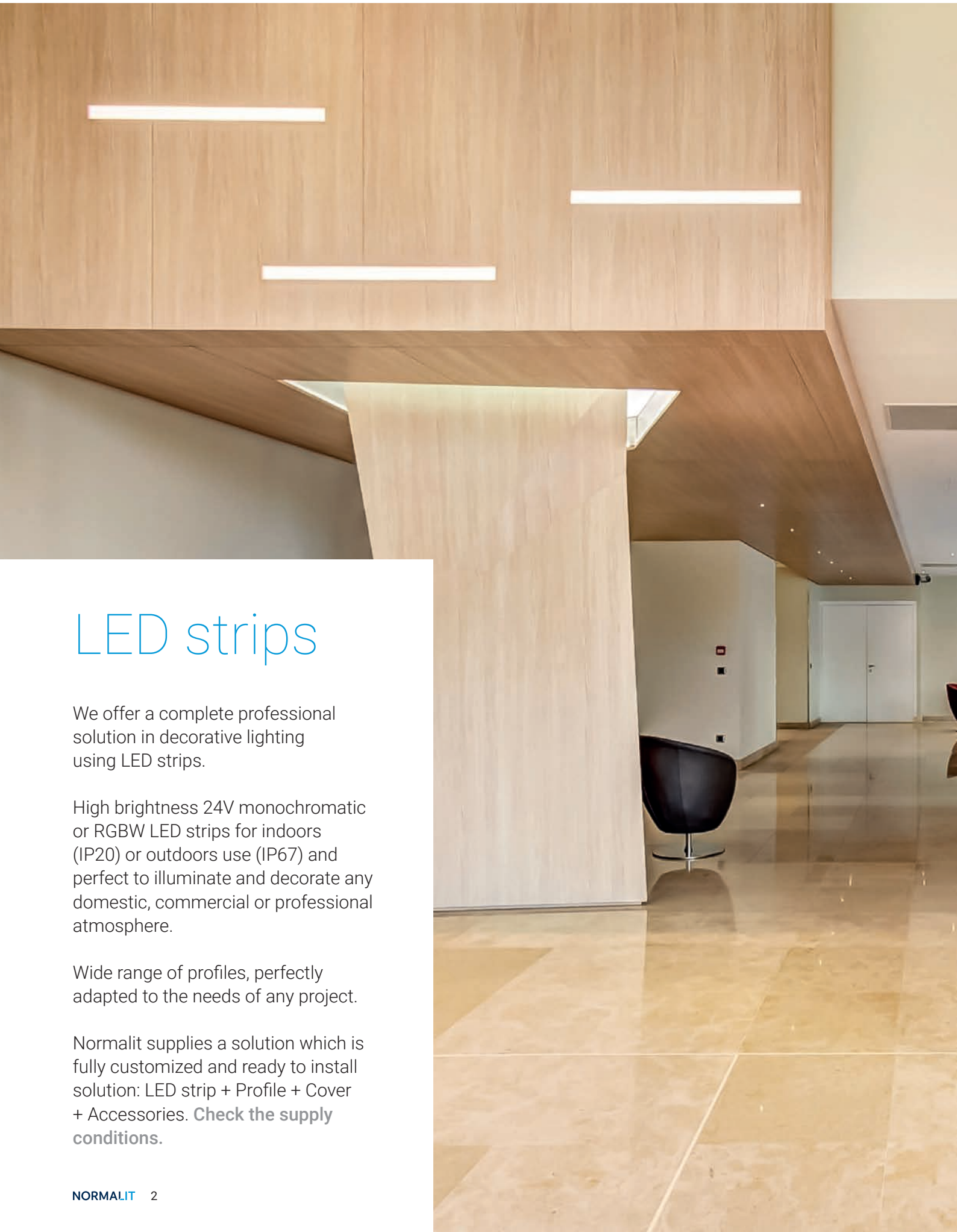
Technical and
architectural lighting

LED strips

NORMALIT
by Normagrup



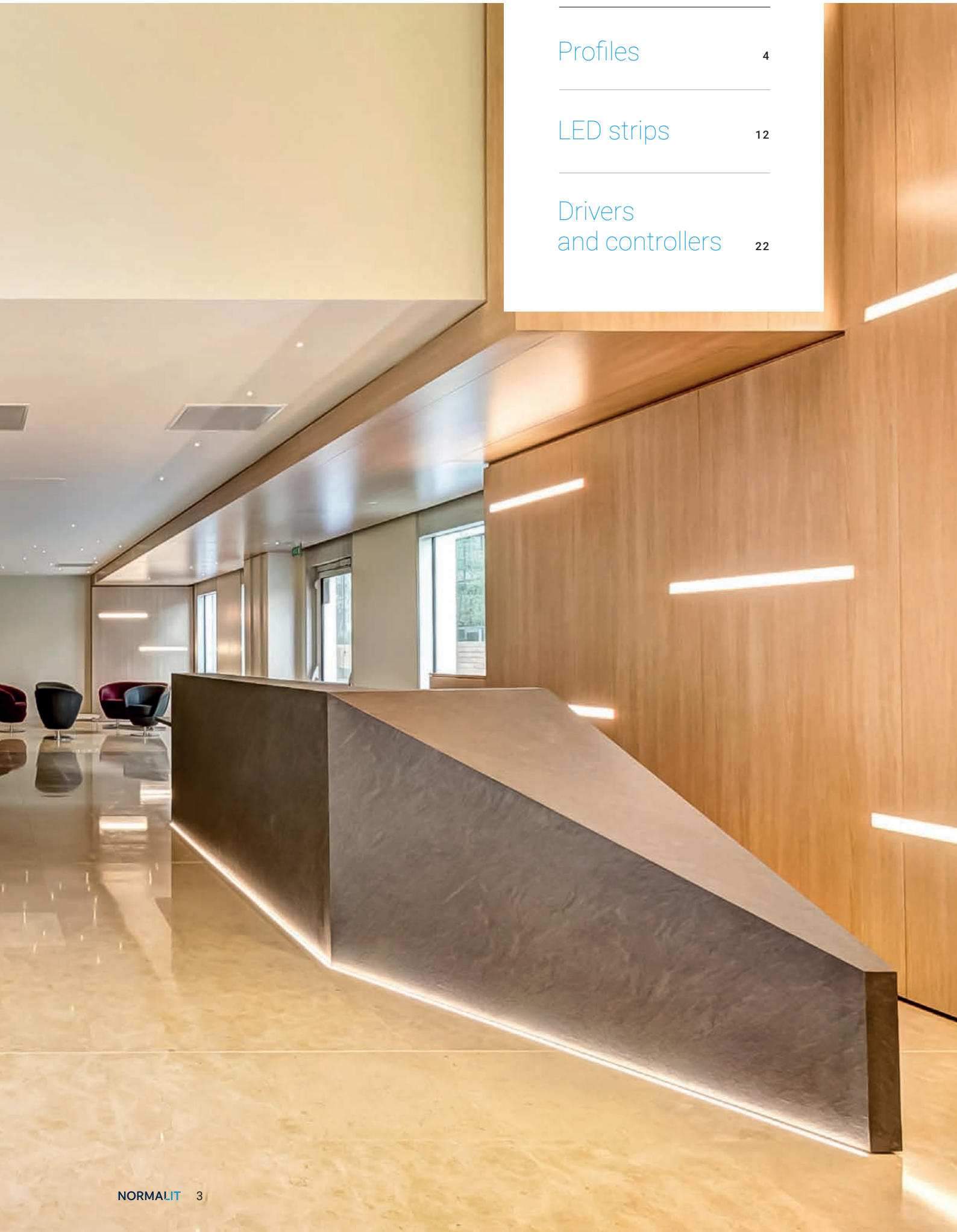
LED strips

We offer a complete professional solution in decorative lighting using LED strips.

High brightness 24V monochromatic or RGBW LED strips for indoors (IP20) or outdoors use (IP67) and perfect to illuminate and decorate any domestic, commercial or professional atmosphere.

Wide range of profiles, perfectly adapted to the needs of any project.

Normalit supplies a solution which is fully customized and ready to install solution: LED strip + Profile + Cover + Accessories. **Check the supply conditions.**



Profiles 4

LED strips 12

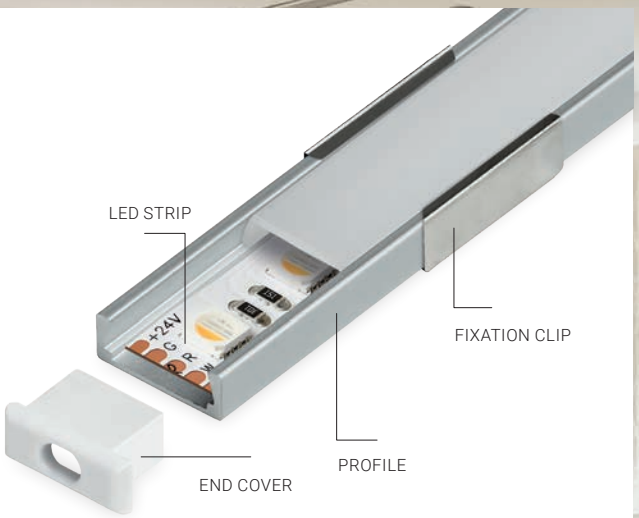
Drivers
and controllers 22

Profiles

RECESSABLE PROFILES
SURFACE MOUNTED PROFILES
CORNER PROFILES

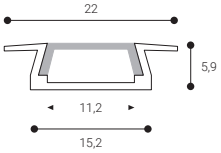
Profiles

We offer different types of profile solutions for different types of executions: recessed, surface mounted and corner mounted. We also offer profiles in different heights, and wider housings for IP67 strips.



RECESSED MOUNTED PROFILES

Low height recessed profile



	LENGTH	STRIP COMPATIBILITY
TLP1A	1 m	IP 20
TLP2A	2 m	

COVERS

OPAL

	LENGTH
TLO1AB	1 m
TLO2AB	2 m

TRANSPARENT

	LENGTH
TLT1AB	1 m
TLT2AB	2 m

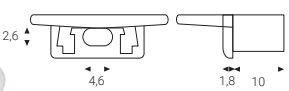
ACCESSORIES

END COVERS

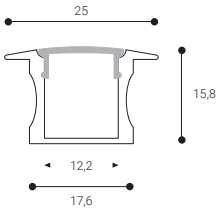
TLPAT

FIXATION CLIPS

TLPABS



Standard recessed mounted



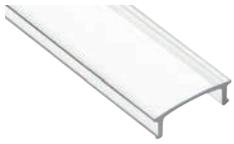
	LENGTH	STRIP COMPATIBILITY
TLP1C	1 m	IP 20
TLP2C	2 m	IP 67

COVERS

OPAL

	LENGTH
TLO1CD	1 m
TLO2CD	2 m

TRANSPARENT



	LENGTH
TLT1CD	1 m
TLT2CD	2 m

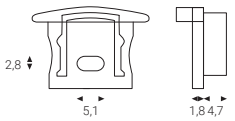
ACCESSORIES

END COVERS

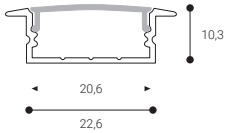
TLPCT

FIXATION CLIPS

TLPCDS



Wide recessed mounted



	LENGTH	STRIP COMPATIBILITY
TLP1F	1 m	IP 20
TLP2F	2 m	IP 67

COVERS

OPAL

	LENGTH
TLO1FG	1 m
TLO2FG	2 m

TRANSPARENT

	LENGTH
TLT1FG	1 m
TLT2FG	2 m

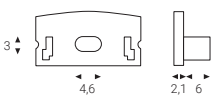
ACCESSORIES

END COVERS

TLPFT

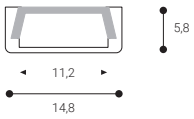
FIXATION CLIPS

TLPFGS



SURFACE MOUNTED PROFILES

Surface mounted low height



	LENGTH	STRIP COMPATIBILITY
TLP1B	1 m	IP 20
TLP2B	2 m	

COVERS

OPAL

	LENGTH
TLO1AB	1 m
TLO2AB	2 m

TRANSPARENT

	LENGTH
TLT1AB	1 m
TLT2AB	2 m

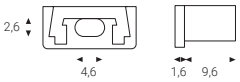
ACCESSORIES

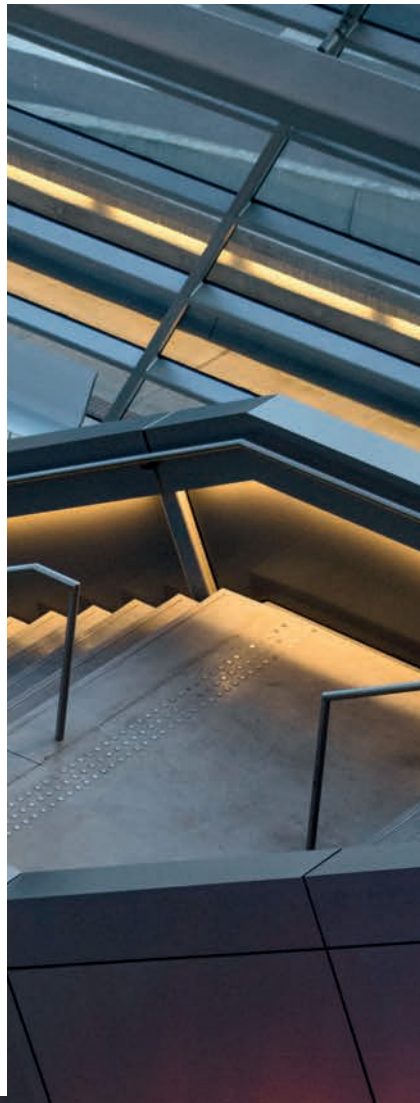
END COVERS

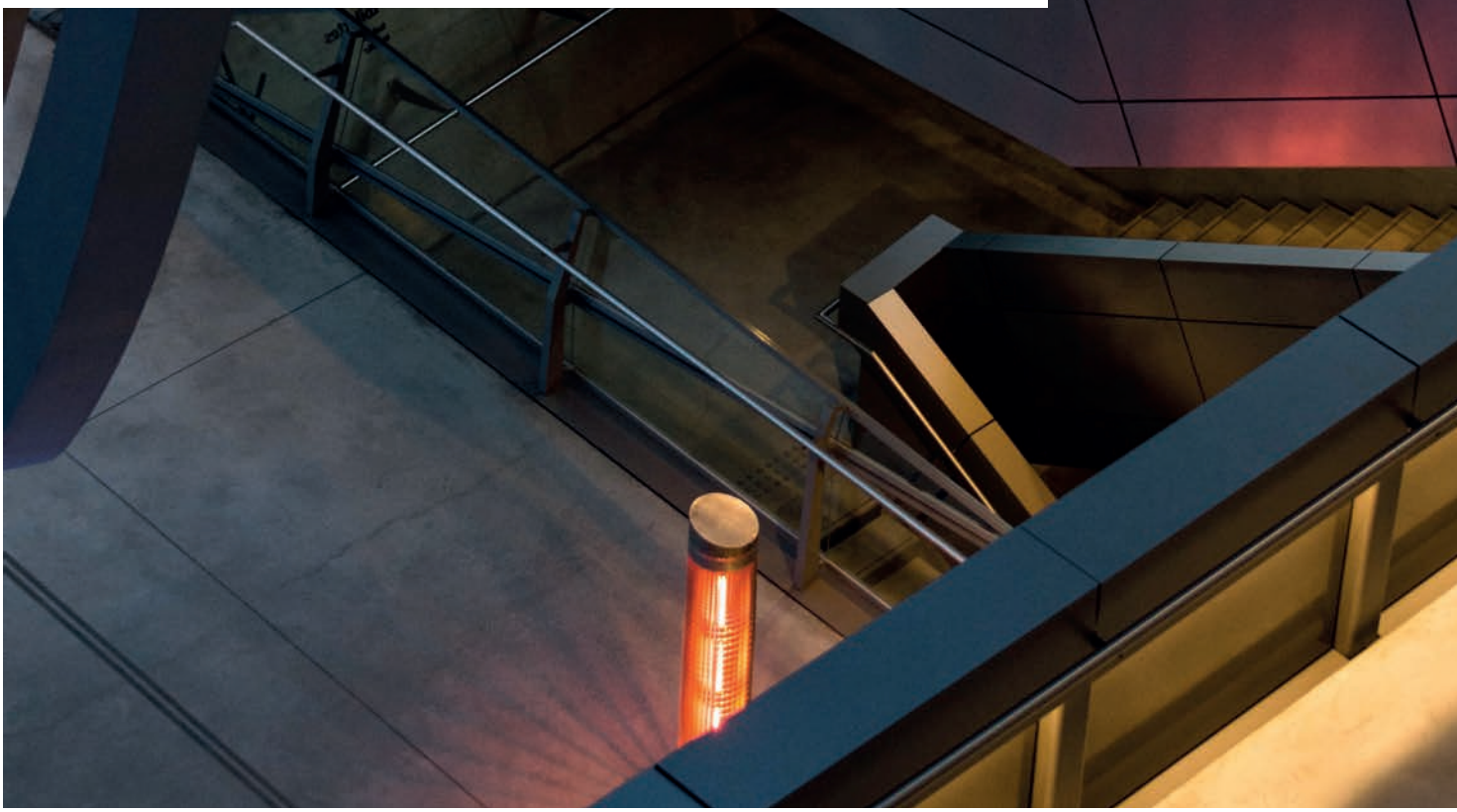
TLPBT

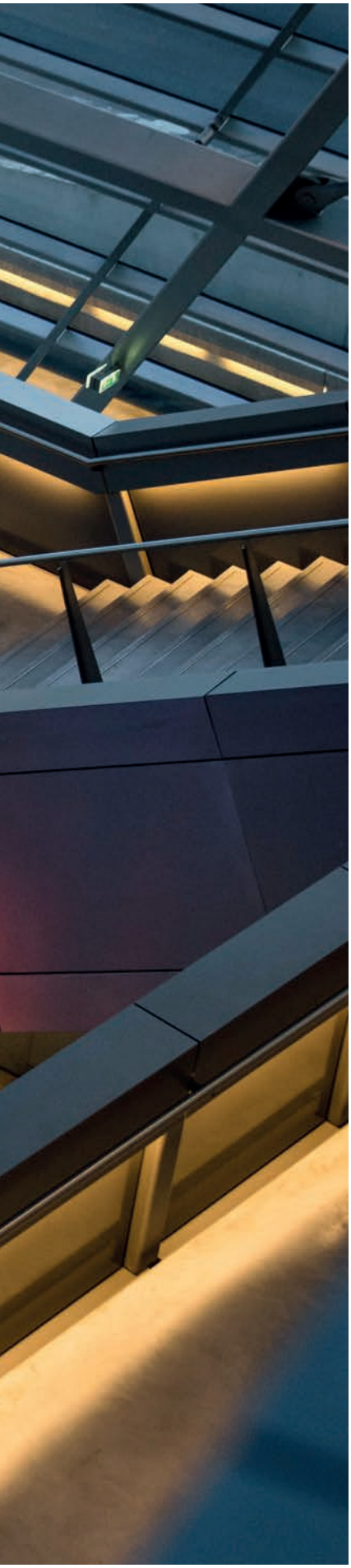
FIXATION CLIPS

TLPABS

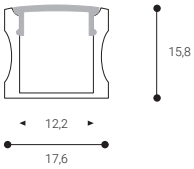








Standard surface mounted



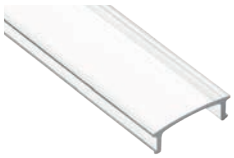
	LENGTH	STRIP COMPATIBILITY
TLP1D	1 m	IP 20
TLP2D	2 m	IP 67

COVERS

OPAL

	LENGTH
TLO1CD	1 m
TLO2CD	2 m

TRANSPARENT



	LENGTH
TLT1CD	1 m
TLT2CD	2 m

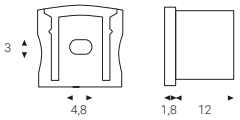
ACCESSORIES

END COVERS

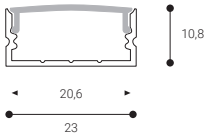
TLPDT

FIXATION CLIPS

TLPCDS



Wide surface mounted



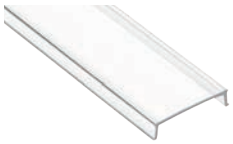
	LENGTH	STRIP COMPATIBILITY
TLP1G	1 m	IP 20
TLP2G	2 m	IP 67

COVERS

OPAL

	LENGTH
TLO1FG	1 m
TLO2FG	2 m

TRANSPARENT



	LENGTH
TLT1FG	1 m
TLT2FG	2 m

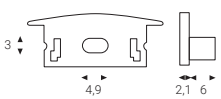
ACCESSORIES

END COVERS

TLPGT

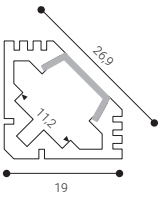
FIXATION CLIPS

TLPFGS



PROFILES FOR CORNERS

Standard corner



	LENGTH	STRIP COMPATIBILITY
TLP1E	1 m	IP 20
TLP2E	2 m	

COVERS

OPAL

	LENGTH
TLO1AB	1 m
TLO2AB	2 m

TRANSPARENT

	LENGTH
TLT1AB	1 m
TLT2AB	2 m

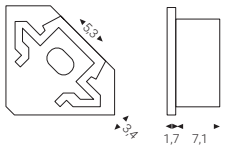
ACCESSORIES

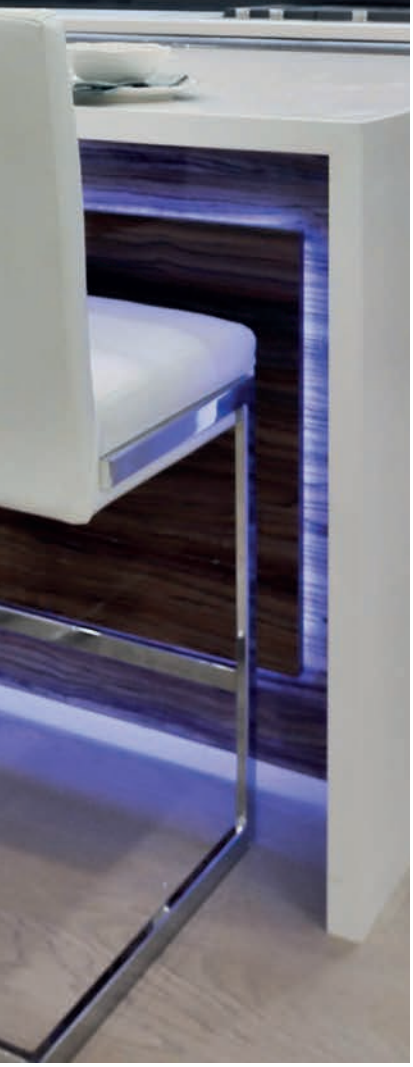
END COVERS

TLPET

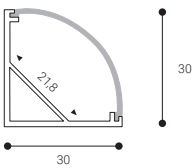
FIXATION CLIPS

TLPES





Wide corner profile



	LENGTH	STRIP COMPATIBILITY
TLP1H	1 m	IP 20
TLP2H	2 m	IP 67

COVERS

OPAL

	LENGTH
TLO1H	1 m
TLO2H	2 m

TRANSPARENT

	LENGTH
TLT1H	1 m
TLT2H	2 m

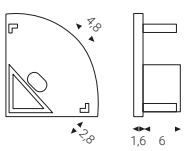
ACCESSORIES

END COVERS

TLPHT

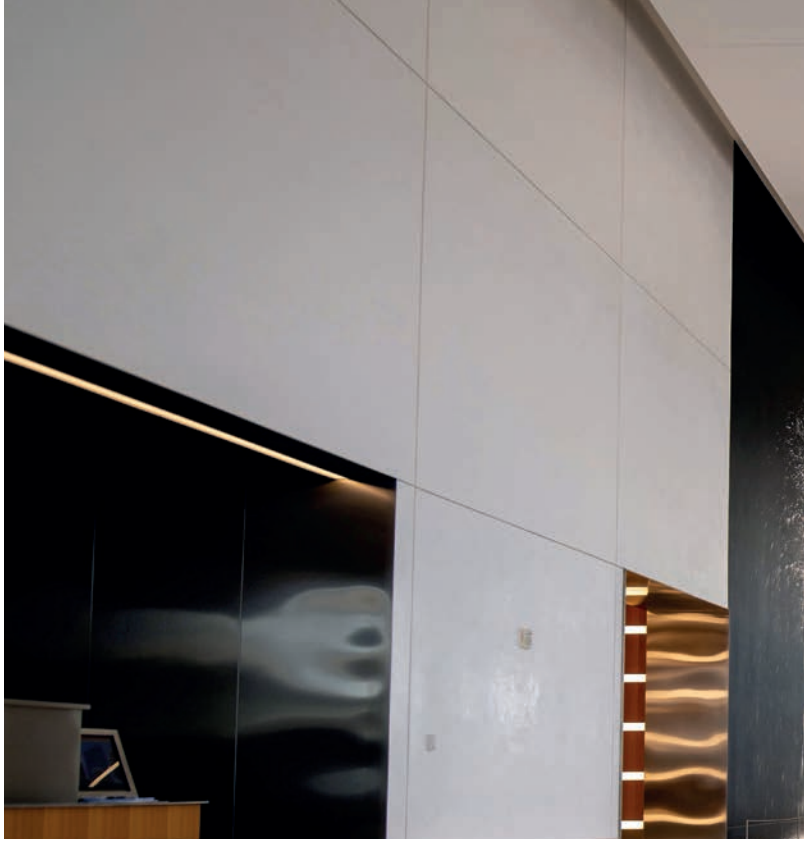
FIXATION CLIPS

TLPHS



LED strips

MONOCHROMATIC IP20 LED STRIPS
IP20 RGBW LED STRIPS
MONOCHROMATIC IP67 LED STRIPS
IP67 RGBW LED STRIPS



MONOCHROMATIC IP20 LED strips

Monochromatic LED strips (IP20) for indoors with adhesive tape included.

Available in four different powers (4.8 w / 9.6 w / 14.4 w / 19.2 w) and four colour temperatures (2700K / 3000K /4000K / 5000K)

Supplied in 5 m. reels.

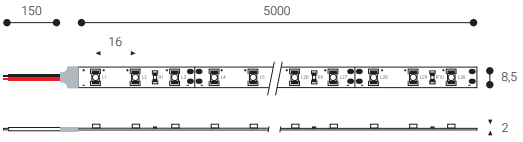
MONOCHROMATIC

LED CE

IP 20 | CRI 90 | 24 V

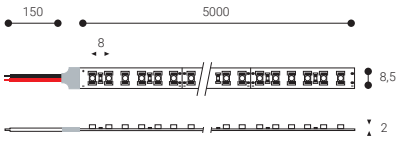
4,8 W/m — **60** Leds/m — Expectancy **50000 h.** L70B10

	Lm/m	K	WIDTH	✂
TL0427I	387 lm	2700	8,5 mm	100 mm
TL0430I	399 lm	3000	8,5 mm	100 mm
TL0440I	420 lm	4000	8,5 mm	100 mm
TL0450I	442 lm	5000	8,5 mm	100 mm



9,6 W/m — **120** Leds/m — Expectancy **50000 h.** L70B10

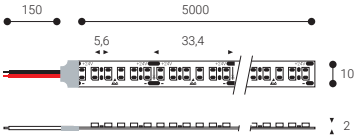
	Lm/m	K	WIDTH	✂
TL0827I	774 lm	2700	8,5 mm	50 mm
TL0830I	798 lm	3000	8,5 mm	50 mm
TL0840I	840 lm	4000	8,5 mm	50 mm
TL0850I	884 lm	5000	8,5 mm	50 mm



14,4 W/m 180 Leds/m

Expectancy **50000 h.** L70B10

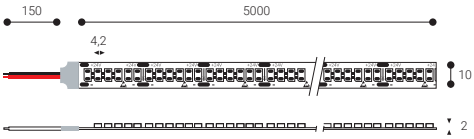
	Lm/m	K	WIDTH	✂
TL1227I	1106 lm	2700	10 mm	34 mm
TL1230I	1140 lm	3000	10 mm	34 mm
TL1240I	1200 lm	4000	10 mm	34 mm
TL1250I	1263 lm	5000	10 mm	34 mm

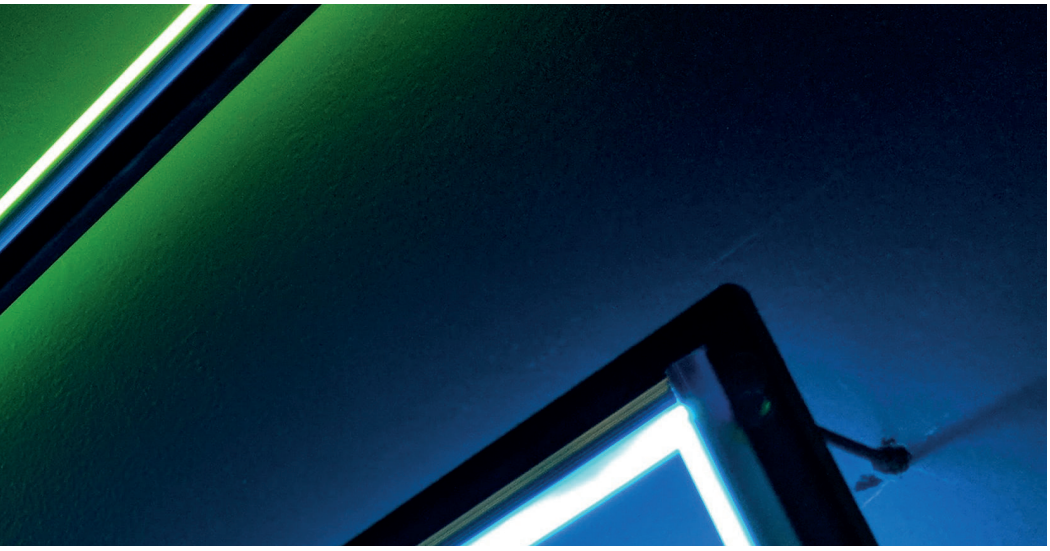


19,2 W/m 240 Leds/m

Expectancy **50000 h.** L70B10

	Lm/m	K	WIDTH	✂
TL1727I	1567 lm	2700	10 mm	25 mm
TL1730I	1615 lm	3000	10 mm	25 mm
TL1740I	1700 lm	4000	10 mm	25 mm
TL1750I	1789 lm	5000	10 mm	25 mm





IP20 RGBW LED strips

RGBW Led strips (IP20) for indoors with adhesive tape included.

Unlinke the monochromatic LED strip, the RGBW LED strip makes it possible to create customized atmospheres thanks to the light control throught the mixture of red, green and blue colours. Furthermore, it is possible to play with different white tones (from warm white to cold white).

Available in two different powers (19.2 w / 23 w.)

Supplied in 5 m. reels.

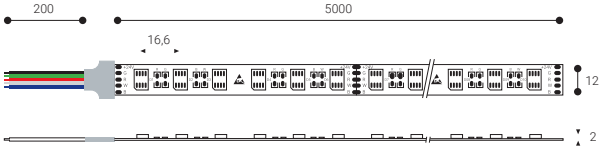
RGBW IP20

LED CE

IP **20** | **24 V**

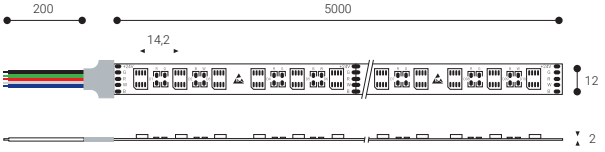
19,2 W/m **60** Leds/m — Expectancy **50000 h.** L70B10

	Lm/m	WIDTH	✂
TL07RGI	R: 120 G: 300 B:110 W: 400	12 mm	84 mm



23 W/m **72** Leds/m — Expectancy **50000 h.** L70B10

	Lm/m	WIDTH	✂
TL14RGI	R: 150 G: 375 B:138 W: 500	12 mm	84 mm



MONOCHROMATIC IP67 LED strips

Monochromatic LED strips (IP67) for outdoors with adhesive tape included.

Available in four different powers (4.8 w / 9.6 w / 14.4 w / 19.2 w) and four colour temperatures (2700K / 3000K /4000K / 5000K)

Supplied in 5 m. reels.

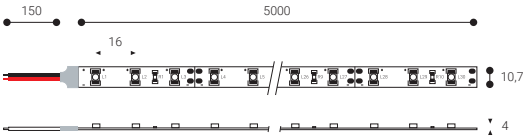
MONOCHROMATIC

LED CE

IP 67 | CRI 90 | 24 V

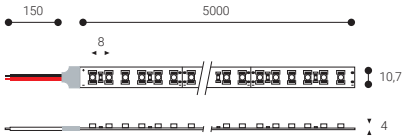
4,8 W/m **60** Leds/m Expectancy **50000 h.** L70B10

	Lm/m	K	WIDTH	←✂→
TL0427O	387 lm	2700	10,7 mm	100 mm
TL0430O	399 lm	3000	10,7 mm	100 mm
TL0440O	420 lm	4000	10,7 mm	100 mm
TL0450O	442 lm	5000	10,7 mm	100 mm



9,6 W/m **120** Leds/m Expectancy **50000 h.** L70B10

	Lm/m	K	WIDTH	←✂→
TL0827O	774 lm	2700	10,7 mm	50 mm
TL0830O	798 lm	3000	10,7 mm	50 mm
TL0840O	840 lm	4000	10,7 mm	50 mm
TL0850O	884 lm	5000	10,7 mm	50 mm



ACCESSORIES

	DESCRIPTION
TLIP13	Accessory bag for the handling of IP67 led strips15mm. wide. It includes terminal, connector and end covers, and joints fixation.

14,4 W/m 60 Leds/m

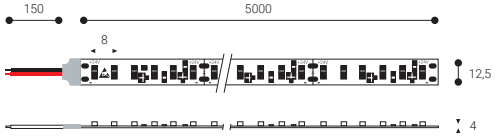
Expectancy **50000 h.** L70B10

	Lm/m	K	WIDTH	✂
TL12270	1106 lm	2700	12,5 mm	100 mm
TL12300	1140 lm	3000	12,5 mm	100 mm
TL12400	1200 lm	4000	12,5 mm	100 mm
TL12500	1263 lm	5000	12,5 mm	100 mm

19,2 W/m 120 Leds/m

Expectancy **50000 h.** L70B10

	Lm/m	K	WIDTH	✂
TL17270	1567 lm	2700	12,5 mm	50 mm
TL17300	1615 lm	3000	12,5 mm	50 mm
TL17400	1700 lm	4000	12,5 mm	50 mm
TL17500	1789 lm	5000	12,5 mm	50 mm



ACCESSORIES

	DESCRIPTION
TLIP15	Accessory bag for the handling of IP67 led strips15mm. wide. It includes terminal, connector and end covers, and joints fixation.

IP67 RGBW

LED strips

RGBW LED strips (IP67) with adhesive tape included.

Unlike the monochromatic LED strips, RGBW LED strip makes it possible to create different customized environments thanks to controlling the colour by mixing red, green and blue. It is also possible to experiment with the different types of white light (from warm white to cold white).

Available in two powers (19.2 w / 23 w)

Supplied in 5 m. reels.

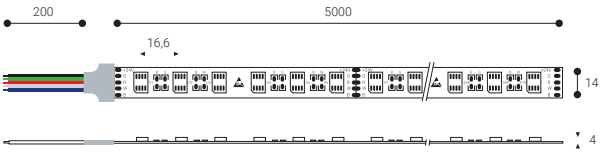
RGBW IP67

LED CE

IP 67 | 24 V

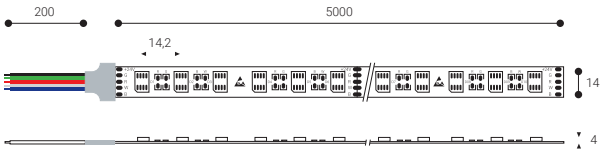
19,2 W/m **60** Leds/m — Expectancy **50000 h.** L70B10

	Lm/m	WIDTH	✂
TL07RGO	R: 120 G: 300 B:110 W: 400	14 mm	100 mm



23 W/m **72** Leds/m — Expectancy **50000 h.** L70B10

	Lm/m	WIDTH	✂
TL14RGO	R: 150 G: 375 B:138 W: 500	14 mm	100 mm

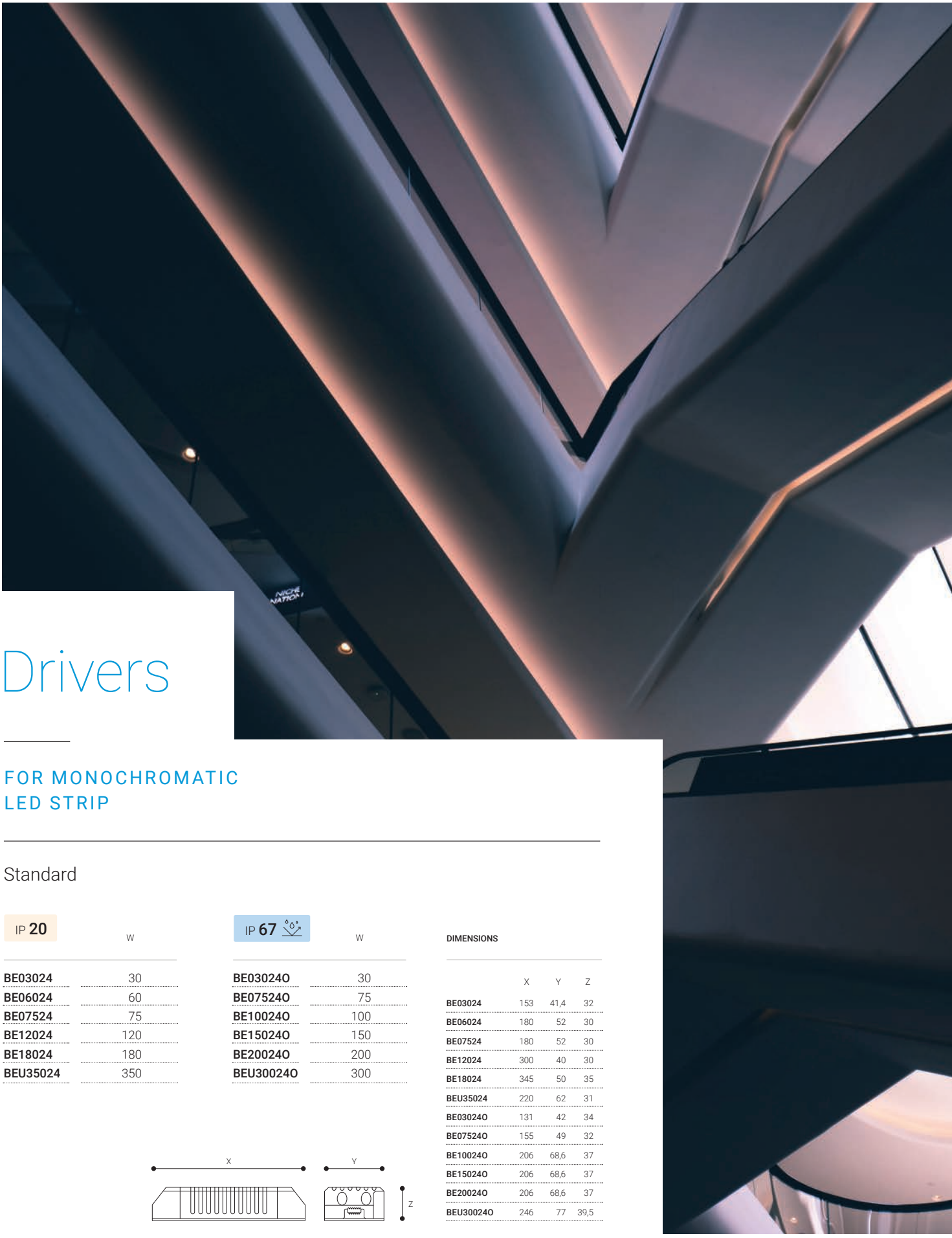


ACCESSORIES

	DESCRIPTION
TLIP17	Accessory bag for the handling of IP67 led strips17mm. wide. It includes terminal, connector and end covers, and joints fixation.

JFB 220H

Drivers and controllers



Drivers

FOR MONOCHROMATIC LED STRIP

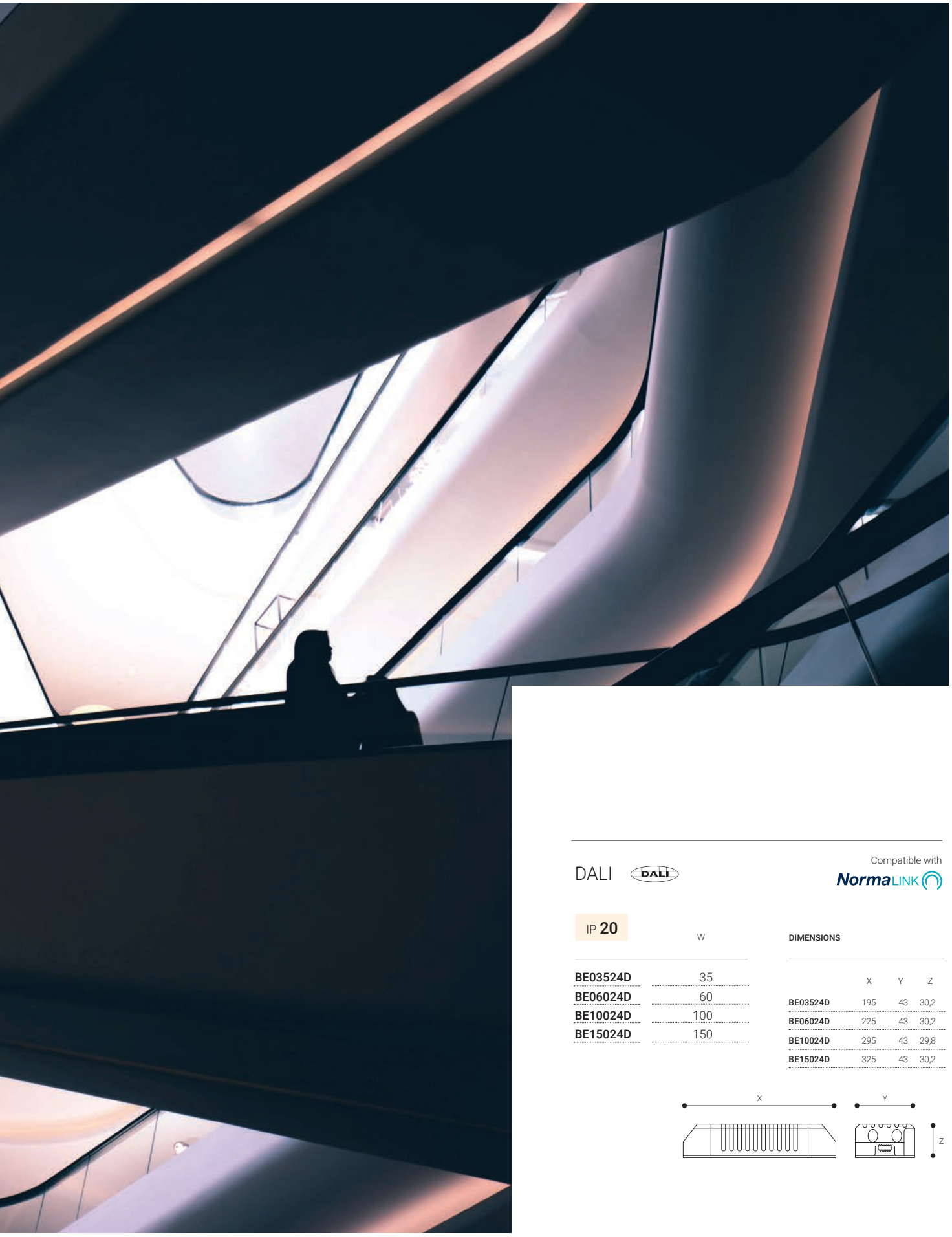
Standard

IP 20	W
BE03024	30
BE06024	60
BE07524	75
BE12024	120
BE18024	180
BEU35024	350

IP 67	W
BE03024O	30
BE07524O	75
BE10024O	100
BE15024O	150
BE20024O	200
BEU30024O	300

DIMENSIONS

	X	Y	Z
BE03024	153	41,4	32
BE06024	180	52	30
BE07524	180	52	30
BE12024	300	40	30
BE18024	345	50	35
BEU35024	220	62	31
BE03024O	131	42	34
BE07524O	155	49	32
BE10024O	206	68,6	37
BE15024O	206	68,6	37
BE20024O	206	68,6	37
BEU30024O	246	77	39,5



DALI

Compatible with NormaLINK

IP 20

	W
BE03524D	35
BE06024D	60
BE10024D	100
BE15024D	150

DIMENSIONS

	X	Y	Z
BE03524D	195	43	30,2
BE06024D	225	43	30,2
BE10024D	295	43	29,8
BE15024D	325	43	30,2

Controllers and amplifiers

REMOTE CONTROL

TRARF (RGBW)

Set of remote control and controller for RGBW led strip.

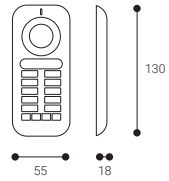
- Controls up to 8 zones
- Colour ring selector
- 9 predefined programs
- Radiofrequency transmission: 2.4 Ghz
- Maximum range: 30 meters
- Remote control dimensions: 18 x 55 x 130 mm
- Power: 3w (Two AAA batteries)
- Made in PC
- Controller dimensions: 23,5 x 48 x 89 mm
- Power: 24v DC
- Maximum power: 360w
- Maximum power per channel: 144W

TRARF-M

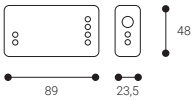
Remote control for TRARF-C controller.

TRARF-C

Controller for RGBW led strip.

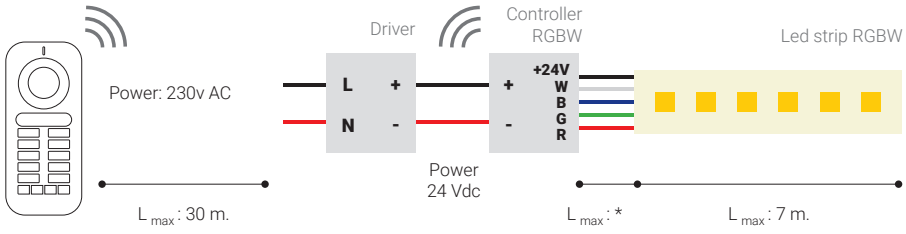


Remote control

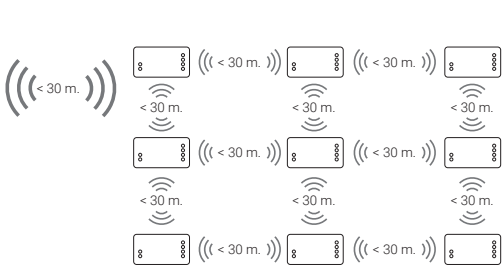


Controller

Remote control wiring



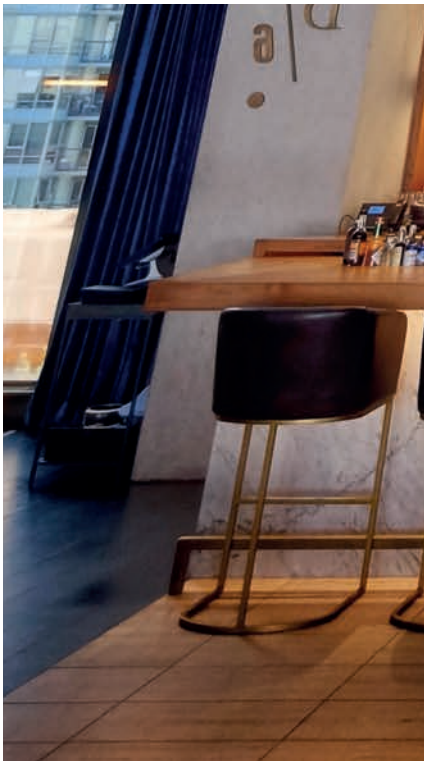
Each controller is able to reproduce the signal to other controllers that are 30 meters or less away from it.

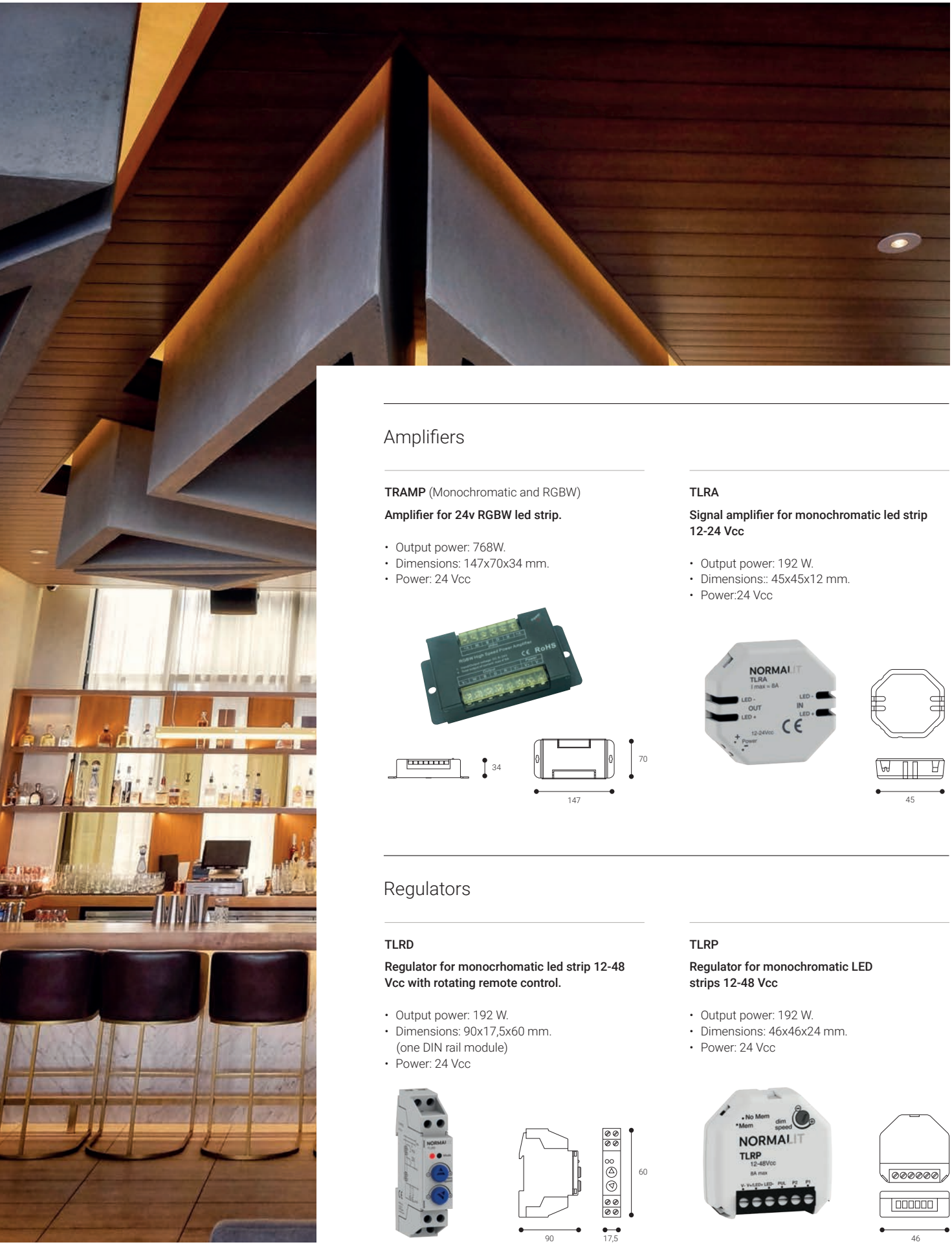


Remote control
Ref. TRARF-M

Controller
Ref. TRARF-C

*Maximum length of 2 metres for a wire with length section below 0.5 sq.mm. For more than 2 metres, use a wire of 1.5 sq.mm. section.





Amplifiers

TRAMP (Monochromatic and RGBW)

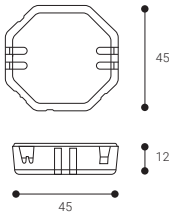
Amplifier for 24v RGBW led strip.

- Output power: 768W.
- Dimensions: 147x70x34 mm.
- Power: 24 Vcc

TLRA

Signal amplifier for monochromatic led strip 12-24 Vcc

- Output power: 192 W.
- Dimensions:: 45x45x12 mm.
- Power:24 Vcc



Regulators

TLRD

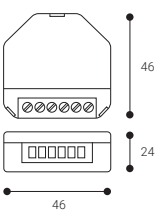
Regulator for monocrhomatic led strip 12-48 Vcc with rotating remote control.

- Output power: 192 W.
- Dimensions: 90x17,5x60 mm. (one DIN rail module)
- Power: 24 Vcc

TLRP

Regulator for monochromatic LED strips 12-48 Vcc

- Output power: 192 W.
- Dimensions: 46x46x24 mm.
- Power: 24 Vcc



Cut and assembly services

CUT SERVICE

Normalit offers a custom made cut service for the profiles, diffusers and led strips appearing in this catalogue. This service will be offered always following the technical requirements established.

Profile Cut. To make an order of customized profiles follow these steps:

1. Choose one of the available profiles:

REFERENCE	DESCRIPTION
TLPA	Recessed profile low heigth
TLPB	Surface mounted profile low height
TLPC	Recessed profile
TLPD	Surface mounted profile
TLPE	Corner profile
TLPF	Wide recessed profile
TLPG	Wide surface mounted profile
TLPH	Wide corner profile

2. Indicate the desired length for each profile. You will be charged by pieces of 1 or 2 meters, depending on the order.
3. Indicate the quantity.

This service has a price of 3.70€ per cut unit.

Covers cut. To make an order of customized cover follow these steps:

1. Choose between the diffusers available:

REFERENCE	DESCRIPTION
TLOAB	Opal cover for TLPA, TLPB and TLPE profiles
TLOCD	Opal cover for TLPC and TLPD profiles
TLOFG	Opal coverfor TLPF and TLPG profiles
TLOH	Opal cover for TLPH profiles
TLTAB	Transparent cover for TLPA, TLPB and TLPE profiles
TLTCD	Transparent cover for TLPC and TPLD profiles
TLTFG	Transparent cover for TLPF and TLPG profiles
TLTH	Transparent cover for TLPH profiles

2. Indicate the desired length for each cover. You will be charged by pieces of 1 or 2 meters, depending on the order.
3. Indicate the quantity.

This service has a price of 3.70€ per cut unit.

Cut /Soldering led strips.To place an order of customized led strips follow these steps:

1. Choose the led strip from the ones available in the catalogue.
2. Indicate the desired length for each led strip.
3. Indicate the quantity

Cut led strips are supplied with a 190mm wire of 0.5mm^2 section. For other lengths, please check with us.

This service has a price of 1.10€ per cut unit.

Lengths over 5 meters would mean 2 cut units /soldering.

Please take into account to avoid voltage drops and to obtain an uniform lighting in all the length of the led strip, that the maximum length should be 7 meters. Please be reminded not to exceed 2 meters when using 0.5mm^2 section wire in between the led strip and the driver. For more than two meters, use 1.5mm^2 section wire.

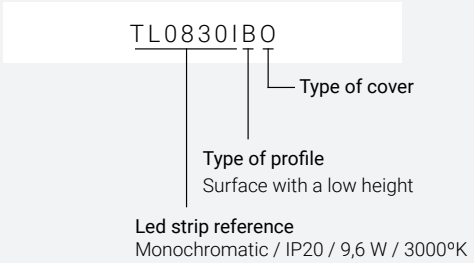
ASSEMBLY SERVICE

SUPPLY OF LED STRIP + PROFILE + COVER

These service will be offered according to the technical requirements established.

Price per unit: 1.8€. It does not include any cut service described before.

To place an order of a customized set, the reference is composed as this example:



Please be reminded to inform us about the desired length. Please take into account that lengths outside of the standard (1 or 2 meters) will be treated as customized and therefore will include the cut service costs. **lengths over 2 meters are not available.**

General sales conditions

Features of the materials

The measurements, weights, features or magnitudes shown in this catalogue / price lists are tentative and may be subject to change without prior notification.

Prices and deliveries

Prices included in this price lists are final prices to end customers and are recommended final prices, not including any extra taxes.

Prices will be offered by means of a written official confirmation and will be valid except error or omission, according to the latest price list available.

Goods will be supplied in complete boxes. Spare units and / or any number of units lower than a complete box will not be supplied.

Minimum Order Quantity (MOQ)

100€

Acceptance of goods

All goods must be checked within the next 24 hours of the reception. In case of detecting any discrepancy, this should be immediately communicated to the transport company or to Normagrup Technology post sale service

Goods consigned to a third party

Should the customer require the delivery of the goods to a third party, this should be previously authorized or agreed with Normagrup Technology.

The rensposibility of checking the goods as established before still remains, either by the customer or the third party.

RMA procedure

Goods sent back to Normagrup Technology will only be accepted if are carried out in a maximum of 30 days from the supply date. Products covered by guarantee do not need to comply with this.

Any return of goods will only be accepted if it has been previously authorized by Normagrup Technology. In this case, the goods will be returned to our premises in the Headquarters in Asturias following the procedure. Please contact us at **rma@normagrup.com** or our phone number **+34 985 267 100.**

Price validity

Prices in this price list substitute and / or replace any previous pricing of the items in this price list, and are valid except error or omission.

Civil liability

The civil liability of our products expires one year after the supply date. Normagrup Technology declines any responsibility caused by a bad use of any of our products.

In case of disagreement caused by a sale, both parties will be subject to the jurisdiction of the Oviedo court, renouncing both parties to any other legislation that could be applicable.

Warranty

All the products in this publication have a 2 year warranty period against manufacturing defects, according to the 23/3 law from 10th June 2003. This warranty does not cover missmanipulation or missuse of any of the products, nor does it cover replaceable parts. Please contact your local distributor if problems should arise to apply this warranty, presenting the invoice, as well as providing a description of the defect and or problem.

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