lm	○	1685	4,35
LED LE6L3DOG	1x40,2W	3000	5580 lm	●	1685	4,35
LED LE6L4DOB	1x40,2W	4000	6000 lm	○	1685	4,35
LED LE6L4DOG	1x40,2W	4000	6000 lm	●	1685	4,35

DALI 2 option please contact us

Linnea Mixto

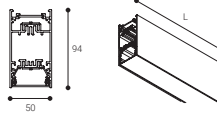
Ceiling suspended
mountedIP
30CRI
>80UGR
19Expectancy
60000 h.
L70B10Efficiency (%)
64,6

Photobiological security

RG0	0 Risk free
RG1+	Low risk
RG2	Moderate risk
RG3	High risk

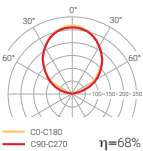
*Time under 3h.

Go to page 172 to learn more

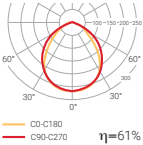


○ RAL9016
● RAL9006

Indirect lighting



Direct lighting



	W	K	LUMEN	COLOUR	L(mm)	
LED LM4H3OB	1x66,5W	3000	9800 lm	○	1125	3,3
LED LM4H3OG	1x66,5W	3000	9800 lm	●	1125	3,3
LED LM4H4OB	1x66,5W	4000	10500 lm	○	1125	3,3
LED LM4H4OG	1x66,5W	4000	10500 lm	●	1125	3,3
LED LM4L3OB	1x46,9W	3000	6510 lm	○	1125	3,3
LED LM4L3OG	1x46,9W	3000	6510 lm	●	1125	3,3
LED LM4L4OB	1x46,9W	4000	7000 lm	○	1125	3,3
LED LM4L4OG	1x46,9W	4000	7000 lm	●	1125	3,3
LED LM6H3OB	1x104,5W	3000	15400 lm	○	1685	4,9
LED LM6H3OG	1x104,5W	3000	15400 lm	●	1685	4,9
LED LM6H4OB	1x104,5W	4000	16500 lm	○	1685	4,9
LED LM6H4OG	1x104,5W	4000	16500 lm	●	1685	4,9
LED LM6L3OB	1x73,7W	3000	10230 lm	○	1685	4,9
LED LM6L3OG	1x73,7W	3000	10230 lm	●	1685	4,9
LED LM6L4OB	1x73,7W	4000	11000 lm	○	1685	4,9
LED LM6L4OG	1x73,7W	4000	11000 lm	●	1685	4,9

Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	L(mm)	
LED LM4H3DOB	1x66,5W	3000	9800 lm	○	1125	3,3
LED LM4H3DOG	1x66,5W	3000	9800 lm	●	1125	3,3
LED LM4H4DOB	1x66,5W	4000	10500 lm	○	1125	3,3
LED LM4H4DOG	1x66,5W	4000	10500 lm	●	1125	3,3
LED LM4L3DOB	1x46,9W	3000	6510 lm	○	1125	3,3
LED LM4L3DOG	1x46,9W	3000	6510 lm	●	1125	3,3
LED LM4L4DOB	1x46,9W	4000	7000 lm	○	1125	3,3
LED LM4L4DOG	1x46,9W	4000	7000 lm	●	1125	3,3
LED LM6H3DOB	1x104,5W	3000	15400 lm	○	1685	4,9
LED LM6H3DOG	1x104,5W	3000	15400 lm	●	1685	4,9
LED LM6H4DOB	1x104,5W	4000	16500 lm	○	1685	4,9
LED LM6H4DOG	1x104,5W	4000	16500 lm	●	1685	4,9
LED LM6L3DOB	1x73,7W	3000	10230 lm	○	1685	4,9
LED LM6L3DOG	1x73,7W	3000	10230 lm	●	1685	4,9
LED LM6L4DOB	1x73,7W	4000	11000 lm	○	1685	4,9
LED LM6L4DOG	1x73,7W	4000	11000 lm	●	1685	4,9



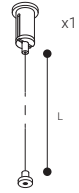
DALI 2 option please contact us

Linnea and Linnea Mixto


ACCESSORIES

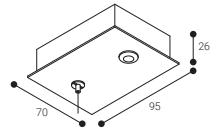
Suspension accessory

	L (m)
1029L2	2
1029L4	4



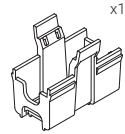
Connection box and power supply cable

	POWER SUPPLY CABLE LENGTH	COLOUR
ETC1029B	2	○
ETC1029G	2	●
ETC10294MB	4	○
ETC10294MG	4	●
 ETC10295PB	2	○
ETC10295PG	2	●
ETC10295P4MB	4	○
ETC10295P4MG	4	●



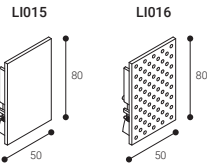
Joining accessory

	COLOUR
LI014	○
 LI014SP	○



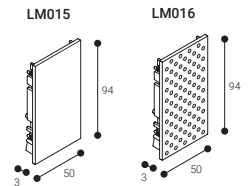
End cover Linnea

	COLOUR
LI015B	○
LI015G	●
LI016B	○
LI016G	●



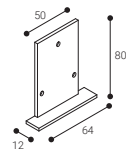
End cover Linnea Mixto

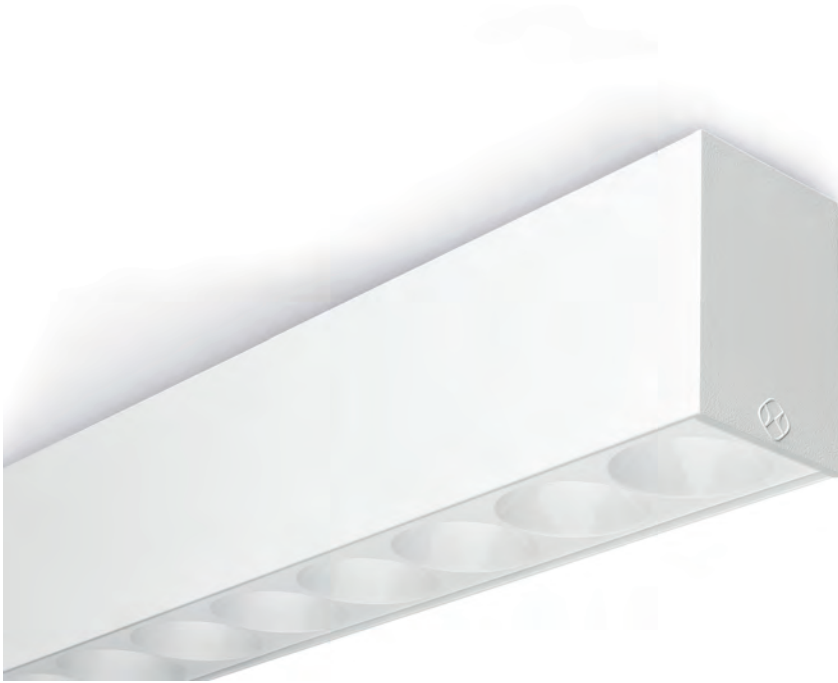
	COLOUR
LM015B	○
LM015G	●
LM016B	○
LM016G	●



End cover recessed model

	COLOUR
LE016B	○
LE016G	●





Trazzo Avant

TRAZZO AVANT is a linear system for surface or suspended installation. Made of extruded aluminium, it is available in pieces of 1125 and 1685 mm long. The new LED multi reflector system improves the visual confort of the luminaire.

Trazzo Avant

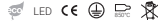
Installation	Ceiling suspended mounted Ceiling surface mounted
Diffuser	<input type="radio"/> <input type="radio"/>
Light source	LED
Photobiological safety	0
UGR	16 22
CRI	>80
MacAdam ellipse	3
Beam angle range	100
Power range (W)	24-64
Colour temperature (°K)	3000 4000
Light range	3380-9000
Power factor	0,95
Efficiency (%)	54,2 82
Expectancy	60000 h L70B10
DALI Option	✓
Continuous function 24h	✓
IP	30
Class	I

Without diffuser Opal diffuser

! Always demand the technical datasheets of all the lighting products.

! Other CRI values please contact us

Trazzo Avant

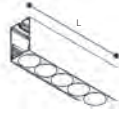
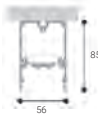
Ceiling surface
mountedCeiling suspended
mounted**N**
NewIP
30CRI
>80UGR
16
100°Expectancy
60000 h.
L70B10Efficiency (%)
82

Photobiological security

RG0	0 Risk free
RG1+	Low risk
RG2	Moderate risk
RG3	High risk

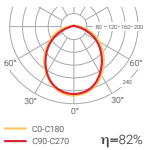
*Time under 3h.

Go to page 172 to learn more



- RAL9016
- RAL9011

Without diffuser

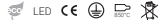


	W	K	LUMEN	COLOUR	L(mm)	
LED TX4H3RB	1x36W	3000	4990 lm	○	1125	2,5
LED TX4H3RN	1x36W	3000	4990 lm	●	1125	2,5
LED TX4H4RB	1x36W	4000	5365 lm	○	1125	2,5
LED TX4H4RN	1x36W	4000	5365 lm	●	1125	2,5
LED TX4L3RB	1x24W	3000	3380 lm	○	1125	2,5
LED TX4L3RN	1x24W	3000	3380 lm	●	1125	2,5
LED TX4L4RB	1x24W	4000	3620 lm	○	1125	2,5
LED TX4L4RN	1x24W	4000	3620 lm	●	1125	2,5
LED TX6H3RB	1x64W	3000	7500 lm	○	1685	3,7
LED TX6H3RN	1x64W	3000	7500 lm	●	1685	3,7
LED TX6H4RB	1x64W	4000	8070 lm	○	1685	3,7
LED TX6H4RN	1x64W	4000	8070 lm	●	1685	3,7
LED TX6L3RB	1x36W	3000	5070 lm	○	1685	3,7
LED TX6L3RN	1x36W	3000	5070 lm	●	1685	3,7
LED TX6L4RB	1x36W	4000	5450 lm	○	1685	3,7
LED TX6L4RN	1x36W	4000	5450 lm	●	1685	3,7

Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	L(mm)	
LED TX4H3DRB	1x36W	3000	4990 lm	○	1125	2,5
LED TX4H3DRN	1x36W	3000	4990 lm	●	1125	2,5
LED TX4H4DRB	1x36W	4000	5365 lm	○	1125	2,5
LED TX4H4DRN	1x36W	4000	5365 lm	●	1125	2,5
LED TX4L3DRB	1x24W	3000	3380 lm	○	1125	2,5
LED TX4L3DRN	1x24W	3000	3380 lm	●	1125	2,5
LED TX4L4DRB	1x24W	4000	3620 lm	○	1125	2,5
LED TX4L4DRN	1x24W	4000	3620 lm	●	1125	2,5
LED TX6H3DRB	1x64W	3000	7500 lm	○	1685	3,7
LED TX6H3DRN	1x64W	3000	7500 lm	●	1685	3,7
LED TX6H4DRB	1x64W	4000	8070 lm	○	1685	3,7
LED TX6H4DRN	1x64W	4000	8070 lm	●	1685	3,7
LED TX6L3DRB	1x36W	3000	5070 lm	○	1685	3,7
LED TX6L3DRN	1x36W	3000	5070 lm	●	1685	3,7
LED TX6L4DRB	1x36W	4000	5450 lm	○	1685	3,7
LED TX6L4DRN	1x36W	4000	5450 lm	●	1685	3,7

Trazzo Avant

Ceiling surface
mountedCeiling suspended
mountedIP
30CRI
>80UGR
22

100°

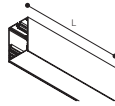
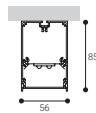
Expectancy
60000 h.
L70B10Efficiency (%)
82

Photobiological security

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

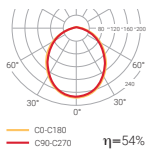
Go to page 172 to learn more



- RAL9016
● RAL9011



Opal diffuser
















	W	K	LUMEN	COLOUR	L(mm)	
TX4H3OB	1x38W	3000	5600 lm	○	1125	2,5
TX4H3ON	1x38W	3000	5600 lm	●	1125	2,5
TX4H4OB	1x38W	4000	6000 lm	○	1125	2,5
TX4H4ON	1x38W	4000	6000 lm	●	1125	2,5
TX4L3OB	1x26,8W	3000	3720 lm	○	1125	2,5
TX4L3ON	1x26,8W	3000	3720 lm	●	1125	2,5
TX4L4OB	1x26,8W	4000	4000 lm	○	1125	2,5
TX4L4ON	1x26,8W	4000	4000 lm	●	1125	2,5
TX6H3OB	1x57W	3000	8400 lm	○	1685	3,75
TX6H3ON	1x57W	3000	8400 lm	●	1685	3,75
TX6H4OB	1x57W	4000	9000 lm	○	1685	3,75
TX6H4ON	1x57W	4000	9000 lm	●	1685	3,75
TX6L3OB	1x40,2W	3000	5580 lm	○	1685	3,75
TX6L3ON	1x40,2W	3000	5580 lm	●	1685	3,75
TX6L4OB	1x40,2W	4000	6000 lm	○	1685	3,75
TX6L4ON	1x40,2W	4000	6000 lm	●	1685	3,75

Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	L(mm)	
TX4H3DOB	1x38W	3000	5600 lm	○	1125	2,5
TX4H3DON	1x38W	3000	5600 lm	●	1125	2,5
TX4H4DOB	1x38W	4000	6000 lm	○	1125	2,5
TX4H4DON	1x38W	4000	6000 lm	●	1125	2,5
TX4L3DOB	1x26,8W	3000	3720 lm	○	1125	2,5
TX4L3DON	1x26,8W	3000	3720 lm	●	1125	2,5
TX4L4DOB	1x26,8W	4000	4000 lm	○	1125	2,5
TX4L4DON	1x26,8W	4000	4000 lm	●	1125	2,5
TX6H3DOB	1x57W	3000	8400 lm	○	1685	3,7
TX6H3DON	1x57W	3000	8400 lm	●	1685	3,7
TX6H4DOB	1x57W	4000	9000 lm	○	1685	3,7
TX6H4DON	1x57W	4000	9000 lm	●	1685	3,7
TX6L3DOB	1x40,2W	3000	5580 lm	○	1685	3,7
TX6L3DON	1x40,2W	3000	5580 lm	●	1685	3,7
TX6L4DOB	1x40,2W	4000	6000 lm	○	1685	3,7
TX6L4DON	1x40,2W	4000	6000 lm	●	1685	3,7

Trazzo Avant

Trazzo Avant **saLUZ**[®]

		W	K	LUMEN	COLOUR	L(mm)	
 TX4ZRB		1x22,5W	2700-6500	3170 lm	○	1125	2,5
 TX4ZRN		1x22,5W	2700-6500	3170 lm	●	1125	2,5
 TX4TWRB		1x24W	2700-6500	3620 lm	○	1125	2,5
 TX4TWRN		1x22,5W	2700-6500	3170 lm	●	1125	2,5
 TX6TWRB		1x36W	2700-6500	5450 lm	○	1685	2,5
 TX6TWRN		1x36W	2700-6500	5450 lm	●	1685	2,5

○ RAL9016

● RAL9011

Versions

saLUZ[®] Self-contained

Once the luminaire has been connected to mains, it automatically modifies the intensity and the tone of the light all over the day.

saLUZ[®] Tunable white

COMPATIBLE WITH NORMALINK

This version makes it possible to modify circadian cycles from Normalink in remote, and also to adapt them to the specific needs of the project.



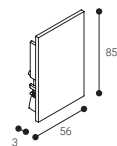
ACCESSORIES

End cover

TX016B

TX016N

COLOUR







Trazzo

TRAZZO is a system which enables to make continuous lines of light with direct and indirect lighting. It is made of extruded and anodised aluminium profile.

It can be mounted in a wall or ceiling and can also be suspended or recessed.

Its lighting variants include an opal polycarbonate diffuser and a matt anodised aluminium diffuser for optimal visual comfort and a wallwasher.

Two versions, multiple possibilities

- Trazzo 70: Light range 3720-9000 lm
- Trazzo Mixto: Light range 6510-16500 lm

Trazzo 70

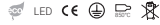
Trazzo Mixto

Installation	Ceiling surface mounted Wall surface mounted Ceiling suspended mounted Recessed in the ceiling	Wall surface mounted Ceiling suspended mounted
Diffuser	○ ● ▯	○ ● ▯
Light source	LED	LED
Photobiological safety	0	0
UGR	19	19
CRI	>80	>80
MacAdam ellipse	3	3
Beam angle range	80-104	
Power range (W)	26,8-57	46,9-104,5
Colour temperature (°K)	3000 4000	3000 4000
Light range	3720-9000	6510-16500
Power factor	0,95	0,95
Efficiency (%)	62,5-78,7	71,5
Expectancy	60000 h L70B10	60000 h L70B10
DALI Option	✓	✓
Continuous function 24h	✓	✓
IP	30	30
Class	I	I
Ideal cut out (mm)	(L+10)x87	

○ Opal diffuser ● Washer diffuser ▯ Sheets diffuser

! For other CRI values,
please contact us

Trazzo 70

Ceiling surface
mountedIP
30CRI
>80UGR
22

80-104°

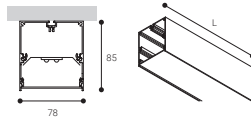
Expectancy
60000 h.
L70B10Efficiency (%)
62,5

Photobiological security

RG0	0 Risk free
RG1+	Low risk
RG2	Moderate risk
RG3	High risk

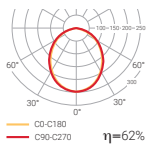
*Time under 3h.

Go to page 172 to learn more



- RAL9016
- RAL9006

Opal diffuser



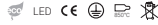
	W	K	LUMEN	COLOUR	L(mm)	⊗
LED T7A4H30G	1x38W	3000	5600 lm	●	1130	2,7
LED T7A4H30B	1x38W	3000	5600 lm	○	1130	2,7
LED T7A4H40G	1x38W	4000	6000 lm	●	1130	2,7
LED T7A4H40B	1x38W	4000	6000 lm	○	1130	2,7
LED T7A4L30G	1x26,8W	3000	3720 lm	●	1130	2,7
LED T7A4L30B	1x26,8W	3000	3720 lm	○	1130	2,7
LED T7A4L40G	1x26,8W	4000	4000 lm	●	1130	2,7
LED T7A4L40B	1x26,8W	4000	4000 lm	○	1130	2,7
LED T7A6H30G	1x57W	3000	8400 lm	●	1690	4,1
LED T7A6H30B	1x57W	3000	8400 lm	○	1690	4,1
LED T7A6H40G	1x57W	4000	9000 lm	●	1690	4,1
LED T7A6H40B	1x57W	4000	9000 lm	○	1690	4,1
LED T7A6L30G	1x40,2W	3000	5580 lm	●	1690	4,1
LED T7A6L30B	1x40,2W	3000	5580 lm	○	1690	4,1
LED T7A6L40G	1x40,2W	4000	6000 lm	●	1690	4,1
LED T7A6L40B	1x40,2W	4000	6000 lm	○	1690	4,1

Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	L(mm)	⊗
LED T7A4H3DOG	1x38W	3000	5600 lm	●	1130	2,7
LED T7A4H3DOB	1x38W	3000	5600 lm	○	1130	2,7
LED T7A4H4DOG	1x38W	4000	6000 lm	●	1130	2,7
LED T7A4H4DOB	1x38W	4000	6000 lm	○	1130	2,7
LED T7A4L3DOG	1x26,8W	3000	3720 lm	●	1130	2,7
LED T7A4L3DOB	1x26,8W	3000	3720 lm	○	1130	2,7
LED T7A4L4DOG	1x26,8W	4000	4000 lm	●	1130	2,7
LED T7A4L4DOB	1x26,8W	4000	4000 lm	○	1130	2,7
LED T7A6H3DOG	1x57W	3000	8400 lm	●	1690	4,1
LED T7A6H3DOB	1x57W	3000	8400 lm	○	1690	4,1
LED T7A6H4DOG	1x57W	4000	9000 lm	●	1690	4,1
LED T7A6H4DOB	1x57W	4000	9000 lm	○	1690	4,1
LED T7A6L3DOG	1x40,2W	3000	5580 lm	●	1690	4,1
LED T7A6L3DOB	1x40,2W	3000	5580 lm	○	1690	4,1
LED T7A6L4DOG	1x40,2W	4000	6000 lm	●	1690	4,1
LED T7A6L4DOB	1x40,2W	4000	6000 lm	○	1690	4,1

DALI 2 option please contact us

Trazzo 70

Ceiling surface
mountedIP
30CRI
>80UGR
19

80-104°

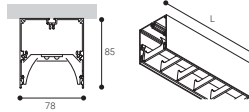
Expectancy
60000 h.
L70B10Efficiency (%)
75,4

Photobiological security

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

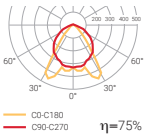
*Time under 3h.

Go to page 172 to learn more



- RAL9016
- RAL9006

Lamelas diffusor



	W	K	LUMEN	COLOUR	L(mm)	⚡
LED T7A4H3LG	1x38W	3000	5600 lm	●	1130	2,7
LED T7A4H3LB	1x38W	3000	5600 lm	○	1130	2,7
LED T7A4H4LG	1x38W	4000	6000 lm	●	1130	2,7
LED T7A4H4LB	1x38W	4000	6000 lm	○	1130	2,7
LED T7A4L3LG	1x26,8W	3000	3720 lm	●	1130	2,7
LED T7A4L3LB	1x26,8W	3000	3720 lm	○	1130	2,7
LED T7A4L4LG	1x26,8W	4000	4000 lm	●	1130	2,7
LED T7A4L4LB	1x26,8W	4000	4000 lm	○	1130	2,7
LED T7A6H3LG	1x57W	3000	8400 lm	●	1690	4,1
LED T7A6H3LB	1x57W	3000	8400 lm	○	1690	4,1
LED T7A6H4LG	1x57W	4000	9000 lm	●	1690	4,1
LED T7A6H4LB	1x57W	4000	9000 lm	○	1690	4,1
LED T7A6L3LG	1x40,2W	3000	5580 lm	●	1690	4,1
LED T7A6L3LB	1x40,2W	3000	5580 lm	○	1690	4,1
LED T7A6L4LG	1x40,2W	4000	6000 lm	●	1690	4,1
LED T7A6L4LB	1x40,2W	4000	6000 lm	○	1690	4,1

Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	L(mm)	⚡
LED T7A4H3DLG	1x38W	3000	5600 lm	●	1130	2,7
LED T7A4H3DLB	1x38W	3000	5600 lm	○	1130	2,7
LED T7A4H4DLG	1x38W	4000	6000 lm	●	1130	2,7
LED T7A4H4DLB	1x38W	4000	6000 lm	○	1130	2,7
LED T7A4L3DLG	1x26,8W	3000	3720 lm	●	1130	2,7
LED T7A4L3DLB	1x26,8W	3000	3720 lm	○	1130	2,7
LED T7A4L4DLG	1x26,8W	4000	4000 lm	●	1130	2,7
LED T7A4L4DLB	1x26,8W	4000	4000 lm	○	1130	2,7
LED T7A6H3DLG	1x57W	3000	8400 lm	●	1690	4,1
LED T7A6H3DLB	1x57W	3000	8400 lm	○	1690	4,1
LED T7A6H4DLG	1x57W	4000	9000 lm	●	1690	4,1
LED T7A6H4DLB	1x57W	4000	9000 lm	○	1690	4,1
LED T7A6L3DLG	1x40,2W	3000	5580 lm	●	1690	4,1
LED T7A6L3DLB	1x40,2W	3000	5580 lm	○	1690	4,1
LED T7A6L4DLG	1x40,2W	4000	6000 lm	●	1690	4,1
LED T7A6L4DLB	1x40,2W	4000	6000 lm	○	1690	4,1

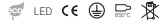


DALI 2 option please contact us

Trazzo 70



Ceiling surface mounted
Wallwasher



IP
30

CRI
>80

UGR
19

80-104°

Expectancy
60000 h.
L70B10

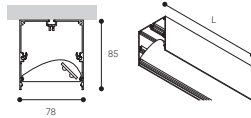
Efficiency (%)
78,7

Photobiological security

RG0	0 Risk free
RG1+	Low risk
RG2	Moderate risk
RG3	High risk

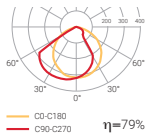
*Time under 3h.

Go to page 172 to learn more



- RAL9016
- RAL9006

Wallwasher diffuser



	W	K	LUMEN	COLOUR	L(mm)	
T7A4H3AG	1x38W	3000	5600 lm	●	1130	2,7
T7A4H3AB	1x38W	3000	5600 lm	○	1130	2,7
T7A4H4AG	1x38W	4000	6000 lm	●	1130	2,7
T7A4H4AB	1x38W	4000	6000 lm	○	1130	2,7
T7A4L3AG	1x26,8W	3000	3720 lm	●	1130	2,7
T7A4L3AB	1x26,8W	3000	3720 lm	○	1130	2,7
T7A4L4AG	1x26,8W	4000	4000 lm	●	1130	2,7
T7A4L4AB	1x26,8W	4000	4000 lm	○	1130	2,7
T7A6H3AB	1x57W	3000	8400 lm	●	1690	4,1
T7A6H3AB	1x57W	3000	8400 lm	○	1690	4,1
T7A6H4AG	1x57W	4000	9000 lm	●	1690	4,1
T7A6H4AB	1x57W	4000	9000 lm	○	1690	4,1
T7A6L3AG	1x40,2W	3000	5580 lm	●	1690	4,1
T7A6L3AB	1x40,2W	3000	5580 lm	○	1690	4,1
T7A6L4AG	1x40,2W	4000	6000 lm	●	1690	4,1
T7A6L4AB	1x40,2W	4000	6000 lm	○	1690	4,1



Compatible with **NormaLINK**

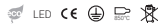
	W	K	LUMEN	COLOUR	L(mm)	
T7A4H3DAG	1x38W	3000	5600 lm	●	1130	2,7
T7A4H3DAB	1x38W	3000	5600 lm	○	1130	2,7
T7A4H4DAG	1x38W	4000	6000 lm	●	1130	2,7
T7A4H4DAB	1x38W	4000	6000 lm	○	1130	2,7
T7A4L3DAG	1x26,8W	3000	3720 lm	●	1130	2,7
T7A4L3DAB	1x26,8W	3000	3720 lm	○	1130	2,7
T7A4L4DAG	1x26,8W	4000	4000 lm	●	1130	2,7
T7A4L4DAB	1x26,8W	4000	4000 lm	○	1130	2,7
T7A6H3DAG	1x57W	3000	8400 lm	●	1690	4,1
T7A6H3DAB	1x57W	3000	8400 lm	○	1690	4,1
T7A6H4DAG	1x57W	4000	9000 lm	●	1690	4,1
T7A6H4DAB	1x57W	4000	9000 lm	○	1690	4,1
T7A6L3DAG	1x40,2W	3000	5580 lm	●	1690	4,1
T7A6L3DAB	1x40,2W	3000	5580 lm	○	1690	4,1
T7A6L4DAG	1x40,2W	4000	6000 lm	●	1690	4,1
T7A6L4DAB	1x40,2W	4000	6000 lm	○	1690	4,1

DALI 2 option please contact us

Trazzo 70



Ceiling suspended mounted



IP
30

CRI
>80

UGR
22

80-104°

Expectancy
60000 h.
L70B10

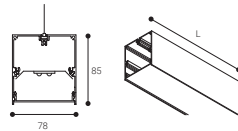
Efficiency (%)
62,5

Photobiological security

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

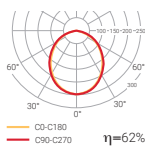
*Time under 3h.

Go to page 172 to learn more



- RAL9016
- RAL9006

Opal diffuser



	W	K	LUMEN	COLOUR	L(mm)	
T7S4H30G	1x38W	3000	5600 lm	<input checked="" type="radio"/>	1130	2,7
T7S4H30B	1x38W	3000	5600 lm	<input type="radio"/>	1130	2,7
T7S4H40G	1x38W	4000	6000 lm	<input checked="" type="radio"/>	1130	2,7
T7S4H40B	1x38W	4000	6000 lm	<input type="radio"/>	1130	2,7
T7S4L30G	1x26,8W	3000	3720 lm	<input checked="" type="radio"/>	1130	2,7
T7S4L30B	1x26,8W	3000	3720 lm	<input type="radio"/>	1130	2,7
T7S4L40G	1x26,8W	4000	4000 lm	<input checked="" type="radio"/>	1130	2,7
T7S4L40B	1x26,8W	4000	4000 lm	<input type="radio"/>	1130	2,7
T7S6H30G	1x57W	3000	8400 lm	<input checked="" type="radio"/>	1690	4,1
T7S6H30B	1x57W	3000	8400 lm	<input type="radio"/>	1690	4,1
T7S6H40G	1x57W	4000	9000 lm	<input checked="" type="radio"/>	1690	4,1
T7S6H40B	1x57W	4000	9000 lm	<input type="radio"/>	1690	4,1
T7S6L30G	1x40,2W	3000	5580 lm	<input checked="" type="radio"/>	1690	4,1
T7S6L30B	1x40,2W	3000	5580 lm	<input type="radio"/>	1690	4,1
T7S6L40G	1x40,2W	4000	6000 lm	<input checked="" type="radio"/>	1690	4,1
T7S6L40B	1x40,2W	4000	6000 lm	<input type="radio"/>	1690	4,1



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	L(mm)	
T7S4H3DOG	1x38W	3000	5600 lm	<input checked="" type="radio"/>	1130	2,7
T7S4H3DOB	1x38W	3000	5600 lm	<input type="radio"/>	1130	2,7
T7S4H4DOG	1x38W	4000	6000 lm	<input checked="" type="radio"/>	1130	2,7
T7S4H4DOB	1x38W	4000	6000 lm	<input type="radio"/>	1130	2,7
T7S4L3DOG	1x26,8W	3000	3720 lm	<input checked="" type="radio"/>	1130	2,7
T7S4L3DOB	1x26,8W	3000	3720 lm	<input type="radio"/>	1130	2,7
T7S4L4DOG	1x26,8W	4000	4000 lm	<input checked="" type="radio"/>	1130	2,7
T7S4L4DOB	1x26,8W	4000	4000 lm	<input type="radio"/>	1130	2,7
T7S6H3DOG	1x57W	3000	8400 lm	<input checked="" type="radio"/>	1690	4,1
T7S6H3DOB	1x57W	3000	8400 lm	<input type="radio"/>	1690	4,1
T7S6H4DOG	1x57W	4000	9000 lm	<input checked="" type="radio"/>	1690	4,1
T7S6H4DOB	1x57W	4000	9000 lm	<input type="radio"/>	1690	4,1
T7S6L3DOG	1x40,2W	3000	5580 lm	<input checked="" type="radio"/>	1690	4,1
T7S6L3DOB	1x40,2W	3000	5580 lm	<input type="radio"/>	1690	4,1
T7S6L4DOG	1x40,2W	4000	6000 lm	<input checked="" type="radio"/>	1690	4,1
T7S6L4DOB	1x40,2W	4000	6000 lm	<input type="radio"/>	1690	4,1

It is recommended the use of suspensions for every 700 mm in linear mounting of the ref. T7S4L and every 1500 mm in the ref. T7S6L

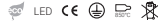


DALI 2 option please contact us

Trazzo 70



Ceiling suspended mounted



IP 30

CRI >80

UGR 19

80-104°

Expectancy
60000 h.
L70B10

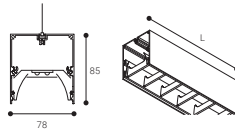
Efficiency (%)
75,4

Photobiological security

RG0	0 Risk free
RG1+	Low risk
RG2	Moderate risk
RG3	High risk

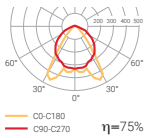
*Time under 3h.

Go to page 172 to learn more



- RAL9016
- RAL9006

Lamelas diffuser



	W	K	LUMEN	COLOUR	L(mm)	Ⓜ
LED T7S4H3LG	1x38W	3000	5600 lm	●	1130	2,7
LED T7S4H3LB	1x38W	3000	5600 lm	○	1130	2,7
LED T7S4H4LG	1x38W	4000	6000 lm	●	1130	2,7
LED T7S4H4LB	1x38W	4000	6000 lm	○	1130	2,7
LED T7S4L3LG	1x26,8W	3000	3720 lm	●	1130	2,7
LED T7S4L3LB	1x26,8W	3000	3720 lm	○	1130	2,7
LED T7S4L4LG	1x26,8W	4000	4000 lm	●	1130	2,7
LED T7S4L4LB	1x26,8W	4000	4000 lm	○	1130	2,7
LED T7S6H3LG	1x57W	3000	8400 lm	●	1690	4,1
LED T7S6H3LB	1x57W	3000	8400 lm	○	1690	4,1
LED T7S6H4LG	1x57W	4000	9000 lm	●	1690	4,1
LED T7S6H4LB	1x57W	4000	9000 lm	○	1690	4,1
LED T7S6L3LG	1x40,2W	3000	5580 lm	●	1690	4,1
LED T7S6L3LB	1x40,2W	3000	5580 lm	○	1690	4,1
LED T7S6L4LG	1x40,2W	4000	6000 lm	●	1690	4,1
LED T7S6L4LB	1x40,2W	4000	6000 lm	○	1690	4,1



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	L(mm)	Ⓜ
LED T7S4H3DLG	1x38W	3000	5600 lm	●	1130	2,7
LED T7S4H3DLB	1x38W	3000	5600 lm	○	1130	2,7
LED T7S4H4DLG	1x38W	4000	6000 lm	●	1130	2,7
LED T7S4H4DLB	1x38W	4000	6000 lm	○	1130	2,7
LED T7S4L3DLG	1x26,8W	3000	3720 lm	●	1130	2,7
LED T7S4L3DLB	1x26,8W	3000	3720 lm	○	1130	2,7
LED T7S4L4DLG	1x26,8W	4000	4000 lm	●	1130	2,7
LED T7S4L4DLB	1x26,8W	4000	4000 lm	○	1130	2,7
LED T7S6H3DLG	1x57W	3000	8400 lm	●	1690	4,1
LED T7S6H3DLB	1x57W	3000	8400 lm	○	1690	4,1
LED T7S6H4DLG	1x57W	4000	9000 lm	●	1690	4,1
LED T7S6H4DLB	1x57W	4000	9000 lm	○	1690	4,1
LED T7S6L3DLG	1x40,2W	3000	5580 lm	●	1690	4,1
LED T7S6L3DLB	1x40,2W	3000	5580 lm	○	1690	4,1
LED T7S6L4DLG	1x40,2W	4000	6000 lm	●	1690	4,1
LED T7S6L4DLB	1x40,2W	4000	6000 lm	○	1690	4,1

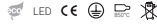
It is recommended the use of suspensions for every 700 mm in linear mounting of the ref. T7S4L and every 1500 mm in the ref. T7S6L

! DALI 2 option please contact us

Trazzo 70



Ceiling suspended mounted
Wallwasher



IP
30

CRI
>80

UGR
19

80-104°

Expectancy
60000 h.
L70B10

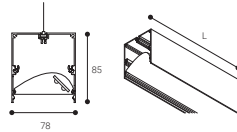
Efficiency (%)
78,7

Photobiological security

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

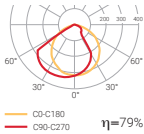
*Time under 3h.

Go to page 172 to learn more



- RAL9016
- RAL9006

Wallwasher diffuser



	W	K	LUMEN	COLOUR	L(mm)	⊞
LED T7S4H3AG	1x38W	3000	5600 lm	●	1130	2,7
LED T7S4H3AB	1x38W	3000	5600 lm	○	1130	2,7
LED T7S4H4AG	1x38W	4000	6000 lm	●	1130	2,7
LED T7S4H4AB	1x38W	4000	6000 lm	○	1130	2,7
LED T7S4L3AG	1x26,8W	3000	3720 lm	●	1130	2,7
LED T7S4L3AB	1x26,8W	3000	3720 lm	○	1130	2,7
LED T7S4L4AG	1x26,8W	4000	4000 lm	●	1130	2,7
LED T7S4L4AB	1x26,8W	4000	4000 lm	○	1130	2,7
LED T7S6H3AG	1x57W	3000	8400 lm	●	1690	4,1
LED T7S6H3AB	1x57W	3000	8400 lm	○	1690	4,1
LED T7S6H4AG	1x57W	4000	9000 lm	●	1690	4,1
LED T7S6H4AB	1x57W	4000	9000 lm	○	1690	4,1
LED T7S6L3AG	1x40,2W	3000	5580 lm	●	1690	4,1
LED T7S6L3AB	1x40,2W	3000	5580 lm	○	1690	4,1
LED T7S6L4AG	1x40,2W	4000	6000 lm	●	1690	4,1
LED T7S6L4AB	1x40,2W	4000	6000 lm	○	1690	4,1



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	L(mm)	⊞
LED T7S4H3DAG	1x38W	3000	5600 lm	●	1130	2,7
LED T7S4H3DAB	1x38W	3000	5600 lm	○	1130	2,7
LED T7S4H4DAG	1x38W	4000	6000 lm	●	1130	2,7
LED T7S4H4DAB	1x38W	4000	6000 lm	○	1130	2,7
LED T7S4L3DAG	1x26,8W	3000	3720 lm	●	1130	2,7
LED T7S4L3DAB	1x26,8W	3000	3720 lm	○	1130	2,7
LED T7S4L4DAG	1x26,8W	4000	4000 lm	●	1130	2,7
LED T7S4L4DAB	1x26,8W	4000	4000 lm	○	1130	2,7
LED T7S6H3DAG	1x57W	3000	8400 lm	●	1690	4,1
LED T7S6H3DAB	1x57W	3000	8400 lm	○	1690	4,1
LED T7S6H4DAG	1x57W	4000	9000 lm	●	1690	4,1
LED T7S6H4DAB	1x57W	4000	9000 lm	○	1690	4,1
LED T7S6L3DAG	1x40,2W	3000	5580 lm	●	1690	4,1
LED T7S6L3DAB	1x40,2W	3000	5580 lm	○	1690	4,1
LED T7S6L4DAG	1x40,2W	4000	6000 lm	●	1690	4,1
LED T7S6L4DAB	1x40,2W	4000	6000 lm	○	1690	4,1

It is recommended the use of suspensions for every 700 mm in linear mounting of the ref. T7S4L and every 1500 mm in the ref. T7S6L.

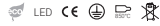


DALI 2 option please contact us

Trazzo 70



Wall surface
mounted



IP
30

CRI
>80

UGR
22

80-104°

Expectancy
60000 h.
L70B10

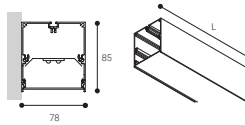
Efficiency (%)
62,5

Photobiological security

RG0	0 Risk free
RG1+	Low risk
RG2	Moderate risk
RG3	High risk

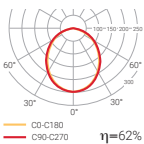
*Time under 3h.

Go to page 172 to learn more



- RAL9016
- RAL9006

Opal diffuser



	W	K	LUMEN	COLOUR	L(mm)	⊕
LED T7P4H30G	1x38W	3000	5600 lm	●	1130	2,7
LED T7P4H30B	1x38W	3000	5600 lm	○	1130	2,7
LED T7P4H40G	1x38W	4000	6000 lm	●	1130	2,7
LED T7P4H40B	1x38W	4000	6000 lm	○	1130	2,7
LED T7P4L30G	1x26,8W	3000	3720 lm	●	1130	2,7
LED T7P4L30B	1x26,8W	3000	3720 lm	○	1130	2,7
LED T7P4L40G	1x26,8W	4000	4000 lm	●	1130	2,7
LED T7P4L40B	1x26,8W	4000	4000 lm	○	1130	2,7
LED T7P6H30G	1x57W	3000	8400 lm	●	1690	4,1
LED T7P6H30B	1x57W	3000	8400 lm	○	1690	4,1
LED T7P6H40G	1x57W	4000	9000 lm	●	1690	4,1
LED T7P6H40B	1x57W	4000	9000 lm	○	1690	4,1
LED T7P6L30G	1x40,2W	3000	5580 lm	●	1690	4,1
LED T7P6L30B	1x40,2W	3000	5580 lm	○	1690	4,1
LED T7P6L40G	1x40,2W	4000	6000 lm	●	1690	4,1
LED T7P6L40B	1x40,2W	4000	6000 lm	○	1690	4,1



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	L(mm)	⊕
LED T7P4H3DOG	1x38W	3000	5600 lm	●	1130	2,7
LED T7P4H3DOB	1x38W	3000	5600 lm	○	1130	2,7
LED T7P4H4DOG	1x38W	4000	6000 lm	●	1130	2,7
LED T7P4H4DOB	1x38W	4000	6000 lm	○	1130	2,7
LED T7P4L3DOG	1x26,8W	3000	3720 lm	●	1130	2,7
LED T7P4L3DOB	1x26,8W	3000	3720 lm	○	1130	2,7
LED T7P4L4DOG	1x26,8W	4000	4000 lm	●	1130	2,7
LED T7P4L4DOB	1x26,8W	4000	4000 lm	○	1130	2,7
LED T7P6H3DOG	1x57W	3000	8400 lm	●	1690	4,1
LED T7P6H3DOB	1x57W	3000	8400 lm	○	1690	4,1
LED T7P6H4DOG	1x57W	4000	9000 lm	●	1690	4,1
LED T7P6H4DOB	1x57W	4000	9000 lm	○	1690	4,1
LED T7P6L3DOG	1x40,2W	3000	5580 lm	●	1690	4,1
LED T7P6L3DOB	1x40,2W	3000	5580 lm	○	1690	4,1
LED T7P6L4DOG	1x40,2W	4000	6000 lm	●	1690	4,1
LED T7P6L4DOB	1x40,2W	4000	6000 lm	○	1690	4,1

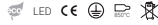


DALI 2 option please contact us

Trazzo 70



Wall surface mounted
Wallwasher



IP
30

CRI
>80

UGR
19

80-104°

Expectancy
60000 h.
L70B10

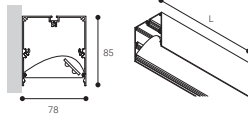
Efficiency (%)
78,7

Photobiological security

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

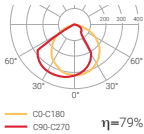
*Time under 3h.

Go to page 172 to learn more



- RAL9016
- RAL9006

Wallwasher diffuser



	W	K	LUMEN	COLOUR	L(mm)	⊕
LED T7P4H3AG	1x38W	3000	5600 lm	●	1130	2,7
LED T7P4H3AB	1x38W	3000	5600 lm	○	1130	2,7
LED T7P4H4AG	1x38W	4000	6000 lm	●	1130	2,7
LED T7P4H4AB	1x38W	4000	6000 lm	○	1130	2,7
LED T7P4L3AG	1x26,8W	3000	3720 lm	●	1130	2,7
LED T7P4L3AB	1x26,8W	3000	3720 lm	○	1130	2,7
LED T7P4L4AG	1x26,8W	4000	4000 lm	●	1130	2,7
LED T7P4L4AB	1x206,8W	4000	4000 lm	○	1130	2,7
LED T7P6H3AG	1x57W	3000	8400 lm	●	1690	4,1
LED T7P6H3AB	1x57W	3000	8400 lm	○	1690	4,1
LED T7P6H4AG	1x57W	4000	9000 lm	●	1690	4,1
LED T7P6H4AB	1x57W	4000	9000 lm	○	1690	4,1
LED T7P6L3AG	1x40,2W	3000	5580 lm	●	1690	4,1
LED T7P6L3AB	1x40,2W	3000	5580 lm	○	1690	4,1
LED T7P6L4AG	1x40,2W	4000	6000 lm	●	1690	4,1
LED T7P6L4AB	1x40,2W	4000	6000 lm	○	1690	4,1



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	L(mm)	⊕
LED T7P4H3DAG	1x38W	3000	5600 lm	●	1130	2,7
LED T7P4H3DAB	1x38W	3000	5600 lm	○	1130	2,7
LED T7P4H4DAG	1x38W	4000	6000 lm	●	1130	2,7
LED T7P4H4DAB	1x38W	4000	6000 lm	○	1130	2,7
LED T7P4L3DAG	1x26,8W	3000	3720 lm	●	1130	2,7
LED T7P4L3DAB	1x26,8W	3000	3720 lm	○	1130	2,7
LED T7P4L4DAG	1x26,8W	4000	4000 lm	●	1130	2,7
LED T7P4L4DAB	1x26,8W	4000	4000 lm	○	1130	2,7
LED T7P6H3DAG	1x57W	3000	8400 lm	●	1690	4,1
LED T7P6H3DAB	1x57W	3000	8400 lm	○	1690	4,1
LED T7P6H4DAG	1x57W	4000	9000 lm	●	1690	4,1
LED T7P6H4DAB	1x57W	4000	9000 lm	○	1690	4,1
LED T7P6L3DAG	1x40,2W	3000	5580 lm	●	1690	4,1
LED T7P6L3DAB	1x40,2W	3000	5580 lm	○	1690	4,1
LED T7P6L4DAG	1x40,2W	4000	6000 lm	●	1690	4,1
LED T7P6L4DAB	1x40,2W	4000	6000 lm	○	1690	4,1

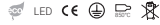


DALI 2 option please contact us

Trazzo 70



Recessed
in the ceiling



IP
44

CRI
>80

UGR
22

80-104°

Expectancy
60000 h.
L70B10

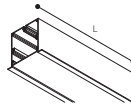
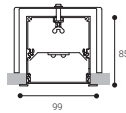
Efficiency (%)
62,5

Photobiological security

RG0	0 Risk free
RG1+	Low risk
RG2	Moderate risk
RG3	High risk

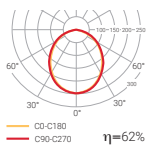
*Time under 3h.

Go to page 172 to learn more



○ RAL9016
● RAL9006

Opal diffuser



	W	K	LUMEN	COLOUR	L(mm)	⊗
LED T7E4H30G	1x38W	3000	5600 lm	●	1130	2,7
LED T7E4H30B	1x38W	3000	5600 lm	○	1130	2,7
LED T7E4H40G	1x38W	4000	6000 lm	●	1130	2,7
LED T7E4H40B	1x38W	4000	6000 lm	○	1130	2,7
LED T7E4L30G	1x26,8W	3000	3720 lm	●	1130	2,7
LED T7E4L30B	1x26,8W	3000	3720 lm	○	1130	2,7
LED T7E4L40G	1x26,8W	4000	4000 lm	●	1130	2,7
LED T7E4L40B	1x26,8W	4000	4000 lm	○	1130	2,7
LED T7E6H30G	1x57W	3000	8400 lm	●	1690	4,1
LED T7E6H30B	1x57W	3000	8400 lm	○	1690	4,1
LED T7E6H40G	1x57W	4000	9000 lm	●	1690	4,1
LED T7E6H40B	1x57W	4000	9000 lm	○	1690	4,1
LED T7E6L30G	1x40,2W	3000	5580 lm	●	1690	4,1
LED T7E6L30B	1x40,2W	3000	5580 lm	○	1690	4,1
LED T7E6L40G	1x40,2W	4000	6000 lm	●	1690	4,1
LED T7E6L40B	1x40,2W	4000	6000 lm	○	1690	4,1



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	L(mm)	⊗
LED T7E4H3DOG	1x38W	3000	5600 lm	●	1130	2,7
LED T7E4H3DOB	1x38W	3000	5600 lm	○	1130	2,7
LED T7E4H4DOG	1x38W	4000	6000 lm	●	1130	2,7
LED T7E4H4DOB	1x38W	4000	6000 lm	○	1130	2,7
LED T7E4L3DOG	1x26,8W	3000	3720 lm	●	1130	2,7
LED T7E4L3DOB	1x26,8W	3000	3720 lm	○	1130	2,7
LED T7E4L4DOG	1x26,8W	4000	4000 lm	●	1130	2,7
LED T7E4L4DOB	1x26,8W	4000	4000 lm	○	1130	2,7
LED T7E6H3DOG	1x57W	3000	8400 lm	●	1690	4,1
LED T7E6H3DOB	1x57W	3000	8400 lm	○	1690	4,1
LED T7E6H4DOG	1x57W	4000	9000 lm	●	1690	4,1
LED T7E6H4DOB	1x57W	4000	9000 lm	○	1690	4,1
LED T7E6L3DOG	1x40,2W	3000	5580 lm	●	1690	4,1
LED T7E6L3DOB	1x40,2W	3000	5580 lm	○	1690	4,1
LED T7E6L4DOG	1x40,2W	4000	6000 lm	●	1690	4,1
LED T7E6L4DOB	1x40,2W	4000	6000 lm	○	1690	4,1

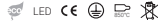


DALI 2 option please contact us

Trazzo 70



Recessed
in the ceiling



IP
44

CRI
>80

UGR
19

80-104°

Expectancy
60000 h.
L70B10

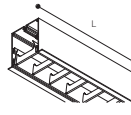
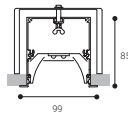
Efficiency (%)
75,4

Photobiological security

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

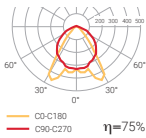
*Time under 3h.

Go to page 172 to learn more



○ RAL9016
● RAL9006

Larnelas diffusor



	W	K	LUMEN	COLOUR	L(mm)	⊕
LED T7E4H3LG	1x38W	3000	5600 lm	●	1130	2,7
LED T7E4H3LB	1x38W	3000	5600 lm	○	1130	2,7
LED T7E4H4LG	1x38W	4000	6000 lm	●	1130	2,7
LED T7E4H4LB	1x38W	4000	6000 lm	○	1130	2,7
LED T7E4L3LG	1x26,8W	3000	3720 lm	●	1130	2,7
LED T7E4L3LB	1x26,8W	3000	3720 lm	○	1130	2,7
LED T7E4L4LG	1x26,8W	4000	4000 lm	●	1130	2,7
LED T7E4L4LB	1x26,8W	4000	4000 lm	○	1130	2,7
LED T7E6H3LG	1x57W	3000	8400 lm	●	1690	4,1
LED T7E6H3LB	1x57W	3000	8400 lm	○	1690	4,1
LED T7E6H4LG	1x57W	4000	9000 lm	●	1690	4,1
LED T7E6H4LB	1x57W	4000	9000 lm	○	1690	4,1
LED T7E6L3LG	1x40,2W	3000	5580 lm	●	1690	4,1
LED T7E6L3LB	1x40,2W	3000	5580 lm	○	1690	4,1
LED T7E6L4LG	1x40,2W	4000	6000 lm	●	1690	4,1
LED T7E6L4LB	1x40,2W	4000	6000 lm	○	1690	4,1



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	L(mm)	⊕
LED T7E4H3DLG	1x38W	3000	5600 lm	●	1130	2,7
LED T7E4H3DLB	1x38W	3000	5600 lm	○	1130	2,7
LED T7E4H4DLG	1x38W	4000	6000 lm	●	1130	2,7
LED T7E4H4DLB	1x38W	4000	6000 lm	○	1130	2,7
LED T7E4L3DLG	1x26,8W	3000	3720 lm	●	1130	2,7
LED T7E4L3DLB	1x26,8W	3000	3720 lm	○	1130	2,7
LED T7E4L4DLG	1x26,8W	4000	4000 lm	●	1130	2,7
LED T7E4L4DLB	1x26,8W	4000	4000 lm	○	1130	2,7
LED T7E6H3DLG	1x57W	3000	8400 lm	●	1690	4,1
LED T7E6H3DLB	1x57W	3000	8400 lm	○	1690	4,1
LED T7E6H4DLG	1x57W	4000	9000 lm	●	1690	4,1
LED T7E6H4DLB	1x57W	4000	9000 lm	○	1690	4,1
LED T7E6L3DLG	1x40,2W	3000	5580 lm	●	1690	4,1
LED T7E6L3DLB	1x40,2W	3000	5580 lm	○	1690	4,1
LED T7E6L4DLG	1x40,2W	4000	6000 lm	●	1690	4,1
LED T7E6L4DLB	1x40,2W	4000	6000 lm	○	1690	4,1



DALI 2 option please contact us

Trazzo 70



Recessed in the ceiling
Wallwasher



IP
44

CRI
>80

UGR
19

80-104°

Expectancy
60000 h.
L70B10

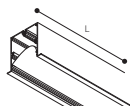
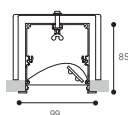
Efficiency (%)
78,7

Photobiological security

RG0	0 Risk free
RG1+	Low risk
RG2	Moderate risk
RG3	High risk

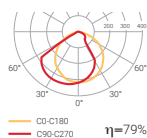
*Time under 3h.

Go to page 172 to learn more



○ RAL9016
● RAL9006

Wallwasher diffuser



	W	K	LUMEN	COLOUR	L(mm)	⊗
LED T7E4H3AG	1x38W	3000	5600 lm	●	1130	2,7
LED T7E4H3AB	1x38W	3000	5600 lm	○	1130	2,7
LED T7E4H4AG	1x38W	4000	6000 lm	●	1130	2,7
LED T7E4H4AB	1x38W	4000	6000 lm	○	1130	2,7
LED T7E4L3AG	1x26,8W	3000	3720 lm	●	1130	2,7
LED T7E4L3AB	1x26,8W	3000	3720 lm	○	1130	2,7
LED T7E4L4AG	1x26,8W	4000	4000 lm	●	1130	2,7
LED T7E4L4AB	1x26,8W	4000	4000 lm	○	1130	2,7
LED T7E6H3AG	1x57W	3000	8400 lm	●	1690	4,1
LED T7E6H3AB	1x57W	3000	8400 lm	○	1690	4,1
LED T7E6H4AG	1x57W	4000	9000 lm	●	1690	4,1
LED T7E6H4AB	1x57W	4000	9000 lm	○	1690	4,1
LED T7E6L3AG	1x40,2W	3000	5580 lm	●	1690	4,1
LED T7E6L3AB	1x40,2W	3000	5580 lm	○	1690	4,1
LED T7E6L4AG	1x40,2W	4000	6000 lm	●	1690	4,1
LED T7E6L4AB	1x40,2W	4000	6000 lm	○	1690	4,1



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	L(mm)	⊗
LED T7E4H3DAG	1x38W	3000	5600 lm	●	1130	2,7
LED T7E4H3DAB	1x38W	3000	5600 lm	○	1130	2,7
LED T7E4H4DAG	1x38W	4000	6000 lm	●	1130	2,7
LED T7E4H4DAB	1x38W	4000	6000 lm	○	1130	2,7
LED T7E4L3DAG	1x26,8W	3000	3720 lm	●	1130	2,7
LED T7E4L3DAB	1x26,8W	3000	3720 lm	○	1130	2,7
LED T7E4L4DAG	1x26,8W	4000	4000 lm	●	1130	2,7
LED T7E4L4DAB	1x26,8W	4000	4000 lm	○	1130	2,7
LED T7E6H3DAG	1x57W	3000	8400 lm	●	1690	4,1
LED T7E6H3DAB	1x57W	3000	8400 lm	○	1690	4,1
LED T7E6H4DAG	1x57W	4000	9000 lm	●	1690	4,1
LED T7E6H4DAB	1x57W	4000	9000 lm	○	1690	4,1
LED T7E6L3DAG	1x40,2W	3000	5580 lm	●	1690	4,1
LED T7E6L3DAB	1x40,2W	3000	5580 lm	○	1690	4,1
LED T7E6L4DAG	1x40,2W	4000	6000 lm	●	1690	4,1
LED T7E6L4DAB	1x40,2W	4000	6000 lm	○	1690	4,1

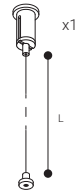


DALI 2 option please contact us

ACCESSORIES

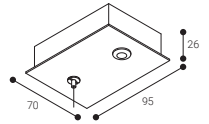
Suspension accessory

	L (m)	COLOUR
1029L2	2	○
1029L4	4	●



Connection box and power supply cable

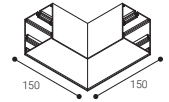
	POWER SUPPLY CABLE LENGHT	COLOUR
ETC1029B	2	○
ETC1029G	2	●
ETC10294MB	4	○
ETC10294MG	4	●



ETC10295PB	2	○
ETC10295PG	2	●
ETC10295P4MB	4	○
ETC10295P4MG	4	●

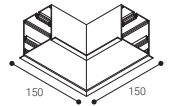
L shaped accessorie

	COLOUR
TZ70D006B	○
TZ70D006G	●



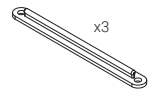
L shaped accessorie for embedded units

	COLOUR
TZ70E006B	○
TZ70E006G	●



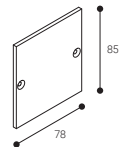
Joining accessory

	COLOUR
TZ70D014	●



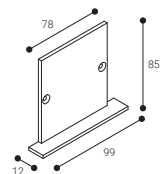
End cover

	COLOUR
TZ70D016B	○
TZ70D016G	●



End cover recessed model

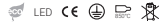
	COLOUR
TZ70E016B	○
TZ70E016G	●



Trazzo Mixto



Wall surface mounted
Direct/Indirect



IP
30

CRI
>80

UGR
22

Expectancy
60000 h.
L70B10

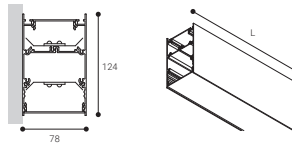
Efficiency (%)
63,3

Photobiological security

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

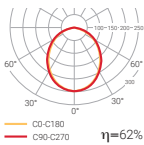
Go to page 172 to learn more



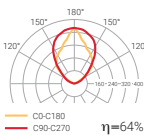
- RAL9016
- RAL9006

Opal diffuser

Direct



Indirect



	W	K	LUMEN	COLOUR	L(mm)	
LED TMP4H3OG	1x66,5W	3000	9800 lm	●	1130	4,7
LED TMP4H3OB	1x66,5W	3000	9800 lm	○	1130	4,7
LED TMP4H4OG	1x66,5W	4000	10500 lm	●	1130	4,7
LED TMP4H4OB	1x66,5W	4000	10500 lm	○	1130	4,7
LED TMP4L3OG	1x46,9W	3000	6510 lm	●	1130	4,7
LED TMP4L3OB	1x46,9W	3000	6510 lm	○	1130	4,7
LED TMP4L4OG	1x46,9W	4000	7000 lm	●	1130	4,7
LED TMP4L4OB	1x46,9W	4000	7000 lm	○	1130	4,7
LED TMP6H3OG	1x104,5W	3000	15400 lm	●	1690	7,1
LED TMP6H3OB	1x104,5W	3000	15400 lm	○	1690	7,1
LED TMP6H4OG	1x104,5W	4000	16500 lm	●	1690	7,1
LED TMP6H4OB	1x104,5W	4000	16500 lm	○	1690	7,1
LED TMP6L3OG	1x73,7W	3000	10230 lm	●	1690	7,1
LED TMP6L3OB	1x73,7W	3000	10230 lm	○	1690	7,1
LED TMP6L4OG	1x73,7W	4000	11000 lm	●	1690	7,1
LED TMP6L4OB	1x73,7W	4000	11000 lm	○	1690	7,1



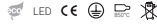
Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	L(mm)	
LED TMP4H3DOG	1x66,5W	3000	9800 lm	●	1130	4,7
LED TMP4H3DOB	1x66,5W	3000	9800 lm	○	1130	4,7
LED TMP4H4DOG	1x66,5W	4000	10500 lm	●	1130	4,7
LED TMP4H4DOB	1x66,5W	4000	10500 lm	○	1130	4,7
LED TMP4L3DOG	1x46,9W	3000	6510 lm	●	1130	4,7
LED TMP4L3DOB	1x46,9W	3000	6510 lm	○	1130	4,7
LED TMP4L4DOG	1x46,9W	4000	7000 lm	●	1130	4,7
LED TMP4L4DOB	1x46,9W	4000	7000 lm	○	1130	4,7
LED TMP6H3DOG	1x104,5W	3000	15400 lm	●	1690	7,1
LED TMP6H3DOB	1x104,5W	3000	15400 lm	○	1690	7,1
LED TMP6H4DOG	1x104,5W	4000	16500 lm	●	1690	7,1
LED TMP6H4DOB	1x104,5W	4000	16500 lm	○	1690	7,1
LED TMP6L3DOG	1x73,7W	3000	10230 lm	●	1690	7,1
LED TMP6L3DOB	1x73,7W	3000	10230 lm	○	1690	7,1
LED TMP6L4DOG	1x73,7W	4000	11000 lm	●	1690	7,1
LED TMP6L4DOB	1x73,7W	4000	11000 lm	○	1690	7,1

Trazzo Mixto



Wall surface mounted
Wallwasher
Direct/Indirect



IP
30

CRI
>80

UGR
19

Expectancy
60000 h.
L70B10

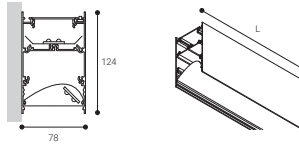
Efficiency (%)
71,5

Photobiological security

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

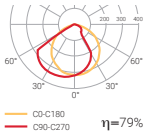
Go to page 172 to learn more



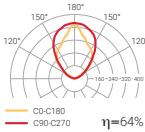
- RAL9016
- RAL9006

Wallwasher diffuser

Direct



Indirect



	W	K	LUMEN	COLOUR	L(mm)	
TMP4H3AG	1x66,5W	3000	9800 lm	●	1130	4,7
TMP4H3AB	1x66,5W	3000	9800 lm	○	1130	4,7
TMP4H4AG	1x66,5W	4000	10500 lm	●	1130	4,7
TMP4H4AB	1x66,5W	4000	10500 lm	○	1130	4,7
TMP4L3AG	1x46,9W	3000	6510 lm	●	1130	4,7
TMP4L3AB	1x46,9W	3000	6510 lm	○	1130	4,7
TMP4L4AG	1x46,9W	4000	7000 lm	●	1130	4,7
TMP4L4AB	1x46,9W	4000	7000 lm	○	1130	4,7
TMP6H3AG	1x104,5W	3000	15400 lm	●	1690	7,1
TMP6H3AB	1x104,5W	3000	15400 lm	○	1690	7,1
TMP6H4AG	1x104,5W	4000	16500 lm	●	1690	7,1
TMP6H4AB	1x104,5W	4000	16500 lm	○	1690	7,1
TMP6L3AG	1x73,7W	3000	10230 lm	●	1690	7,1
TMP6L3AB	1x73,7W	3000	10230 lm	○	1690	7,1
TMP6L4AG	1x73,7W	4000	11000 lm	●	1690	7,1
TMP6L4AB	1x73,7W	4000	11000 lm	○	1690	7,1



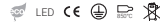
Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	L(mm)	
TMP4H3DAG	1x66,5W	3000	9800 lm	●	1130	4,7
TMP4H3DAB	1x66,5W	3000	9800 lm	○	1130	4,7
TMP4H4DAG	1x66,5W	4000	10500 lm	●	1130	4,7
TMP4H4DAB	1x66,5W	4000	10500 lm	○	1130	4,7
TMP4L3DAG	1x46,9W	3000	6510 lm	●	1130	4,7
TMP4L3DAB	1x46,9W	3000	6510 lm	○	1130	4,7
TMP4L4DAG	1x46,9W	4000	7000 lm	●	1130	4,7
TMP4L4DAB	1x46,9W	4000	7000 lm	○	1130	4,7
TMP6H3DAG	1x104,5W	3000	15400 lm	●	1690	7,1
TMP6H3DAB	1x104,5W	3000	15400 lm	○	1690	7,1
TMP6H4DAG	1x104,5W	4000	16500 lm	●	1690	7,1
TMP6H4DAB	1x104,5W	4000	16500 lm	○	1690	7,1
TMP6L3DAG	1x73,7W	3000	10230 lm	●	1690	7,1
TMP6L3DAB	1x73,7W	3000	10230 lm	○	1690	7,1
TMP6L4DAG	1x73,7W	4000	11000 lm	●	1690	7,1
TMP6L4DAB	1x73,7W	4000	11000 lm	○	1690	7,1

Trazzo Mixto



Ceiling suspended mounted
Direct/Indirect



JP
30

CRI
>80

UGR
22

Expectancy
60000 h.
L70B10

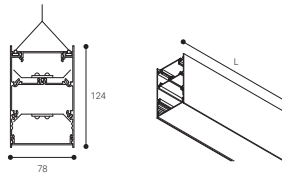
Efficiency (%)
63,3

Photobiological security

RG0	0 Risk free
RG1+	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h

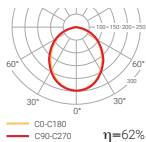
Go to page 172 to learn more



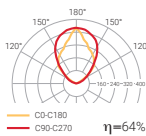
- RAL9016
- RAL9006

Opal diffuser

Direct



Indirect



	W	K	LUMEN	COLOUR	L(mm)	⚠
LED TMS4H3OG	1x66,5W	3000	9800 lm	●	1130	4,7
LED TMS4H3OB	1x66,5W	3000	9800 lm	○	1130	4,7
LED TMS4H4OG	1x66,5W	4000	10500 lm	●	1130	4,7
LED TMS4H4OB	1x66,5W	4000	10500 lm	○	1130	4,7
LED TMS4L3OG	1x46,9W	3000	6510 lm	●	1130	4,7
LED TMS4L3OB	1x46,9W	3000	6510 lm	○	1130	4,7
LED TMS4L4OG	1x46,9W	4000	7000 lm	●	1130	4,7
LED TMS4L4OB	1x46,9W	4000	7000 lm	○	1130	4,7
LED TMS6H3OG	1x104,5W	3000	15400 lm	●	1690	7,1
LED TMS6H3OB	1x104,5W	3000	15400 lm	○	1690	7,1
LED TMS6H4OG	1x104,5W	4000	16500 lm	●	1690	7,1
LED TMS6H4OB	1x104,5W	4000	16500 lm	○	1690	7,1
LED TMS6L3OG	1x73,7W	3000	10230 lm	●	1690	7,1
LED TMS6L3OB	1x73,7W	3000	10230 lm	○	1690	7,1
LED TMS6L4OG	1x73,7W	4000	11000 lm	●	1690	7,1
LED TMS6L4OB	1x73,7W	4000	11000 lm	○	1690	7,1



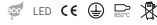
Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	L(mm)	⚠
LED TMS4H3DOG	1x66,5W	3000	9800 lm	●	1130	4,7
LED TMS4H3DOB	1x66,5W	3000	9800 lm	○	1130	4,7
LED TMS4H4DOG	1x66,5W	4000	10500 lm	●	1130	4,7
LED TMS4H4DOB	1x66,5W	4000	10500 lm	○	1130	4,7
LED TMS4L3DOG	1x46,9W	3000	6510 lm	●	1130	4,7
LED TMS4L3DOB	1x46,9W	3000	6510 lm	○	1130	4,7
LED TMS4L4DOG	1x46,9W	4000	7000 lm	●	1130	4,7
LED TMS4L4DOB	1x46,9W	4000	7000 lm	○	1130	4,7
LED TMS6H3DOG	1x104,5W	3000	15400 lm	●	1690	7,1
LED TMS6H3DOB	1x104,5W	3000	15400 lm	○	1690	7,1
LED TMS6H4DOG	1x104,5W	4000	16500 lm	●	1690	7,1
LED TMS6H4DOB	1x104,5W	4000	16500 lm	○	1690	7,1
LED TMS6L3DOG	1x73,7W	3000	10230 lm	●	1690	7,1
LED TMS6L3DOB	1x73,7W	3000	10230 lm	○	1690	7,1
LED TMS6L4DOG	1x73,7W	4000	11000 lm	●	1690	7,1
LED TMS6L4DOB	1x73,7W	4000	11000 lm	○	1690	7,1

Trazzo Mixto



Ceiling suspended mounted
Direct/Indirect



IP
30

CRI
>80

UGR
19

Expectancy
60000 h.
L70B10

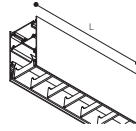
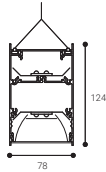
Efficiency (%)
71,5

Photobiological security

RG0	0 Risk free
RG1+	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h

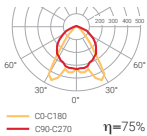
Go to page 172 to learn more



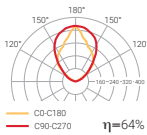
- RAL9016
- RAL9006

Lamelas diffuser

Direct



Indirect



	W	K	LUMEN	COLOUR	L(mm)	
LED TMS4H3LG	1x66,5W	3000	9800 lm	●	1130	4,7
LED TMS4H3LB	1x66,5W	3000	9800 lm	○	1130	4,7
LED TMS4H4LG	1x66,5W	4000	10500 lm	●	1130	4,7
LED TMS4H4LB	1x66,5W	4000	10500 lm	○	1130	4,7
LED TMS4L3LG	1x46,9W	3000	6510 lm	●	1130	4,7
LED TMS4L3LB	1x46,9W	3000	6510 lm	○	1130	4,7
LED TMS4L4LG	1x46,9W	4000	7000 lm	●	1130	4,7
LED TMS4L4LB	1x46,9W	4000	7000 lm	○	1130	4,7
LED TMS6H3LG	1x104,5W	3000	15400 lm	●	1690	7,1
LED TMS6H3LB	1x104,5W	3000	15400 lm	○	1690	7,1
LED TMS6H4LG	1x104,5W	4000	16500 lm	●	1690	7,1
LED TMS6H4LB	1x104,5W	4000	16500 lm	○	1690	7,1
LED TMS6L3LG	1x73,7W	3000	10230 lm	●	1690	7,1
LED TMS6L3LB	1x73,7W	3000	10230 lm	○	1690	7,1
LED TMS6L4LG	1x73,7W	4000	11000 lm	●	1690	7,1
LED TMS6L4LB	1x73,7W	4000	11000 lm	○	1690	7,1



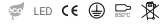
Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	L(mm)	
LED TMS4H3DLG	1x66,5W	3000	9800 lm	●	1130	4,7
LED TMS4H3DLB	1x66,5W	3000	9800 lm	○	1130	4,7
LED TMS4H4DLG	1x66,5W	4000	10500 lm	●	1130	4,7
LED TMS4H4DLB	1x66,5W	4000	10500 lm	○	1130	4,7
LED TMS4L3DLG	1x46,9W	3000	6510 lm	●	1130	4,7
LED TMS4L3DLB	1x46,9W	3000	6510 lm	○	1130	4,7
LED TMS4L4DLG	1x46,9W	4000	7000 lm	●	1130	4,7
LED TMS4L4DLB	1x46,9W	4000	7000 lm	○	1130	4,7
LED TMS6H3DLG	1x104,5W	3000	15400 lm	●	1690	7,1
LED TMS6H3DLB	1x104,5W	3000	15400 lm	○	1690	7,1
LED TMS6H4DLG	1x104,5W	4000	16500 lm	●	1690	7,1
LED TMS6H4DLB	1x104,5W	4000	16500 lm	○	1690	7,1
LED TMS6L3DLG	1x73,7W	3000	10230 lm	●	1690	7,1
LED TMS6L3DLB	1x73,7W	3000	10230 lm	○	1690	7,1
LED TMS6L4DLG	1x73,7W	4000	11000 lm	●	1690	7,1
LED TMS6L4DLB	1x73,7W	4000	11000 lm	○	1690	7,1

Trazzo Mixto



Ceiling suspended mounted
Wallwasher
Direct/Indirect



JP
30

CRI
>80

UGR
19

Expectancy
60000 h.
L70B10

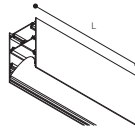
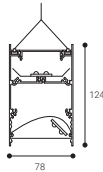
Efficiency (%)
71,5

Photobiological security

RG0	0 Risk free
RG1+	Low risk
RG2	Moderate risk
RG3	High risk

*T₁₀ under 3h

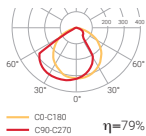
Go to page 172 to learn more



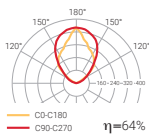
- RAL9016
● RAL9006

Wallwasher diffuser

Direct



Indirect



	W	K	LUMEN	COLOUR	L(mm)	
LED TMS4H3AG	1x66,5W	3000	9800 lm	●	1130	4,7
LED TMS4H3AB	1x66,5W	3000	9800 lm	○	1130	4,7
LED TMS4H4AG	1x66,5W	4000	10500 lm	●	1130	4,7
LED TMS4H4AB	1x66,5W	4000	10500 lm	○	1130	4,7
LED TMS4L3AG	1x46,9W	3000	6510 lm	●	1130	4,7
LED TMS4L3AB	1x46,9W	3000	6510 lm	○	1130	4,7
LED TMS4L4AG	1x46,9W	4000	7000 lm	●	1130	4,7
LED TMS4L4AB	1x46,9W	4000	7000 lm	○	1130	4,7
LED TMS6H3AG	1x104,5W	3000	15400 lm	●	1690	7,1
LED TMS6H3AB	1x104,5W	3000	15400 lm	○	1690	7,1
LED TMS6H4AG	1x104,5W	4000	16500 lm	●	1690	7,1
LED TMS6H4AB	1x104,5W	4000	16500 lm	○	1690	7,1
LED TMS6L3AG	1x73,7W	3000	10230 lm	●	1690	7,1
LED TMS6L3AB	1x73,7W	3000	10230 lm	○	1690	7,1
LED TMS6L4AG	1x73,7W	4000	11000 lm	●	1690	7,1
LED TMS6L4AB	1x73,7W	4000	11000 lm	○	1690	7,1



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	L(mm)	
LED TMS4H3DAG	1x66,5W	3000	9800 lm	●	1130	4,7
LED TMS4H3DAB	1x66,5W	3000	9800 lm	○	1130	4,7
LED TMS4H4DAG	1x66,5W	4000	10500 lm	●	1130	4,7
LED TMS4H4DAB	1x66,5W	4000	10500 lm	○	1130	4,7
LED TMS4L3DAG	1x46,9W	3000	6510 lm	●	1130	4,7
LED TMS4L3DAB	1x46,9W	3000	6510 lm	○	1130	4,7
LED TMS4L4DAG	1x46,9W	4000	7000 lm	●	1130	4,7
LED TMS4L4DAB	1x46,9W	4000	7000 lm	○	1130	4,7
LED TMS6H3DAG	1x104,5W	3000	15400 lm	●	1690	7,1
LED TMS6H3DAB	1x104,5W	3000	15400 lm	○	1690	7,1
LED TMS6H4DAG	1x104,5W	4000	16500 lm	●	1690	7,1
LED TMS6H4DAB	1x104,5W	4000	16500 lm	○	1690	7,1
LED TMS6L3DAG	1x73,7W	3000	10230 lm	●	1690	7,1
LED TMS6L3DAB	1x73,7W	3000	10230 lm	○	1690	7,1
LED TMS6L4DAG	1x73,7W	4000	11000 lm	●	1690	7,1
LED TMS6L4DAB	1x73,7W	4000	11000 lm	○	1690	7,1

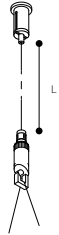
It is recommended the use of suspensions for every 700 mm in linear mounting of the ref: TMS4 and every 1500 mm in the ref: TMS6

Trazzo Mixto

ACCESSORIES

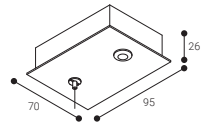
Suspension accessory

	L (m)	COLOUR
1029TZ70	2	A



Connection box and power supply cable

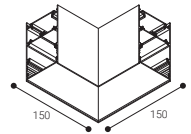
	POWER SUPPLY CABLE LENGTH	COLOUR
ETC1029B	2	○
ETC1029G	2	●
ETC10294MB	4	○
ETC10294MG	4	●



ETC10295PB	2	○
ETC10295PG	2	●
ETC10295P4MB	4	○
ETC10295P4MG	4	●

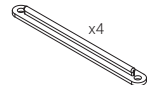
L shaped accessorie

	COLOUR
TZ70M006B	○
TZ70M006G	●



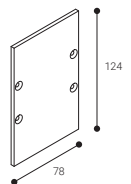
Joining accessory

	COLOUR
TZ70M014	●



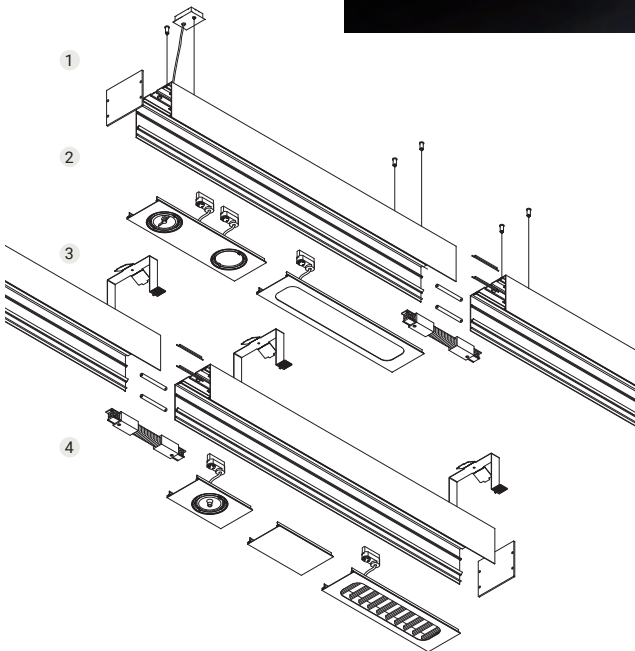
End cover

	COLOUR
TZ70M016B	○
TZ70M016G	●



Cosmos

COSMOS is a mixed structural system for spot and linear lighting. It is made of an extruded and lacquered aluminium profile housing. It can be installed suspended, recessed or ceiling mounted. The set is completed with fast installation lighting modules that enable the lighting properties of the installation to be changed at any point.



- 1 **END CAPS**
Sold separately, they include the terminals of electrified rail. In the embedded version, both caps come with ventilation holes.
- 2 **EXTERNAL PROFILE**
For all the possible configurations and available from 900mm up to 2400mm. Incorporates an electrified rail that guarantees the electrical continuity in all the pieces and with just one power connection.
- 3 **INSTALLATION**
Three options available: Suspended, surface mounted or embedded to the ceiling. Once selected, all the necessary installation accessories will be assigned.
- 4 **MODULES**
Can be configured as projectors or fluorescent fittings, installed with clips that guarantee and simplifies the mounting process. Electrical connection is made by means of a standard adapter.

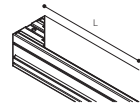
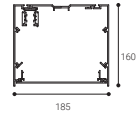
Cosmos

Ceiling
suspended
mountedCeiling
surface
mountedRecessed
in the ceiling

EXTERNAL PROFILE



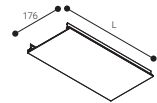
	L(mm)	COLOUR
CS3P0300B	300	○
CS3P0300N	300	●
CS3P0600B	600	○
CS3P0600N	600	●
CS3P0900B	900	○
CS3P0900N	900	●
CS3P1200B	1200	○
CS3P1200N	1200	●
CS3P1500B	1500	○
CS3P1500N	1500	●
CS3P1800B	1800	○
CS3P1800N	1800	●
CS3P2100B	2100	○
CS3P2100N	2100	●
CS3P2400B	2400	○
CS3P2400N	2400	●



BLANK MODULES



	L(mm)	COLOUR
CS3T0300B	300	○
CS3T0300N	300	●
CS3T0600B	600	○
CS3T0600N	600	●
CS3T0900B	900	○
CS3T0900N	900	●
CS3T1200B	1200	○
CS3T1200N	1200	●
CS3T1500B	1500	○
CS3T1500N	1500	●

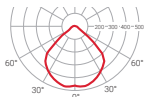


- RAL9016
● RAL9011

Cosmos



Transparent diffuser

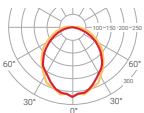


CO-C180
C90-C270 $\eta=93\%$

! DALI REGULATION AVAILABLE



Opal diffuser



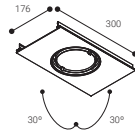
CO-C180
C90-C270 $\eta=75\%$



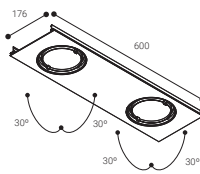
IP
20

UGR
19

CSP1



CSP2



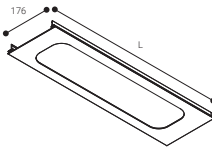
○ RAL9016
● RAL9011

	W	K	LUMEN	COLOUR	
CSP123FB	1x11,8W	3000	1930 lm	○	1,2
CSP123FN	1x11,8W	3000	1930 lm	●	1,2
CSP124FB	1x11,8W	4000	2050 lm	○	1,2
CSP124FN	1x11,8W	4000	2050 lm	●	1,2
CSP223FB	2x11,8W	3000	3860 lm	○	2,4
CSP223FN	2x11,8W	3000	3860 lm	●	2,4
CSP224FB	2x11,8W	4000	4100 lm	○	2,4
CSP224FN	2x11,8W	4000	4100 lm	●	2,4



IP
20

UGR
22



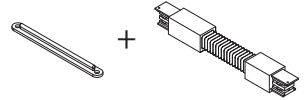
○ RAL9016
● RAL9011

	W	K	LUMEN	COLOUR	L(mm)	
CSS230B	1x26,8W	3000	3040 lm	○	600	2,4
CSS230N	1x26,8W	3000	3040 lm	●	600	2,4
CSS240B	1x26,8W	4000	3360 lm	○	600	2,4
CSS240N	1x26,8W	4000	3360 lm	●	600	2,4
CSS430B	1x53,6W	3000	6080 lm	○	1200	3,2
CSS430N	1x53,6W	3000	6080 lm	●	1200	3,2
CSS440B	1x53,6W	4000	6720 lm	○	1200	3,2
CSS440N	1x53,6W	4000	6720 lm	●	1200	3,2

ACCESSORIES

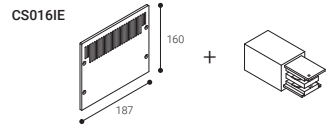
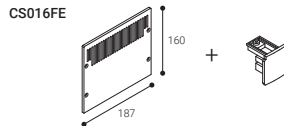
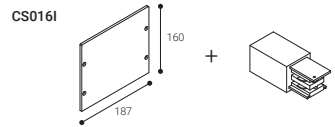
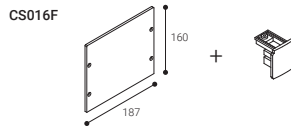
L shape connector accessorie

	COLOUR
CS014	—



Cover

	COLOUR	
CS016FB	○	end cap
CS016FN	●	end cap
CS016FEB	○	end embedded
CS016FEN	●	end embedded
CS016IB	○	starting cap
CS016IN	●	starting cap
CS016IEB	○	embedded starting cap
CS016IEN	●	embedded starting cap



Recessed accessory

	L (mm)
CS0312	600 a 900
CS0313	1200 a 1500
CS0314	1800 a 2100



Suspension accessory

	L (m)	COLOUR	
CS1029L2	2		
CS1029L2AB	2	○	with mains connection box
CS1029L2AN	2	●	with mains connection box





Contelux

The CONTELUX system is an extraordinarily versatile structure that can hold a wide variety of luminaires installed on its metallic trays.

The CONTELUX structures can be fixed directly to the ceiling or be fitted with standard suspensions.

Specially useful when working with high ceiling, since the luminaires can be lowered to the desired height. This way we can use lower

power fittings without giving up a comfortable lighting in this type of installations.

The trays can be blank or can incorporate luminaires, emergency lighting, speakers, electrical sockets, security systems etc.

It is very easy to install and allows an optimization in the maintenance labors.

Compatible fittings



Elit



Elit Max



Elit Mini



Elit Micro



Dorfin



Linnea



For other fittings, please contact us

Contelux

Ceiling
suspended
mountedRecessed
in the ceiling

○ RAL9016
 ● RAL9006
 ● RAL9011

Rail set 2x2000 mm



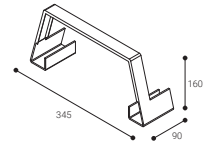
	COLOUR	
MC2000B	○	4,8
MC2000G	●	4,8
MC2000N	●	4,8



End bridge bracket



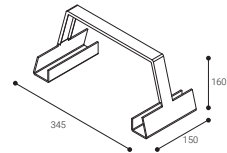
	COLOUR	
MSIB	○	0,65
MSIG	●	0,65
MSIN	●	0,65



Intermediate bridge bracket



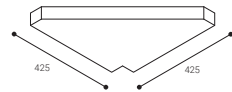
	COLOUR	
MSMB	○	0,65
MSMG	●	0,65
MSMN	●	0,65



L connector



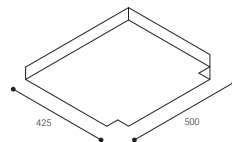
	COLOUR	
MC250B	○	1,1
MC250G	●	1,1
MC250N	●	1,1



T Connector



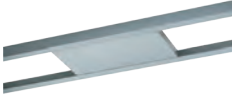
	COLOUR	
MT250B	○	1,8
MT250G	●	1,8
MT250N	●	1,8




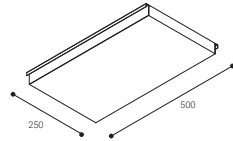
Contelux

○ RAL9016
 ● RAL9006
 ● RAL9011

Blank tray

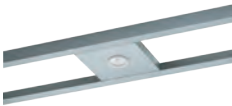
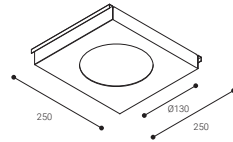


	COLOUR	
M250B	○	0,5
M250G	●	0,5
M250N	●	0,5
M500B	○	0,9
M500G	●	0,9
M500N	●	0,9
M750B	○	1,3
M750G	●	1,3
M750N	●	1,3




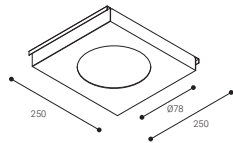
Tray for Elit Mini downlight

	COLOUR	
M250EMB	○	0,5
M250EMG	●	0,5
M250EMN	●	0,5




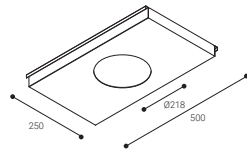
Tray for Elit Micro downlight

	COLOUR	
M250EPB	○	0,5
M250EPG	●	0,5
M250EPN	●	0,5




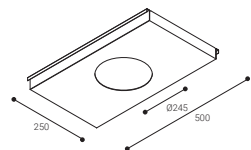
Tray for Elit downlight

	COLOUR	
M500ELB	○	0,9
M500ELG	●	0,9
M500ELN	●	0,9



Tray for Elit Max downlight

	COLOUR	
M500EEB	○	0,9
M500EEG	●	0,9
M500EEN	●	0,9



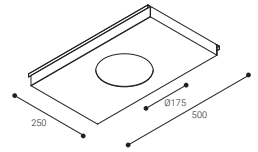
Contelux

○ RAL9016
 ● RAL9006
 ● RAL9011




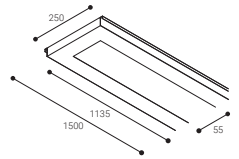
Tray for Dorfin downlight

	COLOUR	
M500DB	○	0,9
M500DG	●	0,9
M500DN	●	0,9



Tray for Linnea profile

	COLOUR	
M1500LB	○	2,6
M1500LG	●	2,6
M1500LN	●	2,6



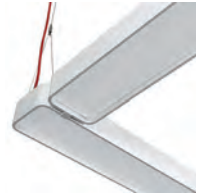
FOR OTHER FINISHES, PLEASE CONTACT US

ACCESSORIES

Suspension accessory

	L (m)	COLOUR
1029L2	2	●
1029L4	4	●





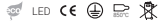
Sycom

SYCOM is a suspended lighting system that creates a distinctive geometry for each installation. The different modules can be combined with one another in multiple ways.

Sycom

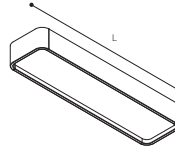
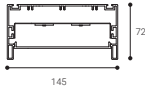


Ceiling suspended mounted
Direct/Indirect



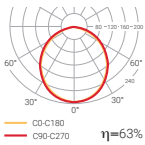
IP
30

UGR
22



○ RAL9016

Opal diffuser



	W	K	LUMEN	COLOUR	L(mm)	
SYS2L3B	1x26,8W	3000	3040 lm	○	584	3,9
SYS2L4B	1x26,8W	4000	3360 lm	○	584	3,9
SYS4L3B	1x53,6W	3000	6080 lm	○	1144	4,9
SYS4L4B	1x53,6W	4000	6720 lm	○	1144	4,9



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	L(mm)	
SYS2L3DB	1x26,8W	3000	3040 lm	○	584	3,9
SYS2L4DB	1x26,8W	4000	3360 lm	○	584	3,9
SYS4L3DB	1x53,6W	3000	6080 lm	○	1144	4,9
SYS4L4DB	1x53,6W	4000	6720 lm	○	1144	4,9

Sycom Projector

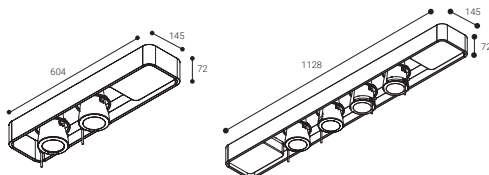


Ceiling suspended mounted
Direct/Indirect



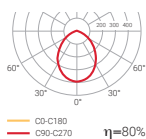
IP
20

UGR
19

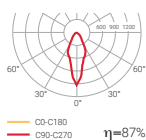


○ RAL9016

Opal diffuser



Transparent diffuser



	W	K	LUMEN	COLOUR	
LED SYP2230B	2x11,8W	3000	3860 lm	○	3,4
LED SYP223SB	2x11,8W	3000	3860 lm	○	3,4
LED SYP2240B	2x11,8W	4000	4100 lm	○	3,4
LED SYP224SB	2x11,8W	4000	4100 lm	○	3,4
LED SYP4230B	4x11,8W	3000	7720 lm	○	6,8
LED SYP423SB	4x11,8W	3000	7720 lm	○	6,8
LED SYP4240B	4x11,8W	4000	8200 lm	○	6,8
LED SYP424SB	4x11,8W	4000	8200 lm	○	6,8

Ref. O Opal diffuser. IP20. UGR22

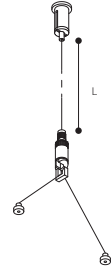
Ref. S Transparent diffuser. IP20. UGR19



ACCESSORIES

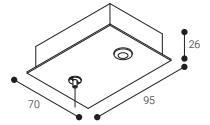
Suspension accessory

	L (m)	COLOUR
1029SYS	2	○
1029SYP	2	○



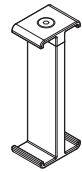
Connection box and power supply cable

	POWER SUPPLY CABLE LENGTH	COLOUR
ETC1029B	2	○
ETC10294MB	4	○



Joining accessory

	COLOUR
SY014B	○



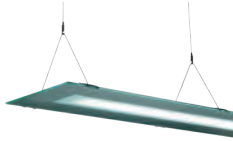
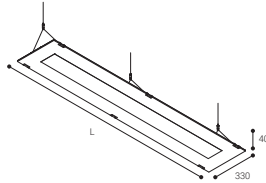


Essentia

ESSENTIA is a spatial luminaire. Manufactured with extruded and anodised aluminium profiles, it primarily stands out because of its flat shape and its decorative glass.

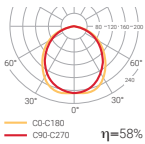
Designed to be suspended, it can also be installed surface mounted.

Essentia

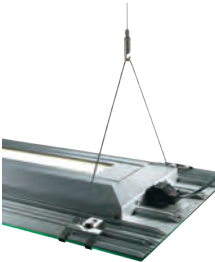
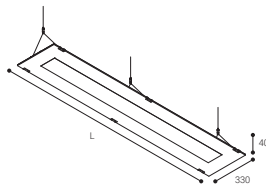
Ceiling suspended
mountedIP
30UGR
22

! DALI REGULATION
AVAILABLE

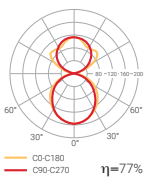
Opal diffuser



	W	K	LUMEN	COLOUR	L(mm)	
ESSD228	2x28W	4000	5200 lm		1430	9,6
ESSD254	2x54W	4000	8900 lm		1430	9,6

Ceiling suspended mounted
Direct/IndirectIP
30UGR
22

Opal diffuser



	W	K	LUMEN	COLOUR	L(mm)	
ESSM228	2x28W	4000	5200 lm		1430	9,4
ESSM254	2x54W	4000	8900 lm		1430	9,4



Coral

CORAL is an LED lighting system based on an extruded and laquered aluminium profile. It might be displayed as suspended or a ceiling mounted fitting.

Ideal solution for lineal structures of light.

Coral

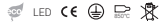
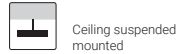
Installation	Ceiling surface mounted Ceiling suspended mounted
Diffuser	<input type="radio"/>
Light source	LED
Photobiological safety	0
UGR	22
CRI	>80
MacAdam ellipse	3
Beam angle range	105
Power range (W)	26,8-53,6
Colour temperature (°K)	3000 4000
Light range	3040-6080
Power factor	0,95
Efficiency (%)	75
Expectancy	70000 h L70B10
DALI Option	
Continuous function 24h	✓
IP	30
Class	I

Opal diffuser



Other CRI values please contact us

Coral



IP
30

CRI
>80

UGR
22

105°

Expectancy
60000 h.
L70B10

Efficiency (%)
75

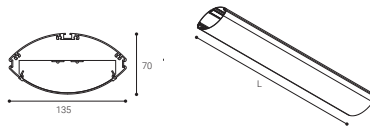
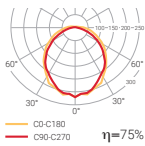
Photobiological security

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

Go to page 172 to learn more

Opal diffuser



○ RAL9016
● RAL9006

	W	K	LUMEN	COLOUR	L(mm)	
C23LOB	1x26,8W	3000	3040 lm	○	580	1,8
C23LOG	1x26,8W	3000	3040 lm	●	580	1,8
C24LOB	1x26,8W	4000	3360 lm	○	580	1,8
C24LOG	1x26,8W	4000	3360 lm	●	580	1,8
C43LOB	1x53,6W	3000	6080 lm	○	1140	3,5
C43LOG	1x53,6W	3000	6080 lm	●	1140	3,5
C44LOB	1x53,6W	4000	6720 lm	○	1140	3,5
C44LOG	1x53,6W	4000	6720 lm	●	1140	3,5

DALI REGULATION AVAILABLE

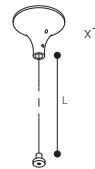
Union accessories included

ACCESSORIES

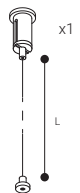
Suspension accessory

	L (m)	COLOUR
1027B	4	○
1027G	4	●
1028B	2	○
1028G	2	●
1029L2	2	○
1029L4	4	○

1027 / 1028

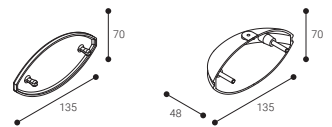


1029



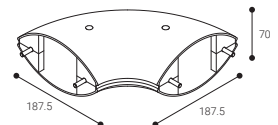
End cover

	COLOUR
C015B	○
C015G	●
C016B	○
C016G	●



Elbow union accessory

	COLOUR
C006B	○
C006G	●






Zafiro

ZAFIRO is a spatial system of reduced dimensions. Specially designed for LED light sources, manufactured from aluminium profile.

Zafiro

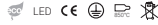
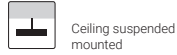
Installation	Ceiling surface mounted Ceiling suspended mounted
Diffuser	
Light source	LED
Photobiological safety	0
UGR	22
CRI	>80
MacAdam ellipse	3
Beam angle range	100
Power range (W)	26,8-57
Colour temperature (°K)	3000 4000
Light range	3040-7740
Power factor	0,95
Efficiency (%)	54,2
Expectancy	70000 h L70B10
DALI Option	✓
Continuous function 24h	✓
IP	30
Class	I

 Opal diffuser



Other CRI values please contact us

Zafiro



IP
30

CRI
>80

UGR
22

100°

Expectancy
70000 h.
L70B10

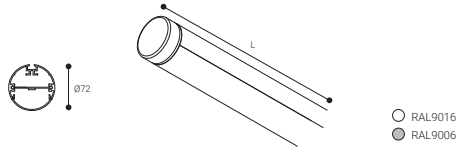
Efficiency (%)
54,2

Photobiological security

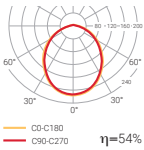
RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

Go to page 172 to learn more



Opal diffuser



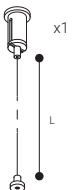
! DALI REGULATION AVAILABLE

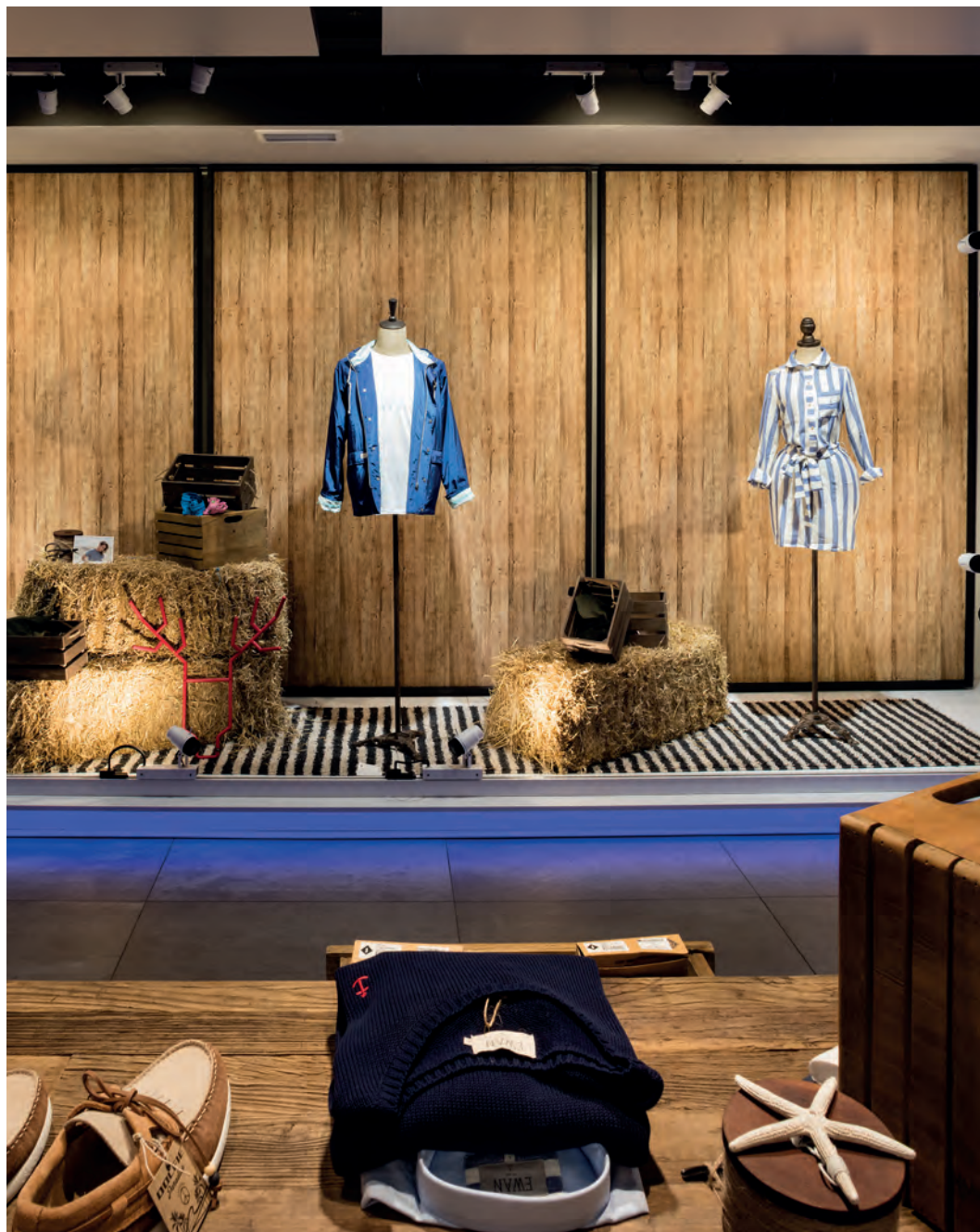
	W	K	LUMEN	COLOUR	L(mm)	
Z4H30B	1x38W	3000	4640 lm	\circ	1190	1,9
Z4H30G	1x38W	3000	4640 lm	\bullet	1190	1,9
Z4H40B	1x38W	4000	5160 lm	\circ	1190	1,9
Z4H40G	1x38W	4000	5160 lm	\bullet	1190	1,9
Z4L30B	1x26,8W	3000	3040 lm	\circ	1190	1,9
Z4L30G	1x26,8W	3000	3040 lm	\bullet	1190	1,9
Z4L40B	1x26,8W	4000	3360 lm	\circ	1190	1,9
Z4L40G	1x26,8W	4000	3360 lm	\bullet	1190	1,9
Z6H30B	1x57W	3000	6960 lm	\circ	1750	2,9
Z6H30G	1x57W	3000	6960 lm	\bullet	1750	2,9
Z6H40B	1x57W	4000	7740 lm	\circ	1750	2,9
Z6H40G	1x57W	4000	7740 lm	\bullet	1750	2,9
Z6L30B	1x40,2W	3000	4560 lm	\circ	1750	2,9
Z6L30G	1x40,2W	3000	4560 lm	\bullet	1750	2,9
Z6L40B	1x40,2W	4000	5040 lm	\circ	1750	2,9
Z6L40G	1x40,2W	4000	5040 lm	\bullet	1750	2,9

ACCESSORIES

Suspension accessory

	L (m)	COLOUR
1029L2	2	\bullet
1029L4	4	\bullet





Projectors

Aqa	351
Dot	355
Area	358
Prolit	364
Nora	367
Rail	369



Aqa

AQA is the new cylindric projector: elegant, attractive and tough.

Three different optics available: Intensive (15°), medium (25°) and extensive (45°).

AQA is available in white, grey and black finishings.

FITTING INTEGRATED IN THE ELECTRIFIED RAIL ADAPTER

Aqa

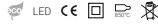
Installation	Electrified rail
Diffuser	○
Light source	LED
Photobiological safety	1
UGR	19
CRI	>80
MacAdam ellipse	3
Beam angle range	15-45
Power range (W)	11,8-25,1
Colour temperature (°K)	3000 4000
Light range	1930-3780
Power factor	0,97
Efficiency (%)	81,83
Expectancy	60000 h L70B10
DALI Option	✓
Continuous function 24h	✓
IP	20
Class	II

○ Without diffuser



Other CRI values please contact us

Aqa



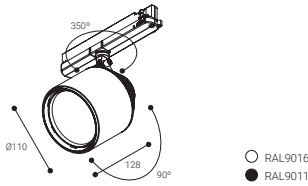
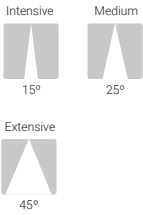
IP 20	CRI >80	UGR 19	15-45°
Expectancy 60000 h. L70B10		Efficiency (%) 81,83	

Photobiological security

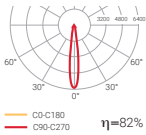
RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

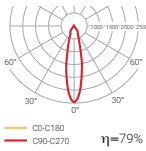
Go to page 172 to learn more



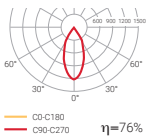
Intensive optics



Medium optics



Extensive optics



	W	K	LUMEN	📐	OPTICS	COLOUR	📏
LED PQ23FB	1x11,8W	3000	1930 lm	45°	Extensive	○	1,1
LED PQ23FN	1x11,8W	3000	1930 lm	45°	Extensive	●	1,1
LED PQ23MB	1x11,8W	3000	1930 lm	25°	Medium	○	1,1
LED PQ23MN	1x11,8W	3000	1930 lm	25°	Medium	●	1,1
LED PQ23SB	1x11,8W	3000	1930 lm	15°	Intensive	○	1,1
LED PQ23SN	1x11,8W	3000	1930 lm	15°	Intensive	●	1,1
LED PQ24FB	1x11,8W	4000	2050 lm	45°	Extensive	○	1,1
LED PQ24FN	1x11,8W	4000	2050 lm	45°	Extensive	●	1,1
LED PQ24MB	1x11,8W	4000	2050 lm	25°	Medium	○	1,1
LED PQ24MN	1x11,8W	4000	2050 lm	25°	Medium	●	1,1
LED PQ24SB	1x11,8W	4000	2050 lm	15°	Intensive	○	1,1
LED PQ24SN	1x11,8W	4000	2050 lm	15°	Intensive	●	1,1
LED PQ33FB	1x17,4W	3000	2650 lm	45°	Extensive	○	1,1
LED PQ33FN	1x17,4W	3000	2650 lm	45°	Extensive	●	1,1
LED PQ33MB	1x17,4W	3000	2650 lm	25°	Medium	○	1,1
LED PQ33MN	1x17,4W	3000	2650 lm	25°	Medium	●	1,1
LED PQ33SB	1x17,4W	3000	2650 lm	15°	Intensive	○	1,1
LED PQ33SN	1x17,4W	3000	2650 lm	15°	Intensive	●	1,1
LED PQ34FB	1x17,4W	4000	2850 lm	45°	Extensive	○	1,1
LED PQ34FN	1x17,4W	4000	2850 lm	45°	Extensive	●	1,1
LED PQ34MB	1x17,4W	4000	2850 lm	25°	Medium	○	1,1
LED PQ34MN	1x17,4W	4000	2850 lm	25°	Medium	●	1,1
LED PQ34SB	1x17,4W	4000	2850 lm	15°	Intensive	○	1,1
LED PQ34SN	1x17,4W	4000	2850 lm	15°	Intensive	●	1,1

Aqa

IP
20CRI
>80 UGR
19 
15-45°Expectancy
60000 h. Efficiency (%)
L70B10 **81,83**

Photobiological security















RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3 h.

Go to page 172 to learn more

○ RAL9016

● RAL9011

	W	K	LUMEN		OPTICS	COLOUR	
 PQ43FB	1x25,1W	3000	3580 lm	45°	Extensive	○	1,1
 PQ43FN	1x25,1W	3000	3580 lm	45°	Extensive	●	1,1
 PQ43MB	1x25,1W	3000	3580 lm	25°	Medium	○	1,1
 PQ43MN	1x25,1W	3000	3580 lm	25°	Medium	●	1,1
 PQ43SB	1x25,1W	3000	3580 lm	15°	Intensive	○	1,1
 PQ43SN	1x25,1W	3000	3580 lm	15°	Intensive	●	1,1
 PQ44FB	1x25,1W	4000	3780 lm	45°	Extensive	○	1,1
 PQ44FN	1x25,1W	4000	3780 lm	45°	Extensive	●	1,1
 PQ44MB	1x25,1W	4000	3780 lm	25°	Medium	○	1,1
 PQ44MN	1x25,1W	4000	3780 lm	25°	Medium	●	1,1
 PQ44SB	1x25,1W	4000	3780 lm	15°	Intensive	○	1,1
 PQ44SN	1x25,1W	4000	3780 lm	15°	Intensive	●	1,1



Aqa

Compatible with **NormaLINK**

	W	K	LUMEN		OPTICS	COLOUR	
PQ23DFB	1x11,8W	3000	1930 lm	45°	Extensive	○	1,1
PQ23DFN	1x11,8W	3000	1930 lm	45°	Extensive	●	1,1
PQ23DMB	1x11,8W	3000	1930 lm	25°	Medium	○	1,1
PQ23DMN	1x11,8W	3000	1930 lm	25°	Medium	●	1,1
PQ23DSB	1x11,8W	3000	1930 lm	15°	Intensive	○	1,1
PQ23DSN	1x11,8W	3000	1930 lm	15°	Intensive	●	1,1
PQ24DFB	1x11,8W	4000	2050 lm	45°	Extensive	○	1,1
PQ24DFN	1x11,8W	4000	2050 lm	45°	Extensive	●	1,1
PQ24DMB	1x11,8W	4000	2050 lm	25°	Medium	○	1,1
PQ24DMN	1x11,8W	4000	2050 lm	25°	Medium	●	1,1
PQ24DSB	1x11,8W	4000	2050 lm	15°	Intensive	○	1,1
PQ24DSN	1x11,8W	4000	2050 lm	15°	Intensive	●	1,1
PQ33DFB	1x17,4W	3000	2650 lm	45°	Extensive	○	1,1
PQ33DFN	1x17,4W	3000	2650 lm	45°	Extensive	●	1,1
PQ33DMB	1x17,4W	3000	2650 lm	25°	Medium	○	1,1
PQ33DMN	1x17,4W	3000	2650 lm	25°	Medium	●	1,1
PQ33DSB	1x17,4W	3000	2650 lm	15°	Intensive	○	1,1
PQ33DSN	1x17,4W	3000	2650 lm	15°	Intensive	●	1,1
PQ34DFB	1x17,4W	4000	2850 lm	45°	Extensive	○	1,1
PQ34DFN	1x17,4W	4000	2850 lm	45°	Extensive	●	1,1
PQ34DMB	1x17,4W	4000	2850 lm	25°	Medium	○	1,1
PQ34DMN	1x17,4W	4000	2850 lm	25°	Medium	●	1,1
PQ34DSB	1x17,4W	4000	2850 lm	15°	Intensive	○	1,1
PQ34DSN	1x17,4W	4000	2850 lm	15°	Intensive	●	1,1
PQ43DFB	25,1W	3000	3580 lm	45°	Extensive	○	1,1
PQ43DFN	25,1W	3000	3580 lm	45°	Extensive	●	1,1
PQ43DMB	25,1W	3000	3580 lm	25°	Medium	○	1,1
PQ43DMN	25,1W	3000	3580 lm	25°	Medium	●	1,1
PQ43DSB	25,1W	3000	3580 lm	15°	Intensive	○	1,1
PQ43DSN	25,1W	3000	3580 lm	15°	Intensive	●	1,1
PQ44DFB	25,1W	3000	3580 lm	45°	Extensive	○	1,1
PQ44DFN	25,1W	3000	3580 lm	45°	Extensive	●	1,1
PQ44DMB	25,1W	4000	3780 lm	25°	Medium	○	1,1
PQ44DMN	25,1W	4000	3780 lm	25°	Medium	●	1,1
PQ44DSB	25,1W	4000	3780 lm	15°	Intensive	○	1,1
PQ44DSN	25,1W	4000	3780 lm	15°	Intensive	●	1,1





Dot

DOT is a square shaped projector for commercial buildings and exhibitions.

Four optic available to cover every possible lighting need: Intensive (14°), medium (27°), extensive (45°) and oval (62° x 16°).

Dot is a range of downlights for electrified rail.



Dot

Installation	Electrified rail
Diffuser	☹
Light source	LED
Photobiological safety	1
UGR	19
CRI	>90
MacAdam ellipse	3
Beam angle range	14-62
Power range (W)	24,6
Colour temperature (°K)	3000 4000
Light range	2700
Power factor	0,9
Efficiency (%)	91,3
Expectancy	50000 h L70B10
DALI Option	✓
Continuous function 24h	✓
IP	20
Class	II

☹ Lente PMMA



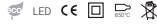
Other CRI values please contact us

Fitting integrated in the electrified rail adapter

Dot



Electrified rail



IP 20

CRI >90 UGR 19

14-62°

Expectancy 50000 h. L70B10

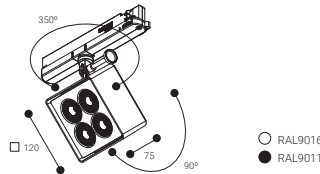
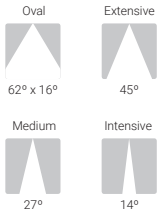
Efficiency (%) 91,3

Photobiological security

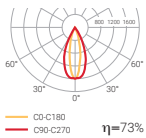
RG0	Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 5h

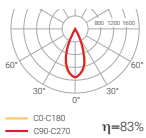
Go to page 172 to learn more



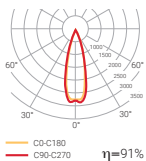
Elliptical optics



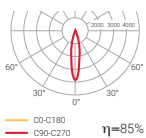
Extensive optics



Medium optics



Intensive optics



	W	K	LUMEN		OPTICS	COLOUR	
LED PD33FB	1x24,6W	3000	2700 lm	45°	Extensive	○	0,98
LED PD33FN	1x24,6W	3000	2700 lm	45°	Extensive	●	0,98
LED PD33MB	1x24,6W	3000	2700 lm	27°	Medium	○	0,98
LED PD33MN	1x24,6W	3000	2700 lm	27°	Medium	●	0,98
LED PD33OB	1x24,6W	3000	2700 lm	62°x16°	Oval	○	0,98
LED PD33ON	1x24,6W	3000	2700 lm	62°x16°	Oval	●	0,98
LED PD33SB	1x24,6W	3000	2700 lm	14°	Intensive	○	0,98
LED PD33SN	1x24,6W	3000	2700 lm	14°	Intensive	●	0,98
LED PD34FB	1x24,6W	4000	2700 lm	45°	Extensive	○	0,98
LED PD34FN	1x24,6W	4000	2700 lm	45°	Extensive	●	0,98
LED PD34MB	1x24,6W	4000	2700 lm	27°	Medium	○	0,98
LED PD34MN	1x24,6W	4000	2700 lm	27°	Medium	●	0,98
LED PD34OB	1x24,6W	4000	2700 lm	62°x16°	Oval	○	0,98
LED PD34ON	1x24,6W	4000	2700 lm	62°x16°	Oval	●	0,98
LED PD34SB	1x24,6W	4000	2700 lm	14°	Intensive	○	0,98
LED PD34SN	1x24,6W	4000	2700 lm	14°	Intensive	●	0,98



Compatible with **NormaLINK**

	W	K	LUMEN		OPTICS	COLOUR	
LED PD33DFB	1x24,6W	3000	2700 lm	45°	Extensive	○	0,98
LED PD33DFN	1x24,6W	3000	2700 lm	45°	Extensive	●	0,98
LED PD33DMB	1x24,6W	3000	2700 lm	27°	Medium	○	0,98
LED PD33DMN	1x24,6W	3000	2700 lm	27°	Medium	●	0,98
LED PD33DOB	1x24,6W	3000	2700 lm	62°x16°	Oval	○	0,98
LED PD33DON	1x24,6W	3000	2700 lm	62°x16°	Oval	●	0,98
LED PD33DSB	1x24,6W	3000	2700 lm	14°	Intensive	○	0,98
LED PD33DSN	1x24,6W	3000	2700 lm	14°	Intensive	●	0,98
LED PD34DFB	1x24,6W	4000	2700 lm	45°	Extensive	○	0,98
LED PD34DFN	1x24,6W	4000	2700 lm	45°	Extensive	●	0,98
LED PD34DMB	1x24,6W	4000	2700 lm	27°	Medium	○	0,98
LED PD34DMN	1x24,6W	4000	2700 lm	27°	Medium	●	0,98
LED PD34DOB	1x24,6W	4000	2700 lm	62°x16°	Oval	○	0,98
LED PD34DON	1x24,6W	4000	2700 lm	62°x16°	Oval	●	0,98
LED PD34DSB	1x24,6W	4000	2700 lm	14°	Intensive	○	0,98
LED PD34DSN	1x24,6W	4000	2700 lm	14°	Intensive	●	0,98

Area

AREA is a versatile projector that is ideal for spot lighting in commercial areas and exhibitions.

AREA has four optics which enable any project to be handled: intensive, medium, extensive and wallwasher.

This is a range of projectors to be installed in electrified rail or surface mounted to the ceiling using an accessorie.



Area

Installation	Electrified rail
Diffuser	☼
Light source	LED
Photobiological safety	1
UGR	19
CRI	>80
MacAdam ellipse	3
Beam angle range	19-46
Power range (W)	25,5-51
Colour temperature (°K)	3000 4000
Light range	2580-5530
Power factor	0,9
Efficiency (%)	91,3
Expectancy	50000 h L70B10
DALI Option	✓
Continuous function 24h	✓
IP	20
Class	I

☼ PMMA lens



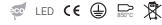
Other CRI values please contact us



Area



Electrified rail



IP **20**

CRI **>80**

UGR **19**

19-46°

Expectancy
50000 h.
L70B10

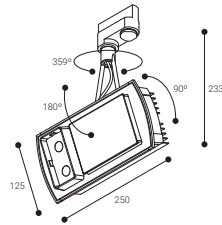
Efficiency (%)
91,3

Photobiological security

RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

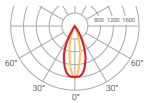
*Time under 3h.

Go to page 172 to learn more



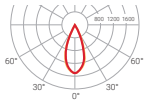
- RAL9016
- RAL9011

Oval optics



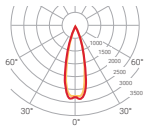
— C0-C180
— C90-C270 **η=73%**

Extensive optics



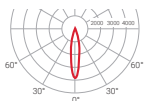
— C0-C180
— C90-C270 **η=83%**

Medium optics



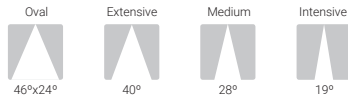
— C0-C180
— C90-C270 **η=91%**

Intensive optics



— C0-C180
— C90-C270 **η=85%**

	W	K	LUMEN	▲	OPTICS	COLOUR	▲
LED PAC33FB	1x25,5W	3000	2580 lm	40°	Extensive	○	2,0
LED PAC33FN	1x25,5W	3000	2580 lm	40°	Extensive	●	2,0
LED PAC33MB	1x25,5W	3000	2580 lm	28°	Medium	○	2,0
LED PAC33MN	1x25,5W	3000	2580 lm	28°	Medium	●	2,0
LED PAC33OB	1x25,5W	3000	2580 lm	46°x24°	Oval	○	2,0
LED PAC33ON	1x25,5W	3000	2580 lm	46°x24°	Oval	●	2,0
LED PAC33SB	1x25,5W	3000	2580 lm	19°	Intensive	○	2,0
LED PAC33SN	1x25,5W	3000	2580 lm	19°	Intensive	●	2,0
LED PAC34FB	1x25,5W	4000	2765 lm	40°	Extensive	○	2,0
LED PAC34FN	1x25,5W	4000	2765 lm	40°	Extensive	●	2,0
LED PAC34MB	1x25,5W	4000	2765 lm	28°	Medium	○	2,0
LED PAC34MN	1x25,5W	4000	2765 lm	28°	Medium	●	2,0
LED PAC34OB	1x25,5W	4000	2765 lm	46°x24°	Oval	○	2,0
LED PAC34ON	1x25,5W	4000	2765 lm	46°x24°	Oval	●	2,0
LED PAC34SB	1x25,5W	4000	2765 lm	19°	Intensive	○	2,0
LED PAC34SN	1x25,5W	4000	2765 lm	19°	Intensive	●	2,0



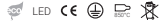
Area

Compatible with **NormaLINK**

	W	K	LUMEN		OPTICS	COLOUR	
PAC33DFB	1x25,5W	3000	2580 lm	40°	Extensive		2,0
PAC33DFN	1x25,5W	3000	2580 lm	40°	Extensive		2,0
PAC33DMB	1x25,5W	3000	2580 lm	28°	Medium		2,0
PAC33DMN	1x25,5W	3000	2580 lm	28°	Medium		2,0
PAC33DOB	1x25,5W	3000	2580 lm	46°x24°	Oval		2,0
PAC33DON	1x25,5W	3000	2580 lm	46°x24°	Oval		2,0
PAC33DSB	1x25,5W	3000	2580 lm	19°	Intensive		2,0
PAC33DSN	1x25,5W	3000	2580 lm	19°	Intensive		2,0
PAC34DFB	1x25,5W	4000	2765 lm	40°	Extensive		2,0
PAC34DFN	1x25,5W	4000	2765 lm	40°	Extensive		2,0
PAC34DMB	1x25,5W	4000	2765 lm	28°	Medium		2,0
PAC34DMN	1x25,5W	4000	2765 lm	28°	Medium		2,0
PAC34DOB	1x25,5W	4000	2765 lm	46°x24°	Oval		2,0
PAC34DON	1x25,5W	4000	2765 lm	46°x24°	Oval		2,0
PAC34DSB	1x25,5W	4000	2765 lm	19°	Intensive		2,0
PAC34DSN	1x25,5W	4000	2765 lm	19°	Intensive		2,0



Area



IP
20

CRI
>80

UGR
19

19-46°

Expectancy
50000 h.
L70B10

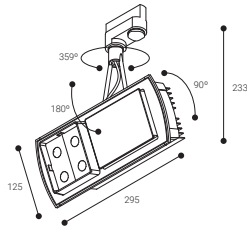
Efficiency (%)
91,3

Photobiological security

RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

Go to page 172 to learn more



- RAL9016
- RAL9011

	W	K	LUMEN	Beam angle	OPTICS	COLOUR	Beam angle
LED PAC53FB	1x51W	3000	5160 lm	40°	Extensive	○	3,0
LED PAC53FN	1x51W	3000	5160 lm	40°	Extensive	●	3,0
LED PAC53MB	1x51W	3000	5160 lm	28°	Medium	○	3,0
LED PAC53MN	1x51W	3000	5160 lm	28°	Medium	●	3,0
LED PAC53OB	1x51W	3000	5160 lm	46°x24°	Oval	○	3,0
LED PAC53ON	1x51W	3000	5160 lm	46°x24°	Oval	●	3,0
LED PAC53SB	1x51W	3000	5160 lm	19°	Intensive	○	3,0
LED PAC53SN	1x51W	3000	5160 lm	19°	Intensive	●	3,0
LED PAC54FB	1x51W	4000	5530 lm	40°	Extensive	○	3,0
LED PAC54FN	1x51W	4000	5530 lm	40°	Extensive	●	3,0
LED PAC54MB	1x51W	4000	5530 lm	28°	Medium	○	3,0
LED PAC54MN	1x51W	4000	5530 lm	28°	Medium	●	3,0
LED PAC54OB	1x51W	4000	5530 lm	46°x24°	Oval	○	3,0
LED PAC54ON	1x51W	4000	5530 lm	46°x24°	Oval	●	3,0
LED PAC54SB	1x51W	4000	5530 lm	19°	Intensive	○	3,0
LED PAC54SN	1x51W	4000	5530 lm	19°	Intensive	●	3,0

Area

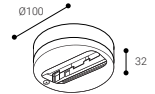
Compatible with **NormaLINK**

	W	K	LUMEN		OPTICS	COLOUR	
PAC53DFB	1x51W	3000	5160 lm	40°	Extensive	○	3,0
PAC53DFN	1x51W	3000	5160 lm	40°	Extensive	●	3,0
PAC53DMB	1x51W	3000	5160 lm	28°	Medium	○	3,0
PAC53DMN	1x51W	3000	5160 lm	28°	Medium	●	3,0
PAC53DOB	1x51W	3000	5160 lm	46°x24°	Oval	○	3,0
PAC53DON	1x51W	3000	5160 lm	46°x24°	Oval	●	3,0
PAC53DSB	1x51W	3000	5160 lm	19°	Intensive	○	3,0
PAC53DSN	1x51W	3000	5160 lm	19°	Intensive	●	3,0
PAC54DFB	1x51W	4000	5530 lm	40°	Extensive	○	3,0
PAC54DFN	1x51W	4000	5530 lm	40°	Extensive	●	3,0
PAC54DMB	1x51W	4000	5530 lm	28°	Medium	○	3,0
PAC54DMN	1x51W	4000	5530 lm	28°	Medium	●	3,0
PAC54DOB	1x51W	4000	5530 lm	46°x24°	Oval	○	3,0
PAC54DON	1x51W	4000	5530 lm	46°x24°	Oval	●	3,0
PAC54DSB	1x51W	4000	5530 lm	19°	Intensive	○	3,0
PAC54DSN	1x51W	4000	5530 lm	19°	Intensive	●	3,0

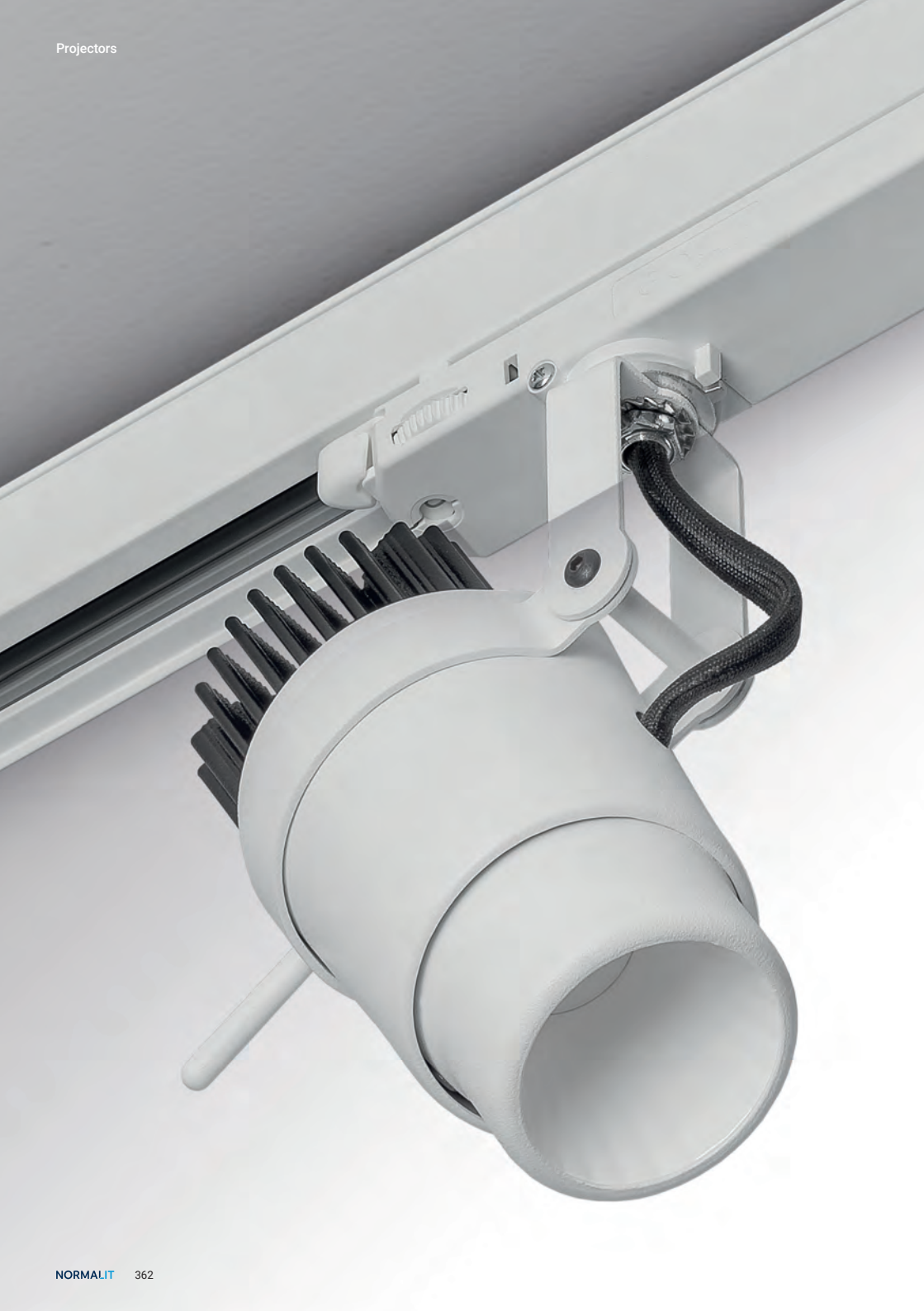
ACCESSORIES

Ceiling mounted accessorie

RAAB
RAAN

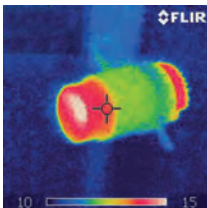


NOT COMPATIBLE WITH DALI FITTINGS



Prolit

The PROLIT projectors stand out thanks to their versatility and the fact that they can be installed in an electric track or mounted on the wall or in the ceiling. The head and the body are made by aluminium injection with a minimalist design. The entire set is lacquered with an epoxy-polyester paint with two different finishes: white or black.



! Always demand the technical datasheets of all the lighting products.

Prolit

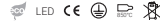
Installation	Ceiling surface mounted Electrified rail
Diffuser	<input type="radio"/>
Light source	LED
Photobiological safety	0
UGR	19
CRI	>80
MacAdam ellipse	3
Beam angle range	32
Power range (W)	11,8-17,4
Colour temperature (°K)	3000 4000
Light range	1930-2850
Power factor	0,95
Efficiency (%)	92,2
Expectancy	60000 h L70B10
DALI Option	<input checked="" type="checkbox"/>
Continuous function 24h	<input checked="" type="checkbox"/>
IP	20
Class	I - II

Without diffuser

! Other CRI values please contact us

Fitting integrated in the electrified rail adapter

Prolit



IP **20** CRI **>80** UGR **19** **32°**

Expectancy **60000 h.**
L70B10

Efficiency (%) **92,2**

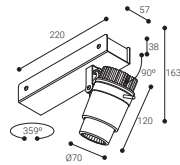
Photobiological security

RG0	0 Risk free
RG1+	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

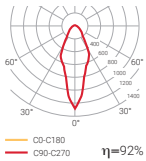
Go to page 172 to learn more

Intensive



○ RAL9016
● RAL9011

Intensive optics



	W	K	LUMEN		COLOUR	
LED PRA23SB	1x11,8W	3000	1930 lm	32°	○	1,1
LED PRA23SN	1x11,8W	3000	1930 lm	32°	●	1,1
LED PRA24SB	1x11,8W	4000	2050 lm	32°	○	1,1
LED PRA24SN	1x11,8W	4000	2050 lm	32°	●	1,1
LED PRA33SB	1x17,4W	3000	2650 lm	32°	○	1,1
LED PRA33SN	1x17,4W	3000	2650 lm	32°	●	1,1
LED PRA34SB	1x17,4W	4000	2850 lm	32°	○	1,1
LED PRA34SN	1x17,4W	4000	2850 lm	32°	●	1,1

Prolit



IP
20

CRI
>80

UGR
19

32°

Expectancy
60000 h.
L70B10

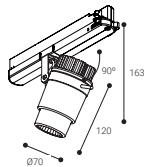
Efficiency (%)
92,2

Photobiological security

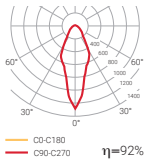
RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

Go to page 172 to learn more



Intensive optics



	W	K	LUMEN		COLOUR	
LED PRS23SB	1x11,8W	3000	1930 lm	32°	○	1,1
LED PRS23SN	1x11,8W	3000	1930 lm	32°	●	1,1
LED PRS24SB	1x11,8W	4000	2050 lm	32°	○	1,1
LED PRS24SN	1x11,8W	4000	2050 lm	32°	●	1,1
LED PRS33SB	1x17,4W	3000	2650 lm	32°	○	1,1
LED PRS33SN	1x17,4W	3000	2650 lm	32°	●	1,1
LED PRS34SB	1x17,4W	4000	2850 lm	32°	○	1,1
LED PRS34SN	1x17,4W	4000	2850 lm	32°	●	1,1



Compatible with **NormaLINK**

	W	K	LUMEN		COLOUR	
LED PRS23DSB	1x11,8W	3000	1930 lm	32°	○	1,1
LED PRS23DSN	1x11,8W	3000	1930 lm	32°	●	1,1
LED PRS24DSB	1x11,8W	4000	2050 lm	32°	○	1,1
LED PRS24DSN	1x11,8W	4000	2050 lm	32°	●	1,1
LED PRS33DSB	1x17,4W	3000	2650 lm	32°	○	1,1
LED PRS33DSN	1x17,4W	3000	2650 lm	32°	●	1,1
LED PRS34DSB	1x17,4W	4000	2850 lm	32°	○	1,1
LED PRS34DSN	1x17,4W	4000	2850 lm	32°	●	1,1



Nora

NORA is the new IP66 projector for outside installations. It is available in black and with glass diffuser. Two different powers: 2300 or 5250 lumens.

Nora

Installation	Ceiling surface mounted Wall surface mounted
Diffuser	<input type="radio"/>
Light source	LED
Photobiological safety	0
UGR	22
CRI	>80
MacAdam ellipse	3
Beam angle range	95
Power range (W)	18,2-35,9
Colour temperature (°K)	4000
Light range	2300-5250
Power factor	0,95
Efficiency (%)	86,8
Expectancy	50000 h L70B10
DALI Option	✓
Continuous function 24h	✓
IP	66
Class	I

Opal diffuser



Other CRI values please contact us

Nora



Ceiling surface mounted



Wall surface mounted



LED CE RoHS IP65

IP 66

CRI >80

UGR 22

95°

Expectancy
50000 h.
L70B10

Efficiency (%)
86,8

Photobiological security

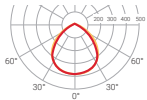
RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

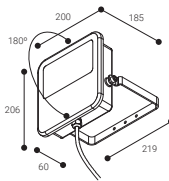
Go to page 172 to learn more



Opal diffuser



— CD-C180
— C90-C270 $\eta=87\%$



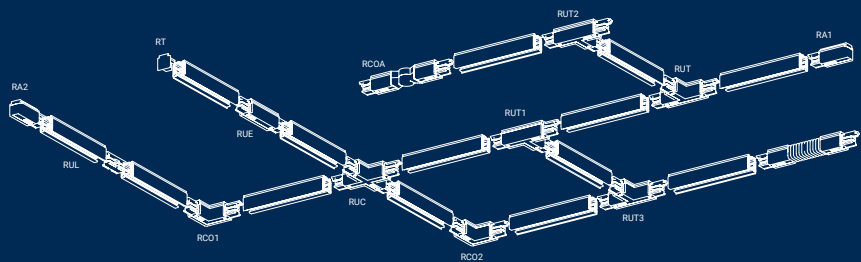
● RAL9011

	W	K	LUMEN		COLOUR	
LED N0340N	1x18,2W	4000	2300 lm	95°	●	1,2
LED N0540N	1x35,9W	4000	5250 lm	95°	●	1,2



Compatible with **NormaLINK**

	W	K	LUMEN		COLOUR	
LED N0340DN	1x18,2W	4000	2300 lm	95°	●	1,2
LED N0540DN	1x35,9W	4000	5250 lm	95°	●	1,2



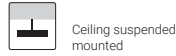
Rail

Normalit RAIL family is a complete system for track lighting; quick and easy to install. Accessories for joinings and suspension complete this system. Its versatility makes it an ideal solution for museums, offices, shops, showcases.

Also it gives so much flexibility to accommodate to new lighting requirements, any change on luminaires position can be done very easily.

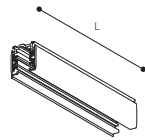
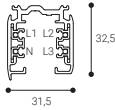


Rail



RAILS

R2-3

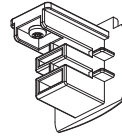


	L (mm)	COLOUR
R2B	2000	○
R2N	2000	●
R3B	3000	○
R3N	3000	●

DALI		L (mm)	COLOUR
R2DB	2000	○	
R2DN	2000	●	
R3DB	3000	○	
R3DN	3000	●	

RT

End cap

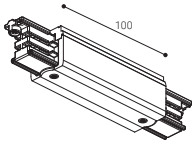


	COLOUR
RTB	○
RTN	●

FEEDERS

RUE

Middle-Feed

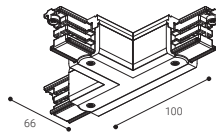


	COLOUR
RUEB	○
RUEB	●

DALI		COLOUR
RUEDN	●	
RUEDB	○	

RUT

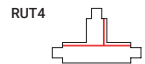
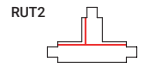
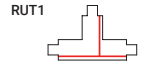
T-Feed



	COLOUR
RUT1B	○
RUT1N	●
RUT2B	○
RUT2N	●
RUT3B	○
RUT3N	●
RUT4B	○
RUT4N	●

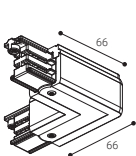
DALI		COLOUR
RUT1DB	○	
RUT1DN	●	
RUT2DB	○	
RUT2DN	●	
RUT3DB	○	
RUT3DN	●	
RUT4DB	○	
RUT4DN	●	

POLARITY



RCO

L-Feed



POLARITY

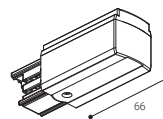


	COLOUR
RCO1B	○
RCO1N	●
RCO2B	○
RCO2N	●

DALI		COLOUR
RCO1DB	○	
RCO1DN	●	
RCO2DB	○	
RCO2DN	●	

RA

Initial-Feed



POLARITY



	COLOUR
RA1B	○
RA1N	●
RA2B	○
RA2N	●

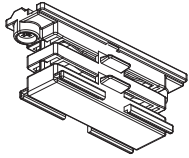
DALI		COLOUR
RA1DB	○	
RA1DN	●	
RA2DB	○	
RA2DN	●	

Rail

CONNECTORS

RUL

Straight connector



COLOUR

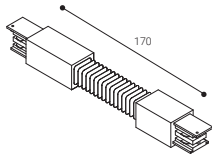
- RULB ○
- RULN ●



- RULDB ○
- RULDN ●

RUF

Flexible connector



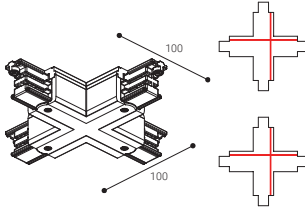
COLOUR

- RUFDB ○
- RUFDN ●



RUC

X-Feed



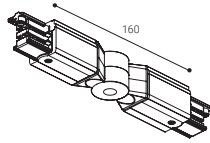
POLARITY

COLOUR

- RUCB ○
- RUCN ●

RCOA

Articulated connector



COLOUR

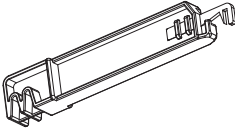
- RCOAB ○
- RCOAN ●

Rail

TOOLS

RH

Bending tool



RE

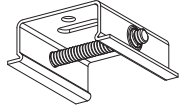
Power supply connection



- 16 A, • 16 A, 250 V/400 V, Safety class 1
- Max. pull strength 100 N
- Max. torque 2,5 Nm
- Connecting conductors max. 5 x 2.5 mm²

RSB

Ceiling mounting accessory



RH

The bending tool is needed to correctly connect the feeders and the connectors.

REB

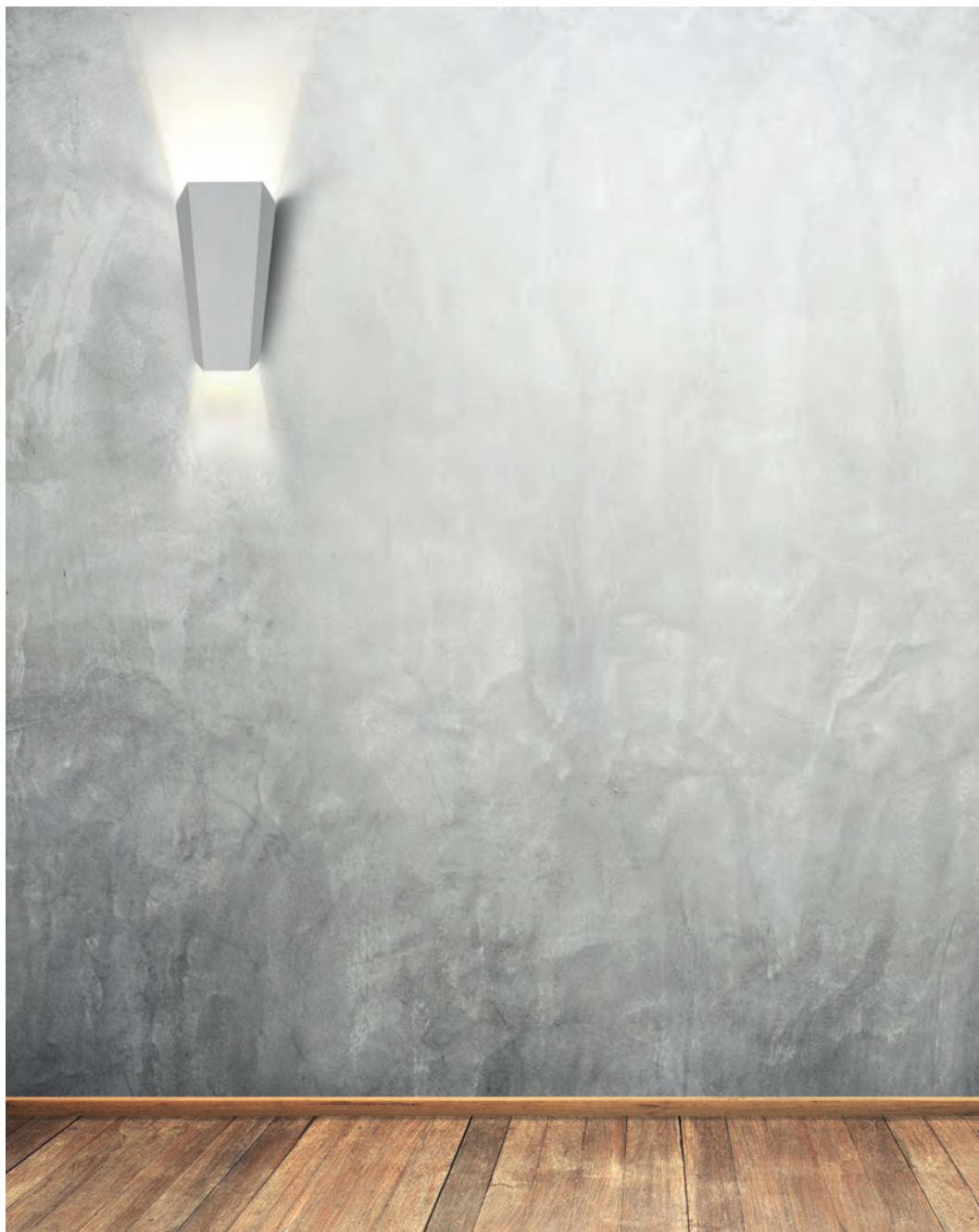
REN

COLOUR



RSB





Ambient

Mural	376
Cyre P	379
Til	380
Uro	381
Passo	382

Mural

Wall mounted luminaire with direct illumination (MURAL) or direct/indirect (MURAL MIXTO) available in three different finishes: white, grey or black.



Mural

Mural Mixto

Installation	Wall surface mounted	Wall surface mounted
Diffuser	○	○
Light source	LED	LED
Photobiological safety	0	0
UGR	22	22
CRI	>80	>80
MacAdam ellipse	3	3
Beam angle range		
Power range (W)	6,7-9,5	13,4-19
Colour temperature (°K)	3000 4000	3000 4000
Light range	760-1290	1520-2580
Power factor	0,95	0,95
Efficiency (%)	65,9	67
Expectancy	70000 h L70B10	70000 h L70B10
DALI Option		
Continuous function 24h	✓	✓
IP	30	30
Class	I	I
Ideal cut out (mm)		

○ Opal diffuser

! Other CRI values please contact us



Mural



Wall surface mounted



IP **30**

CRI **>80**

UGR **22**

Expectancy **70000 h.**
L70B10

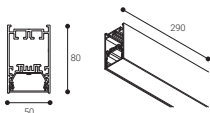
Efficiency (%) **65,9**

Photobiological security

RG0	0 Risk free
RG1+	Low risk
RG2	Moderate risk
RG3	High risk

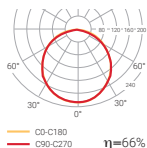
*Time under 3h.

Go to page 172 to learn more



- RAL9016
- RAL9006
- RAL9011

Opal diffuser



	W	K	LUMEN	COLOUR	
MD1H3B	1x9,5W	3000	1160 lm	○	0,8
MD1H3G	1x9,5W	3000	1160 lm	●	0,8
MD1H3N	1x9,5W	3000	1160 lm	●	0,8
MD1H4B	1x9,5W	4000	1290 lm	○	0,8
MD1H4G	1x9,5W	4000	1290 lm	●	0,8
MD1H4N	1x9,5W	4000	1290 lm	●	0,8
MD1L3B	1x6,7W	3000	760 lm	○	0,8
MD1L3G	1x6,7W	3000	760 lm	●	0,8
MD1L3N	1x6,7W	3000	760 lm	●	0,8
MD1L4B	1x6,7W	4000	840 lm	○	0,8
MD1L4G	1x6,7W	4000	840 lm	●	0,8
MD1L4N	1x6,7W	4000	840 lm	●	0,8

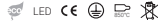


Direct illumination

Mural Mixto



Wall surface mounted



IP **30**

CRI **>80**

UGR **22**

Expectancy **70000 h.**
L70B10

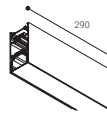
Efficiency (%) **67**

Photobiological security

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

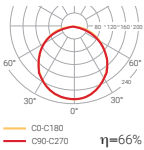
*Time under 3h.

Go to page 172 to learn more

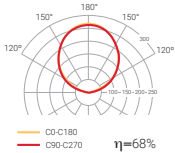


- RAL9016
- RAL9006
- RAL9011

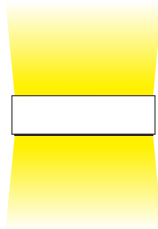
Opal diffuser



Indirect Opal diffuser



	W	K	LUMEN	COLOUR	
MM1H3B	1x19W	3000	2320 lm	○	1,0
MM1H3G	1x19W	3000	2320 lm	●	1,0
MM1H3N	1x19W	3000	2320 lm	●	1,0
MM1H4B	1x19W	4000	2580 lm	○	1,0
MM1H4G	1x19W	4000	2580 lm	●	1,0
MM1H4N	1x19W	4000	2580 lm	●	1,0
MM1L3B	1x13,4W	3000	1520 lm	○	1,0
MM1L3G	1x13,4W	3000	1520 lm	●	1,0
MM1L3N	1x13,4W	3000	1520 lm	●	1,0
MM1L4B	1x13,4W	4000	1680 lm	○	1,0
MM1L4G	1x13,4W	4000	1680 lm	●	1,0
MM1L4N	1x13,4W	4000	1680 lm	●	1,0



Direct / Indirect illumination

Cyre P

CYRE P is the wall mounted version of the CYRE luminaire. Based on an cylindric extruded aluminium profile and a faceted reflector made in high reflection polycarbonate.

Cyre P

Installation	Wall surface mounted
Diffuser	○
Light source	LED
Photobiological safety	1
UGR	19
CRI	>80
MacAdaam ellipse	3
Beam angle range	94
Power range (W)	6,4
Colour temperature (°K)	3000 4000
Light range	760-885
Power factor	0,92
Efficiency (%)	92,9
Expectancy	60000 h L70B10
DALI Option	✓
Continuous function 24h	✓
IP	20
Class	I

○ Without diffuser



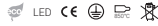
Other CRI values please contact us



Cyre P



Wall surface mounted



IP 20

CRI >80

UGR 19

94°

Expectancy
60000 h.
L70B10

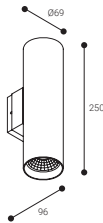
Efficiency (%)
92,9

Photobiological security

RG0	Risk free
RG1*	1 Low risk
RG2	Moderate risk
RG3	High risk

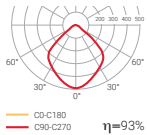
*Time under 3h.

Go to page 172 to learn more



- RAL9016
- RAL9011

Without diffuser



	W	K	LUMEN	COLOUR	
AC03B	1x6,4W	3000	760 lm	○	0,6
AC03N	1x6,4W	3000	760 lm	●	0,6
AC04B	1x6,4W	4000	885 lm	○	0,6
AC04N	1x6,4W	4000	885 lm	●	0,6



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
AC03DB	1x6,4W	3000	760 lm	○	0,6
AC03DN	1x6,4W	3000	760 lm	●	0,6
AC04DB	1x6,4W	4000	885 lm	○	0,6
AC04DN	1x6,4W	4000	885 lm	●	0,6



Til

TIL is a wall lamp with a minimalist design. One by one or in combination it enables empty spaces to be decorated and flooded with light.

Til

Installation	Wall surface mounted
Diffuser	
Light source	LED
Photobiological safety	0
UGR	22
CRI	>80
MacAdam ellipse	3
Beam angle range	
Power range (W)	7
Colour temperature (°K)	3000 4000
Light range	535-615
Power factor	0,5
Efficiency (%)	17,6
Expectancy	36000 h L70B10
DALI Option	
Continuous function 24h	✓
IP	20
Class	I

Other CRI values please contact us

Wall surface mounted
Direct/Indirect



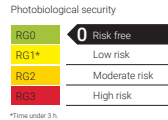
CE

IP 20

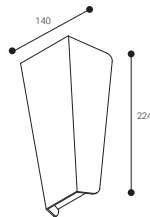
CRI >80 UGR 22

Expectancy **36000 h.**
L70B10

Efficiency (%) **17,6**



Go to page 172 to learn more



- RAL9016
- RAL9006
- RAL9011

	W	K	LUMEN	COLOUR	
AT3B	1x7W	3000	535 lm		0,6
AT3G	1x7W	3000	535 lm		0,6
AT3N	1x7W	3000	535 lm		0,6
AT4B	1x7W	4000	615 lm		0,6
AT4G	1x7W	4000	615 lm		0,6
AT4N	1x7W	4000	615 lm		0,6

Up to 5 years warranty (prior studying each project)

Uro



Uro

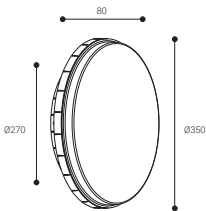
Installation	Ceiling/wall surface mounted
Diffuser	Opal
Light source	LED
Photobiological safety	0
UGR	22
CRI	>80
MacAdam ellipse	3
Beam angle range	112
Power range (W)	18
Colour temperature (°K)	3000 4000
Light range	2250-2400
Power factor	0,9
Efficiency (%)	76,5
Expectancy	50000 h L70B10
DALI Option	✓
Continuous function 24h	✓
IP	65
Class	II



Wall surface mounted



Ceiling surface mounted



IP 65

CRI >80

UGR 22

Expectancy
50000 h.
L70B10

Efficiency (%)
76,5

Photobiological security

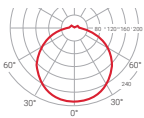
RG0	Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3h.

Go to page 172 to learn more

- RAL9016
- RAL9006
- RAL9011

Opal diffuser



— Cd-C180
— C90-C270 $\eta = 76\%$

	W	K	LUMEN	COLOUR	
LED AU23B	1x18W	3000	2250 lm	○	0,0
LED AU23G	1x18W	3000	2250 lm	●	0,0
LED AU23N	1x18W	3000	2250 lm	●	0,0
LED AU24B	1x18W	4000	2400 lm	○	0,0
LED AU24G	1x18W	4000	2400 lm	●	0,0
LED AU24N	1x18W	4000	2400 lm	●	0,0



Compatible with **NormaLINK**

	W	K	LUMEN	COLOUR	
LED AU23DB	1x18W	3000	2250 lm	○	0,0
LED AU23DG	1x18W	3000	2250 lm	●	0,0
LED AU23DN	1x18W	3000	2250 lm	●	0,0
LED AU24DB	1x18W	4000	2400 lm	○	0,0
LED AU24DG	1x18W	4000	2400 lm	●	0,0
LED AU24DN	1x18W	4000	2400 lm	●	0,0

Passo



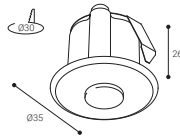
PASSO is a small-sized signalling step light. Available in three different finishes, it can be combined with four colours of LED ensuring its integration into any installation thanks to its 12 different possible combinations. These step lights are powered at 12 Vcc, which is why they need an additional power source to ensure they function correctly.



Embedded to the floor



Step recessed



○ RAL9016

	LED COLOUR	W	COLOUR	△
LED BP12	○	1x0,25W	○	0,1
LED BP12A	●	1x0,25W	○	0,1
LED BP12R	●	1x0,25W	○	0,1
LED BP12V	●	1x0,25W	○	0,1

Up to 5 years warranty (prior studying each project)





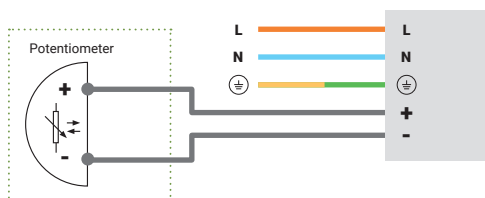
Guide for regulation control

ANALOG REGULATION 1-10V*

Potentiometer functioning:

Press the potentiometer to turn on or off the luminaire.

Move the wheel to increase or reduce the luminic intensity.

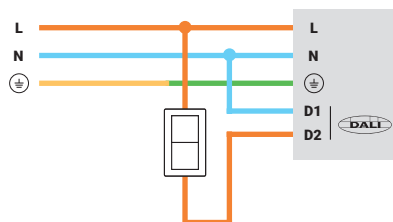


DIGITAL REGULATION WITH PUSH BUTTON*

Push button functioning:

A short press turns the light on or off.

A continuous press adjust the lumen output.



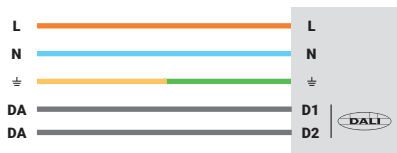
*Regulation option not available on Hat Micro, Hat S, BLOK and BLOK R families.



D DIGITAL DALI REGULATION

DALI Network:

DALI devices are connected with a single bus wire and are identified with unique addresses, so they can be assigned to groups or scenes with a simple programation.



DALI protocol features:

- Maximum number of fittings per line: 64
- Maximum distance: 300 meters
- 2 x 1,5 mm² wire
- No polarity
- Star or tree connections are allowed.
- Closed loops are not allowed.
- Maximum number of DALI groups (per line): 16
- Maximum number of DALI scenes (per line) : 16



NORMADET

Fire detection systems

NORMADET

Fire detection systems

normadet.com

Toxic gases detection



NormaDet
NCMC
Control panels



Detectors

Conventional system



NormaDet
NCC
Conventional fire
detection



NormaDet
NCC-EXT
Extinguishing
control panels



NormaDet
NDC
Conventional fire
detectors



Reflective
beam smoke
detectors



Special
detectors



Manual call
points



Extinguishing
call points



Conventional
sounders



Remote
indicator



Visual signaling
devices

Analogue system



NormaDet
NCA
Analogue addressable
fire detection system



Addressable
fire detectors



Manual call
point with
isolator



Loop powered
sounders with
isolator



Addressable
interface
with isolator

Accessories



Power supply
units



Door holders



Special fire
cables

Test sprays

Toxic gases detection

Detection through **electrochemical probe**

Detection System uses highly accurate and reliable electrochemical sensing cells to provide total control of ventilation systems in car parkings and garages. It incorporates the latest technology to get the highest efficiency and energy savings.





NormaDet NCMC

CERTIFIED PRODUCT. ASK FOR OUR PRODUCTION

Control panels



CONTROL
AND INDICATION

REF.	DESCRIPTION
NCMC1	CO Detection Control Panel with 1 zone module in metal cabinet sized 195 x 195 x 85 mm, and up to 2 zone modules.
NCMC2	CO Detection Control Panel with 2 zone modules in metal cabinet sized 195 x 195 x 85 mm
NCMC3	CO Detection Control Panel with 3 zone modules in metal cabinet sized 488 x 195 x 85 mm, and up to 5 zone modules.
NCMC4	CO Detection Control Panel with 4 zone modules in metal cabinet sized 488 x 195 x 85 mm, and up to 5 zone modules.
NCMC5	CO Detection Control Panel with 5 zone modules in metal cabinet sized 488 x 195 x 85 mm.

Detectors



AUTOMATIC
DETECTION

REF.	DESCRIPTION
NDMC	Electrochemical Carbon Monoxide (CO) detector with high profile mounting base with removal protection. 100 mm diameter.
	FOR THE DETECTION OF TOXIC GASES EMMITTED BY DIESEL VEHICLES (NO2)
NDDN	Electrochemical Nitrogen Dioxide (NO2) detector with high profile mounting base with removal protection. 100 mm diameter.
NDBG	Spare interchangeable mounting base for NDMC & NDDN detector with removal protection.



INSTALLATION WITH TWO POLARITY FREE WIRES IN FREE ARCHITECTURE.

Most relevant features:

- Filters are not required.
- Up to 10 years expected operational life.
- Only 2 wire free architecture installation unpolarized.
- Up to 16 detectors per zone, fully controlled (Address, alarm or fault).
- Programmable ventilation delay for energy saving.
- 3 different programmable level outputs: ventilation, turbo ventilation and alarm.
- Nitrogen Dioxide (NO₂) electrochemical detectors can be integrated in the same detection line with CO detectors.
- UNE-23300-84 certified.

Conventional system

Toughness and quality

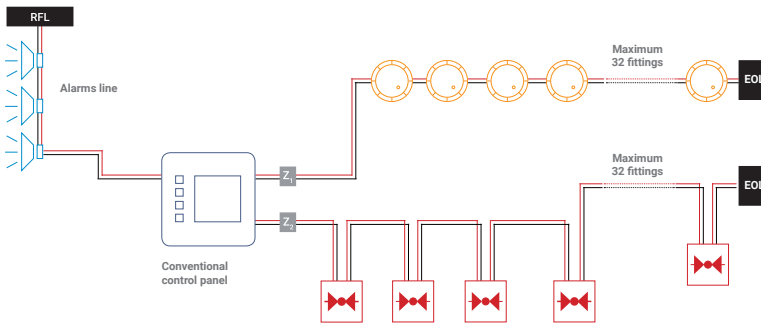
The elements of the system are connected to a control panel through different lines or zones. Each one of them has a limited number of elements connected, which is 32. In case of alarm, the system will show in which line this has been started in but not in which device (of the maximum of 32 connected to that zone).

Among its main advantages:

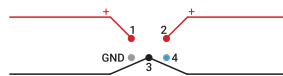
- Simplicity of installation and start-up
- Possibility of creation of a "multi-trademark" system (detectors and control panels from different manufacturers).

This system has been thought to be installed in:

- Small and medium-sized sites.
- Clear sites, such as garages or industrial units.

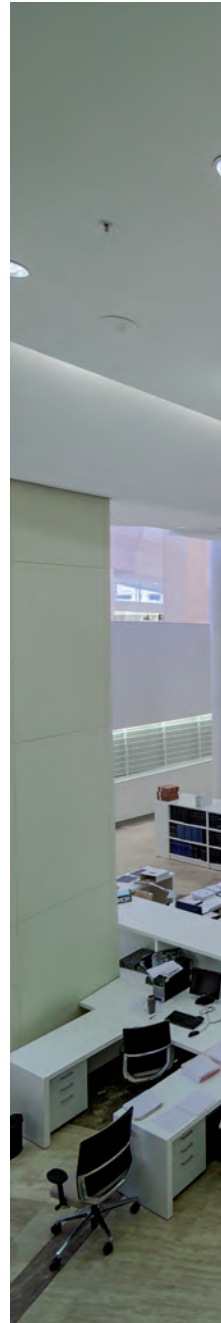


Detail of connection



4 connection used as remote indication pilot

- The number of zones will depend on the fire control panel used.
- A red-black 1 mm² twisted pair of wire must be used
- Polarity must be taken into account
- At the end of the line, there must be placed an end of line resistance
- Maximum wire distance will be 1,000 m.





NormaDet NCC

Conventional fire detection

CERTIFIED PRODUCTS



Control panels



CONTROL
AND INDICATION

REF.	DESCRIPTION
NCC2	2 zones conventional fire detection panel. Size: 281 x 231 x 98 mm. (Small size housing)
NCC4P	4 zones conventional fire detection panel. Size: 281 x 231 x 98 mm. (Small size housing)
NCC4G	4 zones conventional fire detection panel. Size: 339 x 332 x 90 mm. (Large size housing).
NCC8	8 zones conventional fire detection panel. Size: 339 x 332 x 90 mm. (Large size housing).
NCC12	12 zones conventional fire detection panel. Size: 339 x 332 x 90 mm. (Large size housing).
NCC4G-1TR	4 zones conventional fire detection panel, it includes relay uotputs by zone. Dimensions: 339 x 332 x 90 mm. (Large size housing)
NCC8-2TR	8 zones conventional fire detection panel, it includes relay uotputs by zone. Dimensions: 339 x 332 x 90 mm. (Large size housing)
NCC12-3TR	12 zones conventional fire detection panel, it includes relay uotputs by zone. Dimensions: 339 x 332 x 90 mm. (Large size housing)

Batteries

REF.	DESCRIPTION
ACUPL12V2	Rechargeable battery 12V · 2,2Ah.
ACUPL12V7	Rechargeable battery 12V · 7Ah.
ACUPL12V9	Rechargeable battery 12V · 9Ah.

NormaDet NCC



Control unit for fire detection systems in small and medium sized buildings. Robust and reliable, its features allow fast, efficient installation and maintenance, simple operation and an attractive housing.

Most relevant features:

- Microprocessor controlled and easy access code for keypad activation.
- Programmable sounders delay.
- One man test facility.
- Possibility of isolating zones.
- General alarm press button for evacuation function.
- Specific indication for detector's fire alarm or manual call alarm.
- Specific indication of fire zones or sounder line faults.
- 2 supervised sounders output.
- 2 voltage free relays for fire and fault.
- Automatic resettable fuses.
- Different zones output optional module.
- RS-485 output to connect optional communication card (repeaters, communicators, etc)
- EN 54-2 y 4 certified.

NormaDet NCC-EXT

Extinguishing control panels

CERTIFIED PRODUCTS.

EN-12094-1 Certified



Fire extinguishing control panels



CONTROL AND INDICATION

REF.	DESCRIPTION
NCC1EXT	2 zones control panel for 1 sector extinguishing system. Size: 339 x 332 x 90 mm
NCC2EXT	4 zones control panel for 2 different sectors extinguishing systems. Size: 339 x 332 x 90 mm

Batteries

REF.	DESCRIPTION
ACUPL12V2	Rechargeable battery 12V · 2.2Ah.
ACUPL12V7	Rechargeable battery 12V · 7Ah.
ACUPL12V9	Rechargeable battery 12V · 9Ah.



NormaDet NCC-EXT



The NormaDet NCC-EXT series panels have been designed to control fire extinguishing systems in 1 or 2 different sectors with 2 or 4 different detection zones.

Designed for easy handling, installing and maintenance, they have the necessary features to allow automatic control of fire extinguishing systems with all types of agents, in an attractive format.

NormaDet NDC

Conventional fire detectors

CERTIFIED PRODUCTS

EN 54-5 and 7 Certified



Conventional detectors

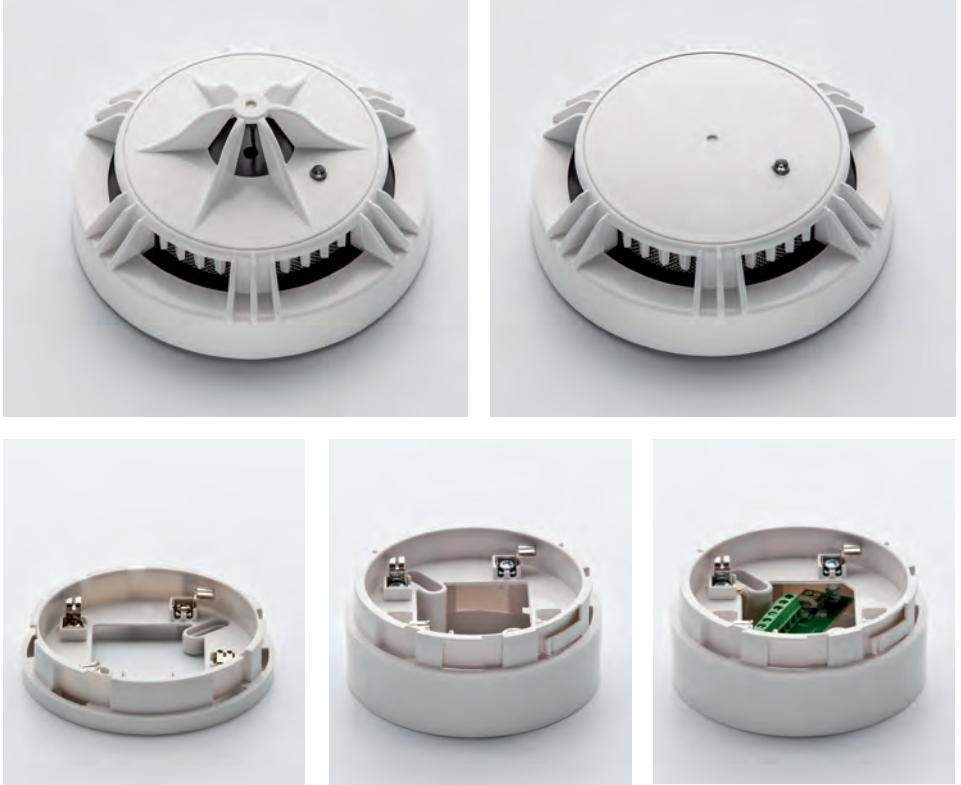


AUTOMATIC
DETECTION

REF	DESCRIPTION
NDCT	Rate of rise heat detector with static response (57°C) ,with low power consumption. Led status indicator and remote led indicator output. Diameter: 100 mm. EN 54-5 certified. Base not included.
NDCO	Optical smoke detector (photo-electric) with low power consumption. Self-checking and chamber maintenance signaling. Led status indicator and remote led indicator output. Diameter: 100 mm. EN 54-7 certified. Base not included.
NDCOT	Optical-Heat multisensor, combines the features of previous detectors to expand the detection range. Low power consumption. Led status indicator and remote led indicator output. Diameter: 100 mm. EN 54-5&7 certified. Base not included.
NDB	Low profile interchangeable mounting base with remote indicator connector and removal protection.
NDBA	High profile interchangeable mounting base with remote indicator connector and removal protection.
NDBASR	High profile interchangeable mounting base with voltage-free relay output. Power 12V.



NormaDet NDC



Smoke detectors for general application in conventional systems. Innovative electronic and mechanical design with locking extraction and ease of assembly. Low power consumption. Special immunity and resistance in difficult environments.

Detectors

Conventional fire detection

CERTIFIED PRODUCT. ASK FOR OUR PRODUCTION

Reflective beam smoke detectors



AUTOMATIC
DETECTION

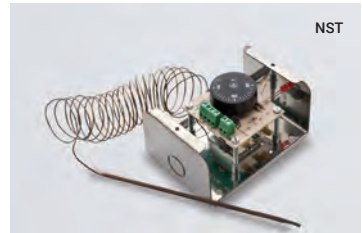
REF.	DESCRIPTION
NDOP-6001R	Reflective beam smoke detector through infrared beam. Includes a transceiver, acting with a wireless prismatic reflector in the opposite side (NOT PROVIDED). Includes a laser tracer that makes it possible to see and adjust the beam with absolute accuracy and in a simple and efficient manner, even through very small spaces. Reaches up to 100m, and has 7.5 m protection on each side (EN-54-14). Measurements: 150x80x80mm. Alarm and breakdown output through potential free relays. Power 10-28 V. EN54-12: CPD 89/106/EWG Certification
NE39-R8	Prismatic reflector for NDOP-6001R for distances comprised between 5 and 50 metres.
N4xE39R8	Set of prismatic reflectors for NDOP-6001R, for distant alarm signalling in high or hidden installations.
NWZ-31	Optional repeater pilot for NDOP-6001R, for distant alarm signalling in high or hidden installations.
NHPD	Optional test and adjustment sheets for NDOP-6001R.
NIS-40	Optional alignment mirror for long distances. For NDOP-40R.

Special detectors



AUTOMATIC
DETECTION

REF.	DESCRIPTION
NST	Adjustable thermal probe for special uses, such as areas close to ovens, extractor hoods, etc. Includes a control unit with regulation between 50 and 300°C placed in a metal box, and an external probe for the distant assessment of the temperature. Detector or push button function. Stainless steel box. 125x90x65 mm. 10/30V - 0/100 mA.
NPU-035	Optical flame detector by ultraviolet radiation detection on the 200 nm wavelength using a gas tube collector electrode. To be used indoors. Detection range up to 17 m and 120° angle. Status indicator LED and a remote pilot output. Power 17-24 V, 20 mA while in alarm mode. NG-33 model base not included. Diameter 110 mm. CNBOP 1987-2005 certification.



EASY INSTALLATION BY MEANS OF LASER

Specially intended to protect spaces where, due to their big dimensions, would be necessary to use a huge number of punctual detectors, or where due to the height there could be difficulties for the detection, installation or maintenance.

Reflective beam smoke detectors are sensitive to the average value of smoke density all along the infrared line. This is why they are especially appropriate to be applied on high ceilings or in those areas where the smoke can be blurred in a high volume before it can be detected, such as monuments, theatres, big sports centres, industrial buildings, storage warehouses, etc. where punctual detectors could be less efficient.

Detectors

Conventional fire detection

CERTIFIED PRODUCTS. SOLICITE NUESTROS CERTIFICADOS

Special detectors



AUTOMATIC
DETECTION



New

REF.	DESCRIPTION
NADR-20N Autodet	Battery operated optical smoke detector for housing uses, it includes a 85 dbA audible alarm, test push button and a check, status and malfunction LED. Powered by a 9V alkaline battery (included) with a lifetime longer than 2 years. Networking between several detectors in order to improve alarm transmission is available. Easy maintenance cleaning of the detection chamber. EN14604:2005 - N°: 1438/CPD/0145
NTUN38-EX	Heat detector intrinsically safe for special applications in areas with a potentially explosive atmosphere. It can be programmed as thermospeedometer or fixed temperature detector, with three different degrees available. Resilient construction in black IP-44 plastic, it includes a cable input with gland. It does not require a base. Status indicator LED and a remote pilot output. Power 17-24 V, 20 mA in alarm mode. Dimensions: 110 x 65 x 55 mm- N° KDB 04ATEX172X certification, classified as Ex: II 2G EEx ib IIC T5/T6
NDUR40-EX	Optical smoke detector intrinsically safe for applications in areas with potentially explosive atmospheres. It includes a compensation circuit able to keep sensibility constant and correct environmental variations. It includes a removable chamber, for maintenance or replacement. Status display LED. Power 12-28 V, 20 mA while in alarm mode. NG-40 base not included. Diameter 115 mm. N° KDB 04ATEX190X certification, classified as II 2G EEx ib IIC T6.
NPU035-EX	Optical intrinsically safe flame detector by ultraviolet radiation detection, similar to model NPU035, for applications in areas with a potentially explosive atmosphere. To be used indoors. Detection range up to 17 m and 120° angle. Status indicator LED and a remote pilot output. Power 17-24 V, 20 mA while in alarm mode. G-33 model base not included. Diameter 110 mm. N° KDB 04ATEX170X certification, classified as II 2G EEx ib IIC T6.
NG-33	Base for NPU0-35 AND NPU0 35 EX flame detectors with two inputs with glands. 118 x 47 mm, IP 23.
NG-40	Base for NDUR-40-EX optical smoke detector with extraction blocking available. 108 x 28,5 mm

Detectors



Call points

Conventional fire detection

CERTIFIED PRODUCTS.

Applus⁺

Manual call points



MANUAL
DETECTION

REF.	DESCRIPTION
NPCR	Manual Call Point with resettable elements and protective cover. Zener diode included to be specifically monitored by the control panel as a "MCP Fire". Semi flush or surface mounting. Reset key included. Size: 105 x 100 x 60 mm. EN 54-11-2001 certified.
NPE	Accessory for flush mounting in standard casing.
NCPE	IP-65 watertight protective casing for NPCR, NPCAM, NPCAZ and NPA manual call points. It includes seal and ancillary devices. It does not include a call point.

Extinguishing call points

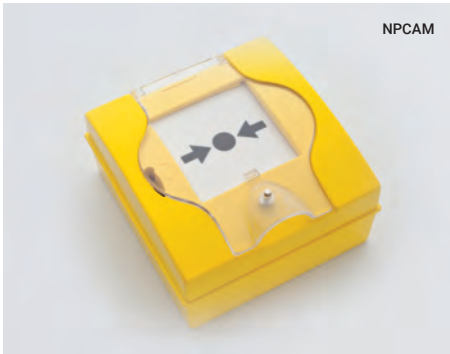


MANUAL
DETECTION

REF.	DESCRIPTION
NPCAM	Extinguishing RELEASE call point (Yellow), with resettable elements, protective cover and precinct.
NPCAZ	Zener diode included. Size: 110 x 105 x 63mm. Extinguishing STOP call point (Blue), with resettable elements, protective cover and precinct. Zener diode included. Size: 110 x 105 x 63mm.



Call points



Alarm signaling devices

Conventional fire detection

CERTIFIED PRODUCTS



Conventional sounders



REF.	DESCRIPTION
NSCI	Indoor sounder with flashing light. Very low consumption (12 mA @24V). 90 db output sound. Tone selector. Anti-panic initial function. Cable entries for surface or flush wiring. Size: 100 x 35 mm. EN 54-3-2001 certified.
NSCE	Outdoor sounder with flashing light. Very low consumption (20 mA@24V). 95 db output sound. Tone selector. Anti-panic initial function. Size: 280 x 197 x 58 mm. Red color with "FIRE" text. EN-54-3-2001 certified.

Remote indicator



REF.	DESCRIPTION
NPILL	Remote led indicator for conventional and analogue fire detectors with compact design and translucent cover with 16 mm tube entry. 3,29 Vcc. Size 65 x 65 x 35 mm. 12-28 V

Visual signaling devices



REF.	DESCRIPTION
NRED	Visual and sound signaling device. "EXTINGUISHANT RELEASED - DO NOT ENTER" is printed on the device. 15-30 V - 40 mA. Size 235x115x60 mm
NRGT	Visual and sound signaling device . "TOXIC GASES - DO NOT ENTER" is printed on the device. 15-30 V - 40 mA. Size 235x115x60 mm.
NRFG	Visual and sound signaling device. "FIRE IN PARKING" is printed on the device. 15-30 V - 40 mA. Size 235x115x60 mm.

Alarm signaling devices



Analogue system

Larger capacity for control and supervision

Easy and quick installation and programming

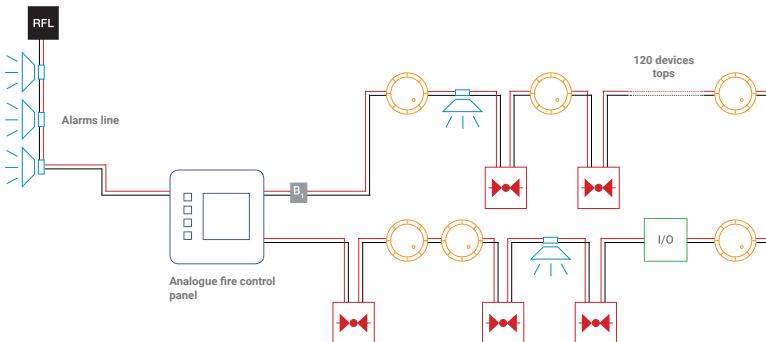
In an addressable system, detection and warning devices are connected to the control panel through various lines or loops. A maximum of 120 devices might be connected to each of these lines.

Main difference with conventional system is that it is possible to know in which specific device an alarm has been detected.

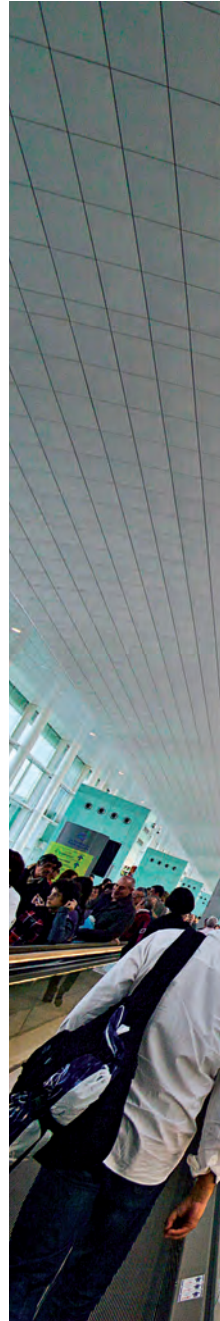
Furthermore, it is possible to integrate control of other important devices - air-conditioning systems, fire doors - into the detection and alarm system.

Buildings in which addressable detection and alarm systems are recommended:

- Administrative buildings
- Airports
- Large commercial stores
- Hotels
- Public buildings
- Hospitals
- Very compartmentalised buildings
- Universities
- Etc.



- The number of loops will be dependant on the fire central used
- Use shielded twisted pair, black and red, 1.5 mm²
- Polarity to be observed
- There are input/output modules available, for other elements (fire doors, air-conditioning systems,...) integration





NormaDet NCA

Analogue addressable fire detection system

CERTIFIED PRODUCTS



Analogue addressable



CONTROL AND INDICATION

REF.	DESCRIPTION
NCA1	1 loop analogue addressable control panel, up to 120 devices capacity. Full control and programming via 3,5" touch sensitive screen. Supervised outputs, TTL, RS232 & card RS-485 connections. Can be expanded in network. Size: 339 x 332 x 90 mm. Room for 2 12V, 9Ah batteries
NCA2	2 loops analogue addressable control panel, up to 120 devices capacity per loop. Full control and programming via 3,5" touch sensitive screen. Supervised outputs, TTL, RS232 & card RS-485 connections. Can be expanded in network. Size: 339 x 332 x 90 mm. Room for 2 12V, 9Ah batteries
NCA-COM	Data cable for PC connection (Back-up software included)

Batteries

REF.	DESCRIPTION
ACUPL12V2	Rechargeable battery 12V · 2,2Ah.
ACUPL12V7	Rechargeable battery 12V · 7Ah.
ACUPL12V9	Rechargeable battery 12V · 9Ah.
ACUPL12V12	Rechargeable battery 12V · 12Ah.

NormaDet NCA



The NormaDet NCA analogue addressable detection system has been developed to suit buildings of various types and sizes due to its flexibility and its low cost.

Belonging to a new generation of systems, it includes the latest trends in analogue detection and management of fire alarms.

Its easiness of programming and addressing via a touch-sensitive screen and its reduced installation requirements, allows significant savings in time and costs, as well as a control and operation efficient and durable.

Most relevant features:

- 3,5" touch sensitive screen with deployment of full QWERTY keypad.
- Full programming and configuration without PC.
- Ability to view the loop map and a floor plan of the building on the screen.
- Up to 120 addressable devices per loop, sounders included.
- All devices can be addressed automatically or individually.
- Device Group Configuration, commands and complex functions.
- Sensitivity adjustment and drift compensation.
- Status information, voltages, battery backup, consumption, etc., at display.
- Short-circuit isolators serial included in MCPs, sounders, and interfaces.
- TTL expansion output for peripherals (relays, extinguishant control card, etc.).
- Output connection for RS-485 card (panel network and repeaters).
- RS-232 output for advanced functions: PC (graphics, software, etc.) and modem (communicator).
- Loop cables up to 1,200 meters long with 2 x 0,75 mm² wires.
- Communication with the various devices on high-immunity modulated frequency.
- Supports standard 4-20 mA devices through addressable input modules.
- EN 54 Certified.

Detectors

Analogue addressable fire detection

ASK FOR OUR CERTIFICATION



Addressable fire detectors



AUTOMATIC
DETECTION

REF.	DESCRIPTION
NDAT	Analogue addressable heat detector. Specifically to be used where, due to airborne contamination, unwanted alarms from smoke detectors can be experienced, or where a fire with high level of energy and heat emission can be expected. Sensitivity levels controlled from panel. Led status indicator and remote indicator output. Diameter: 100 mm. EN 54-5 certified. Base not included.
NDAO	Analogue addressable optical smoke detector. Specifically for general application by smoldering smoke analysis with optical. Sensitivity levels controlled from panel. Led status indicator and remote indicator output. Diameter: 100 mm. EN54-7 certified. Base not included.
NDAOT	Analogue addressable multisensor optical – heat detector. Provides superb risk protection detecting both smoldering smoke and free burning fires with high heat emission. Sensitivity levels controlled from panel. Led status indicator and remote indicator output. Diameter: 100 mm. EN54-5 y 7 certified. Base not included.
NDB	Low profile interchangeable mounting base with remote indicator connector and removal protection.
NDBA	High profile interchangeable mounting base with remote indicator connector and removal protection.

Detectors

NDAT / NDAOT



NDAO



NDB



NDBA



Loop devices

Analogue addressable fire detection

ASK FOR OUR CERTIFICATION



Manual call point with isolator



MANUAL
DETECTION

REF.	DESCRIPTION
NPA	Addressable manual call point with short-circuit isolator included. Resettable. It includes a protective transparent cover. Partially built-in call point available. LED status indicator. Dimensions: 105x100x60 mm. EN54-11 certification.
NPE	Accessory for flush mounting in standard casing.
NCPE	IP-65 watertight protective casing for NPCR, NPCAM, NPCAZ and NPA manual call points. It includes seal and ancillary devices. It does not include a call point.

Loop powered sounders with isolator



ALARM AND
COMMUNICATION

REF.	DESCRIPTION
NSAI	Addressable loop powered indoor sounder with flashing light. Short-circuit isolator included. 95 db output sound. Tone selector. Anti-panic initial function. Cable entries for surface or flush wiring. Size: 100 x 35 mm. EN-54 3-2001 certified.
NSAE	Addressable loop powered outdoor sounder with flashing light. Short-circuit isolator included. 105 db output sound. Tone selector. Anti-panic initial function. Size: 280 x 197 x 58 mm. Red color with "FIRE" text. EN-54 3-2001 certified.

Loop devices



Loop devices

Analogue addressable fire detection

ASK FOR OUR CERTIFICATION

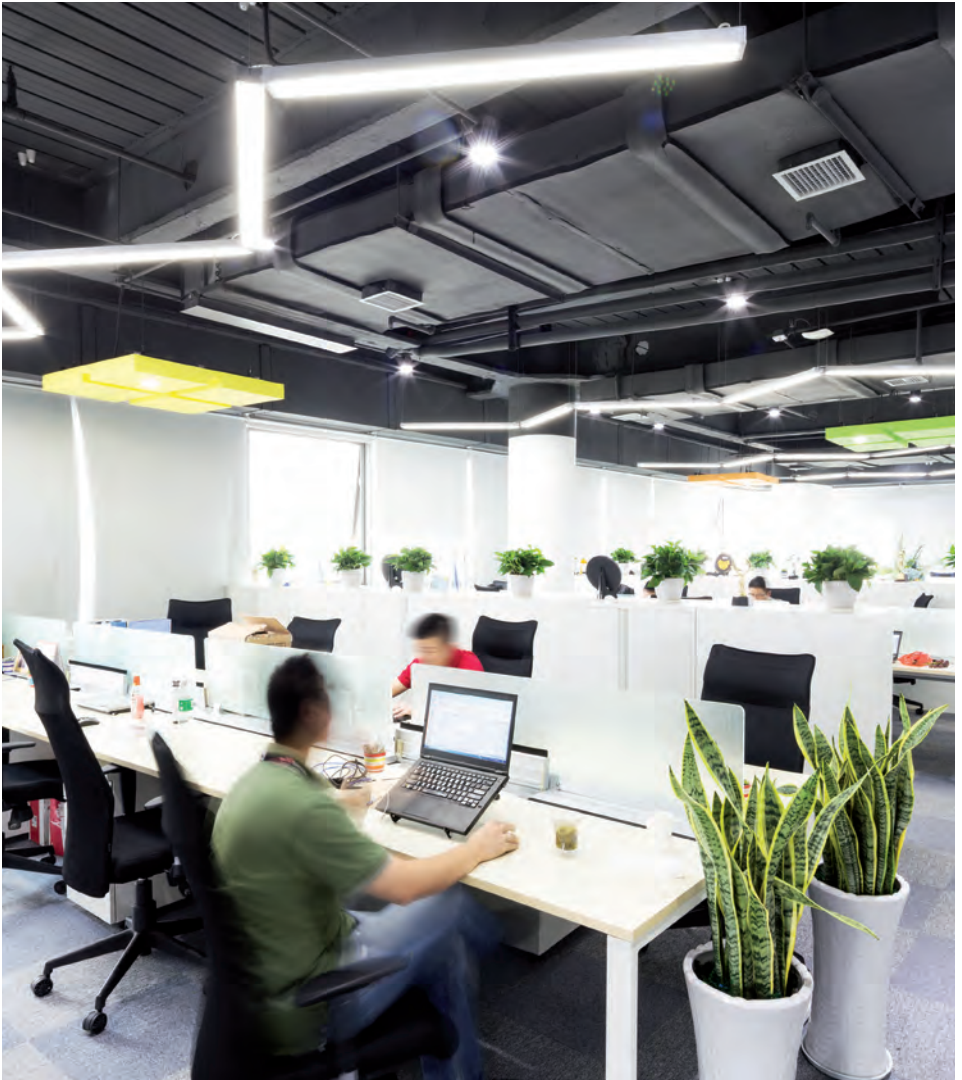


Addressable interface with isolator

I/O I/O INTERFACES

REF.	DESCRIPTION
NMAES	Addressable input / output interface. Loop powered and short-circuit isolator included. Provides a voltage free relay output (2 A a 30 V) to operate other devices like door holders, signaling equipment, elevators, and one single switch input to monitor different signals to be supervised individually by the panel, like door opening, flush detectors, other devices etc.. Led status indicator. Size: 154 x 109 x 50 mm.
NMAC	Addressable conventional zone interface. Loop powered and short-circuit isolator included. Allows power and operation of a zone of conventional detectors giving a collective address in the main panel. Led status indicator. Size: 154 x 109 x 50 mm.
NMA4.20	Format 4-20 mA input interface. Loop powered and short-circuit isolator included. Provides connection with the main system of any standard 4-20 mA format external device to be individually controlled (gas monitoring, level, pressure sensors, etc.). Led status indicator. Size: 154 x 109 x 50 mm.
NMAA	Short-circuit isolator. Allows sensing and isolating faults on the loop avoiding the loss of devices in a short circuit event. Led status indicator. Size: 154 x 109 x 50 mm.

Accessories



Power supply units

Power supply units



POWER SUPPLY
UNITS

REF.	DESCRIPTION
NF12-3	12V 3A Power supply in a 281 x 231 x 98 mm steel casing with space for 1 12V/7A battery. Fault and tamper voltage free outputs.
NF12-6,5	12V 6,5A Power supply in a 312 x 251 x 99 mm steel casing with space for 2 12V/7A batteries. Fault and tamper voltage free outputs.
NF24-2,5	24V 2,5A Power supply in a 281 x 231 x 98 mm steel casing with space for 1 12V/2A batteries.
NF24-5	24V 5A Power supply in a 312 x 251 x 99 mm steel casing with space for 2 12V/7A batteries.
NF24-7,5	24V 7,5 A Power supply in a 312 x 251 x 99 mm steel casing with space for 2 12V/7A batteries.
NFC24-2	24V 2A power supply, EN54-4 certified, with 2 LEDs to indicate the status and a relay output to indicate a possible failure. Metallic box (400 x 350 x 100mm) with capacity for 2 12v 20Ah batteries.

Applus[®]

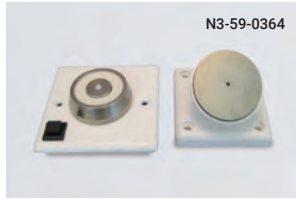
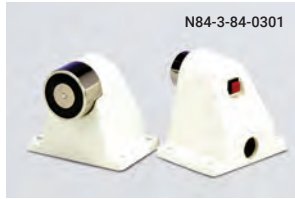
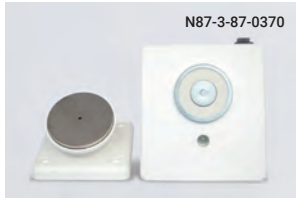
Batteries

REF.	DESCRIPTION
ACUPL12V2	Rechargeable battery 12V · 2,2Ah.
ACUPL12V7	Rechargeable battery 12V · 7Ah.
ACUPL12V9	Rechargeable battery 12V · 9Ah.

Power supply units



Switched-mode power supply units with capacity for batteries. Charge control and short-circuit proof, specific for safety systems.



Door holders



Under specific demand we can supply retainers with special golden or chromed coatings.

REF.	DESCRIPTION
N87-3-87-0370	Electromagnetic door holder to be fixed to walls, with unblocking push button and articulated magnetic plate. 200N force. ABS fire retardant plastic casing. Protection fuse. 24 V, 45 mA. Dimensions: 95 x 85 x 45 mm. EN 1155 certification
N84-3-84-0301	Electromagnetic door holder to be fixed to floors, with unblocking push button and articulated magnetic plate. 200 N force. Very resilient aluminium casing. Protection fuse. 24 V, 45 mA. Dimensions: 110 x 80 x 95
N3-59-0364	Electromagnetic door holder to be built-in walls, universal casing, unblocking push button and articulated magnetic plate. 200 N force. Steel casing. Protection fuse. 24 V, 45 mA. Dimensions: 86 x 86 x 43 mm. EN 1155 certification
N3-79-05200	Universal electromagnetic door holder to be fixed to walls, ceilings or floors. 500N force. Adjustable head and resilient stell structure, 250 mm long, easily shortenable. Unblocking push button and articulated magnetic plate. Protection fuse. 24V, 45 mA.
N59-0801-G006	Electromagnetic door holder with IP-65 environmental protection and sealed cable input. Resilient galvanized steel construction for special applications, even outdoors or maritime. 1,200 N force. Dimensions: 102 (diameter) x 45 mm. It includes articulated magnetic plate. 24 V, 7 W.
N31-0308	Prolongation chain for separated holder and plate installation. 1 m long, shortenable

Twisted cable



Shielded twisted cable



Fire resistant shielded twisted cable



Specific fire safety systems cable, halogen-free according to UNE-50267-2-1 and also fire resistant according to UNE-21025.

Provided in reels of 100 meters.

Special fire cables

REF.	DESCRIPTION
NCABT2x1,5	Twisted cable, 2 x 1.5 red/black. Not shielded, halogen-free
NCABTA2x0,75	Shielded twisted cable, 2 x 0.75, halogen-free (AS) (specific for analogue control panels)
NCABTA2x1,0	Shielded twisted cable, 2 x 1, halogen-free (AS)
NCABTA2x1,5	Shielded twisted cable, 2 x 1.5, halogen-free (AS)
NCABTAFR2x0,75	Shielded twisted cable, 2 x 0.75, halogen-free and fire resistant Ph90 (AS+) (specific for analogue control panel)
NCABTAFR2x1,5	Shielded twisted cable, 2 x 1.5, halogen-free and fire resistant Ph90 (AS+)

Test sprays

REF.	DESCRIPTION
NSOLO A3	Smoke detector test spray. 250 mL can. It does not pollute detector or environment. Not flammable. Can be used manually or with a rod. UL certification
NSOLO C3	CO detector test spray. 250 mL can. It does not pollute detector or environment. Not flammable.



NORCLINIC

Technical systems for hospitals



NORCLINIC

Technical systems for hospitals

When the light should be more than ever
companion, reference and support

NorClinic is placed in the header.

Its range of products integrates accessible night lighting,
reading and ambient lighting, electrical sockets and medical gas outlets.

In hospitalization, residence and intensive care, lines Ardys-P, Ardys-Plus, Ardys,
Trazzo and UC.1.-Oval offers all the functionality and versatility of NorClinic.



Hospitalization

Ardys-P / 428

Ardys-Plus / 434

Ardys-PV / 436

Ardys / 440

ARDYS-S / ARDYS-D / ARDYS-V

Residence

Trazzo / 446

Intensive care

U.C.I.-Oval / 448

Hospitalization

Ardys-P

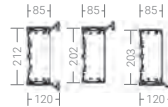
The maximum customization

Ardys-P bedhead unit is a new product that offers the maximum flexibility for the intensive care units, since it is based in a series of profiles with different sizes, that can be combined to create a bedhead units with customized functionalities.

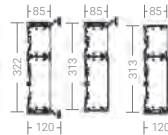
Ardys-P can be installed either vertically or horizontally, and it can be customized as single, double or triple channel and with or without rails.



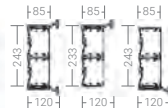
Horizontal customized options



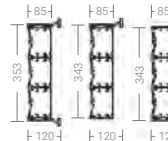
- Channel max electricity / gases with internal crosswise division
- Technical rail up / down or both



- Channel max gases
- Channel small electricity
- Technical rail up / down or both



- Channel small gases
- Channel small electricity
- Technical rail up / down or both

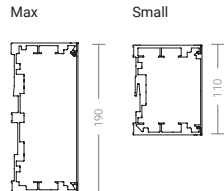


- Channel small gases
- Channel small data
- Channel small electricity
- Technical rail up / down or both

Multiple accessories

- Movable carriage.
- Shelf for monitor.
- Shelf with clamps for rail.
- Monitor support.
- Support for infusion pumps with clamps for rail.
- Infusion pumps support for vertical rail with 2 clamps.
- Infusion pumps support with 2 movable arms and 2 clamps.
- Clamps with rail for vertical bedhead-units.
- Basket with clamps for rail.
- Support for iv-bottles with 2 rail clamps.
- Support with 4 bottles hook rail clamps and wall support.

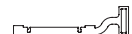
AVAILABLE PROFILES



Union



Technical rail 30x10 / 25x10



Side cover



Horizontal customized options

Completely modular design to meet all the requirements in critical care areas.

It can be configured as a single, double, triple channel, with or without Lighting, with or without medical rails of anodized aluminum 30x10 mm or 25x10 mm.

End caps made of Injected Aluminium or high quality steel.





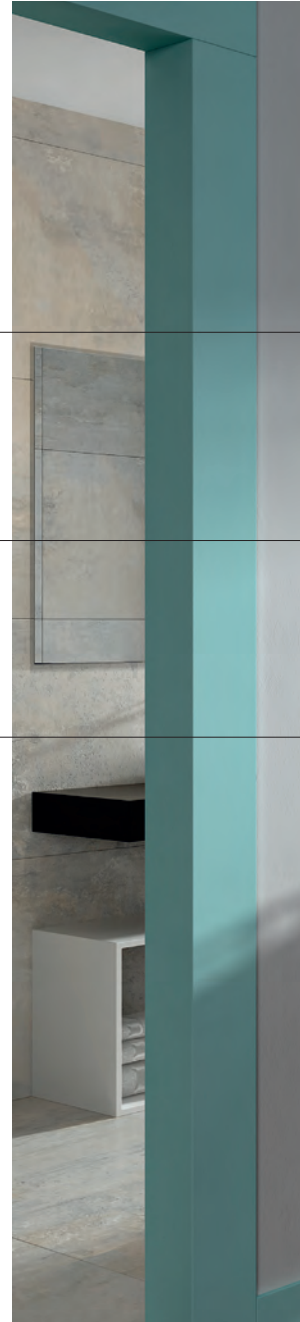
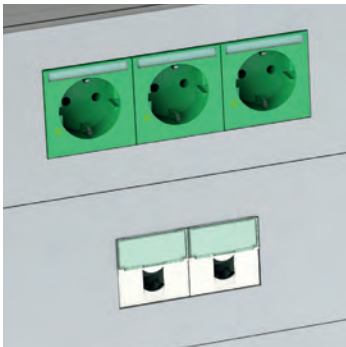
Vertical customized options

Integrated concept that offers multiple options for including components and medical gases in rooms where it is not desired to place a traditional Bed-head unit.

Possibility of forming the unit with one, two or three channels, well integrated in the wall or in a panelled wall.

According to the requirements and design of the Rooms it can be manufactured horizontally, vertically and in different sizes.

Optionally it is also possible to supply the panelled wall, made of a structure in wood or aluminium, is also available.



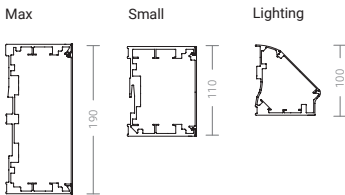


Hospitalization

Ardys-Plus



AVAILABLE PROFILES

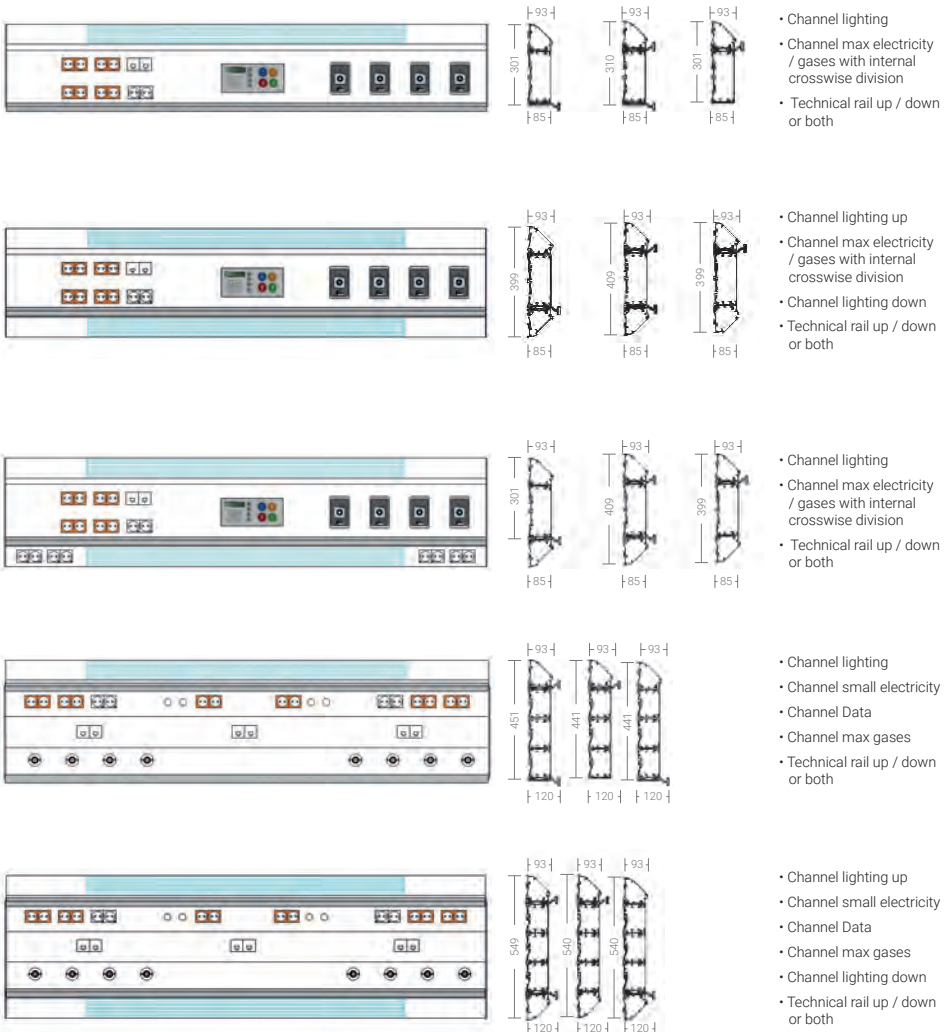


Flexible, customizable and with its own light

Ardys Plus represents the most complete version of the Ardys-P Bed-head unit, as it includes its own lighting at the top and bottom.

By having profiles of different sizes, it offers maximum flexibility and allows to create a Bed-head unit with customized functionalities.

Horizontal customized options



Ardys-PV

Vertical system for hospitalization and intensive care areas
for double or single use rooms.

Cartagena Oak/
smooth



Iroite Oak/
Matt



Memphis
Oak



Chicago
Oak



Warm grey



Silk grey



Leza grey



Tortora



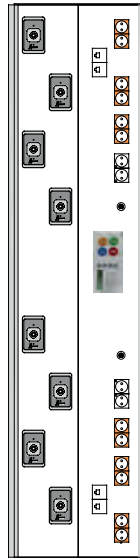
Cream 01



Eo Blue



- 2 channel Max
- 2 side technical rail





Medical gas outlets located in the front of the panels in HPL, available in a wide range of colours or in wooden effect.

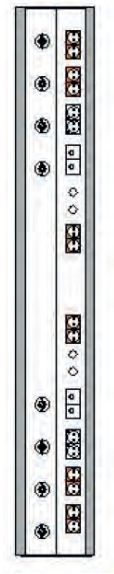
It is made of two aluminium profiles, one on each side, which doubles the capacity of plugs, data inputs, etc.



Vertical customized options

Technical Vertical Channel with horizontal module for lighting, it is the perfect and discreet solution for hospitalization areas, painted with epoxy-polyester in matt white or silver grey, other colors also available on request.

- 2 channel Small
- 2 side technical rail



Special attention has been paid to visual comfort, being the light source not directly visible in order to avoid glaring to patients and healthcare staff.

Vertical channel with internal division for the location of medical gases and electrical equipment with easy access for the user, profile and front cover made of Aluminum fixed by clipping without visible screws.





Ardys

ARDYS-S / ARDYS-D

Wall mounted Bed head unit designed to meet requirements of different hospitalization areas, for one bed, with possibly forming continuous lines for several beds.



The ARDYS system allows the installation of Electricity and gas sockets in accordance with international norms and standards with possibility of different combinations due to its flexible interior design.



Different colors combinations.



Lighting diffusers are made in polycarbonate



End caps made of Injected aluminum or high quality steel.



Hospitalization

Made with extruded aluminum profiles and painted with epoxy-polyester in RAL colors, impact and cleaning products resistant.

Its design gives impression of reduced volume, highly integrated, optimal use of internal space, absolute priority to functionality, ergonomics and maintenance.

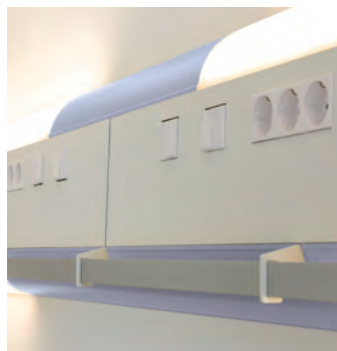
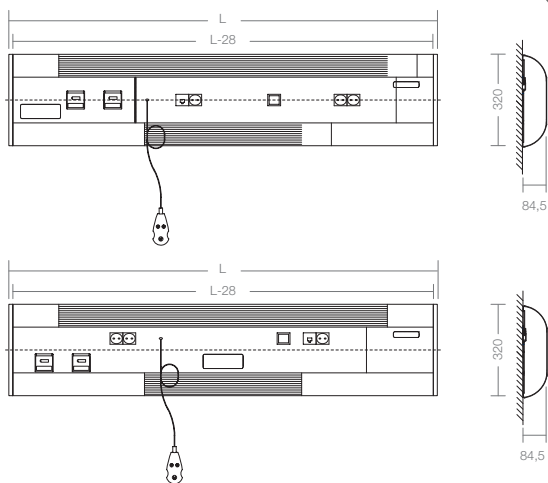
Access to inner parts of the Bed head unit is done by clipping system cover to avoid seeing the screws.



Ardys

ARDYS-S / ARDYS-D

TECHNICAL INFORMATION



Assembly

Bedhead unit mounted on the wall implemented using wall supports fixed in place by screws. The electrical and gas connections are made in the rear part of the bedhead unit by means of recesses in the profile. The connections can optionally be made by through the final plates.

Lighting

Ambient lighting: an independent tray with one or two fluorescent T5 tubes or LED strips located in the upper part of the bedhead unit.

Reading lighting: an independent tray with one or two fluorescent T5 tubes or LED strips located in the lower part of the bedhead unit.

Ambient lighting: an independent tray with a fluorescent T5 mini tube or LED located in the upper or lower part of the bedhead unit.



Specifications

Power outputs: distributed in the front of the bedhead unit. (generally a schuko of 16A-230V). For other standards, please check.

Equipotential inputs equalisation outputs: distributed in the front of the bedhead unit. Please check distribution.

Gas outlets: distributed in the front of the bedhead unit, can be from any manufacturer, compliant with different standards and vary in number at the client's request. Sufficient holes and supports can be left for the outlets to be installed after production.

Other provisions

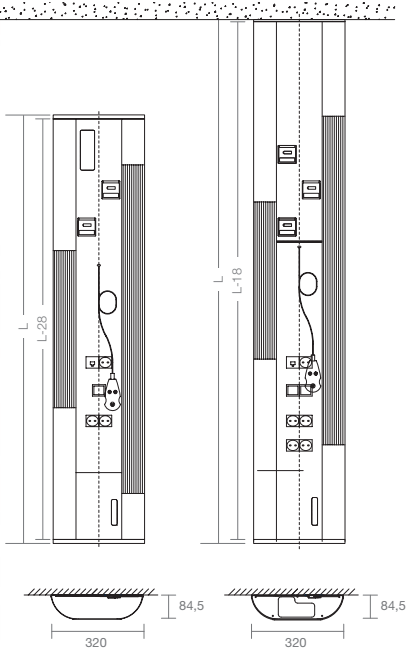
Nurse call, telephone, technical rail (30x10 mm) in the lower part of the headboard over some or all of the length of the bedhead unit for the correct placement of drippers or screen holding trays.



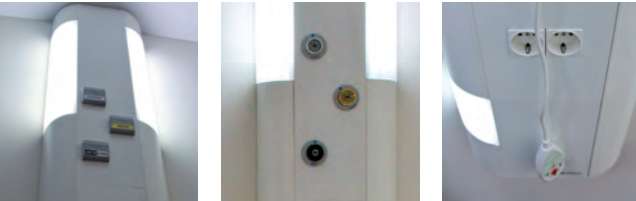
Hospitalization

ARDYS-V

Wall mounted Bed head unit designed to meet requirements of different hospitalization areas, for one bed, with possibly forming continuous lines for several beds.



Its design gives impression of reduced volume, highly integrated, optimal use of internal space, absolute priority to functionality, ergonomics and maintenance.



Access to inner parts of the Bed head unit is done by clipping system covers to avoid seeing the screws.

Made with extruded aluminum profiles and painted with epoxy-polyester in RAL colors, impact and cleaning products resistant.

The ARDYS system allows the installation of Electricity and gas sockets in accordance with international norms and standards with possibility of different combinations due to its flexible interior design.

Different colors combinations. Lighting diffusers are made in polycarbonate.

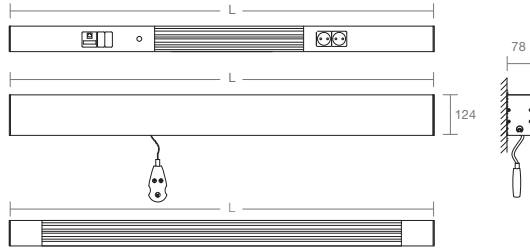
End caps made of Injected aluminum or high quality steel.



Trazzo

MURAL

New concept of BHU specially designed to improve the patient comfort and to reach a homely ambient in day hospitals and geriatric areas.



Wall mounted Bed head unit with a design of pure and neutral lines.



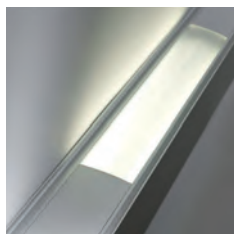


Extruded aluminum body with anodize aluminum finish or painted in white.

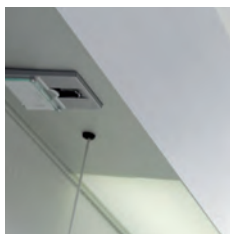
Indirect and direct lighting with T5 fluorescent lamps or LED stripes.



Different combinations of accessories and provisions (nurse call, switches, electrical sockets, telephone socket...)



Double diffuser, upper side: polycarbonate, UVA-proof transparent and micro striated for indirect lighting, lower side: polycarbonate, UVA-proof opal for direct lighting.



Residence

Intensive
care

U.C.I.-Oval

Suspended units for intensive care

The functionality and aesthetics of the new gantry system U.C.I.-OVAL aim to facilitate medical care and optimise the distribution of fittings in intensive care units.

Individual system suspended from the ceiling with the option of forming continuous lines for rooms with several beds. Made with aluminium profiles with an ABS trim.



Additional advantages:

- Access to the patient from all sides.
- All of the functions at a glance.
- Suspended trolleys that can move around and rotate.
- Floor free from obstacles.

It has an oval shape that makes it possible to have a reduced perception of the external volume of the unit, and can be easily integrated with a maximum use of the internal part.

Total priority for ergonomics provision and maintenance.



TECHNICAL INFORMATION



Assembly

Fixed by means of a supporting structure consisting of aluminium profiles, flanges, bolts, tie rods and screws.

Lighting

Ambient lighting: one or two independent trays with a T5 tube or LED strips.

Reading lighting: orientable spot-type with dichroic lamps of 50W-12 W or LEDs.

Monitoring lighting: an independent tray with a T5 lamp or LED.

Specifications

Power supply: 230V-16A and 230V-25A distributed by the two sides.

Gas outlet: distributed across both sides. Sufficient holes for the gas outputs can also be left for subsequent installation.

Other provisions

Nurse call, microphone and speaker, audio-visual and monitoring outputs.

Trolleys with trays or various accessories which can slide along the length by means of bearings that flow above the tread profiles integrated into the gantry can be suspended and can be coupled to this in an intuitive way.



U.C.I.-Oval

Accessories

Two trolleys that move along the length of the U.C.I.-OVAL gantry can be suspended on it by means of bearings integrated into the gantry. These suspended trolleys rotate at an angle of 300 degrees and incorporate a handle which mobilizes both their rotation and their movement.

DRY TROLLEY

For U.C.I.-OVAL bedhead units composed of the following basic components:

- 1 standard carousel which can be moved laterally and is made of aluminium and painted with an epoxy-polyester.
- 2 vertical matt stainless steel bars of \varnothing 38 mm with a cap in the lower part L = 1.5 m. See other lengths.

Accessories:

- Compact supports.
- Supports for leaks with rail fixing.
- Half-tray to carry instruments.
- Extendable arm.
- Exterior or interior double rail.
- Single or double draw unit with a tray.

WET TROLLEY

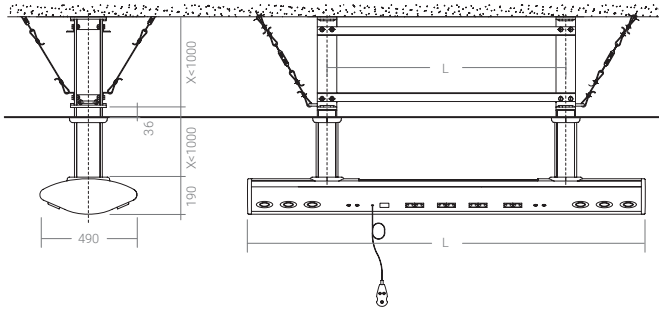
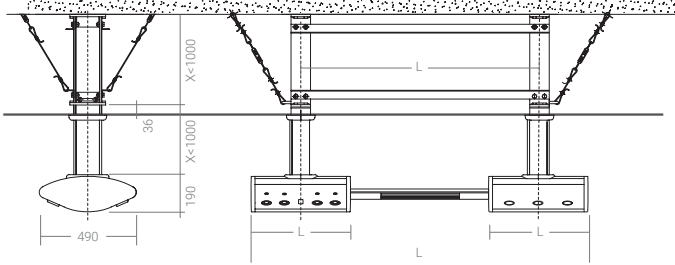
For U.C.I.-OVAL bedhead units composed of the following basic components:

- 1 standard carousel which can be moved laterally and is made of aluminium and painted with an epoxy-polyester.
- 1 vertical matt stainless steel bar of \varnothing 38 mm with a cap in the lower part L = 1.5 m. See other lengths.

Accessories:

- Compact supports.
- Supports for leaks with rail fixing.
- Half-tray to carry instruments.
- Extendable arm.
- Exterior or interior double rail.







Handwriting practice lines consisting of 20 horizontal dotted lines.





NORMALUX

Emergency lighting
normalux.com

NORMADET

Fire detection systems
normadet.com

NORMALIT

Technical and architectural lighting
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NORCLINIC

Technical systems for hospitals
norclinic.com



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