



Technical and
architectural lighting

LED strips

NORMALIT
by Normagrup





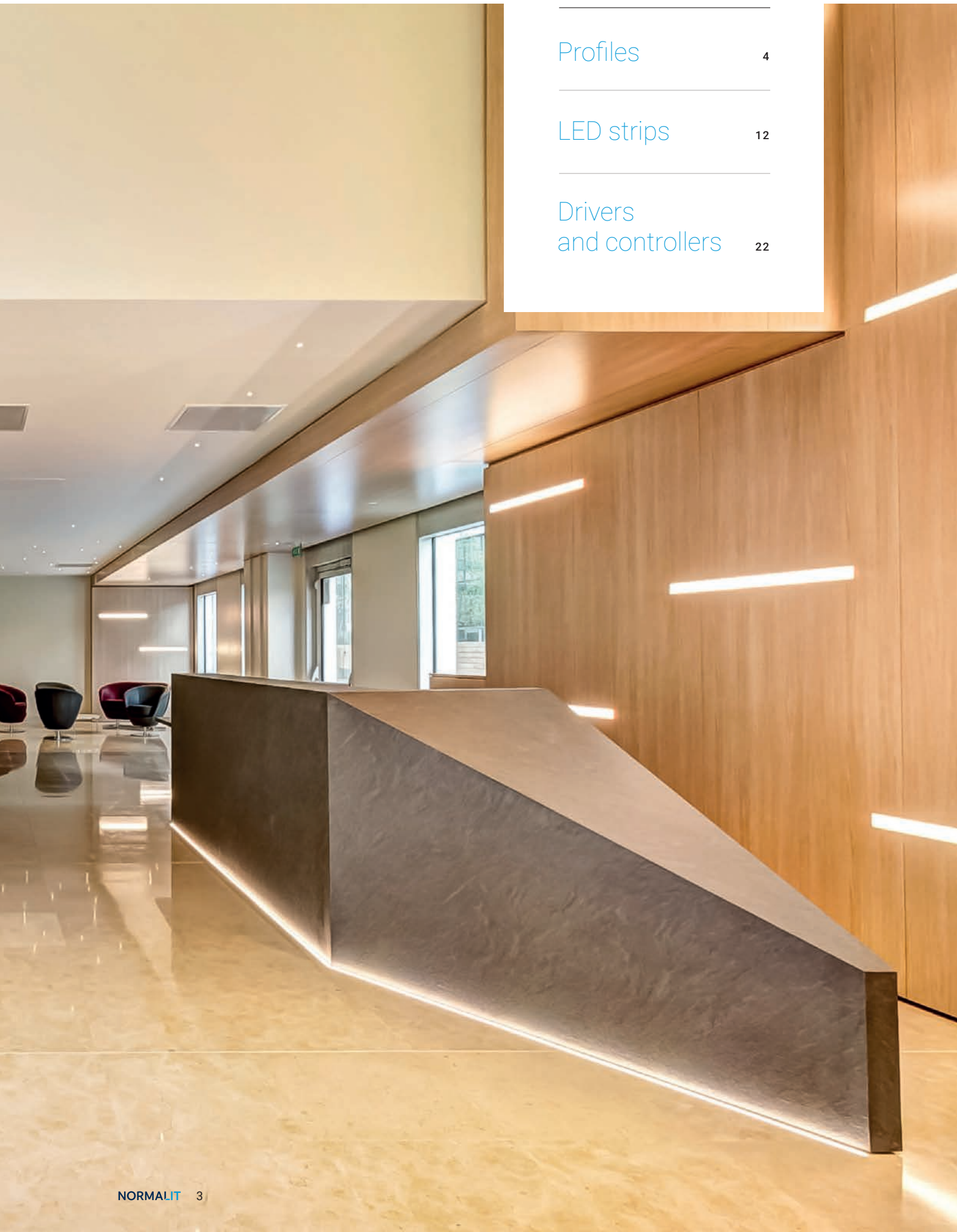
LED strips

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



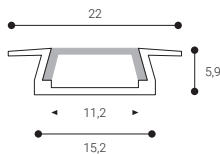
Profiles

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

TLP1A	1 m
TLP2A	2 m

STRIP COMPATIBILITY
IP 20 Monochromatic

COVERS

OPAL



LENGTH

TL01AB	1 m
TL02AB	2 m

TRANSPARENT



LENGTH

TLT1AB	1 m
TLT2AB	2 m

ACCESSORIES

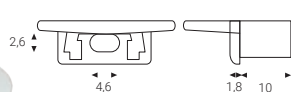
END COVERS

TLPAT



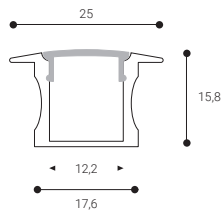
FIXATION CLIPS

TLPABS





Standard recessed mounted



LENGTH

TLP1C	1 m
TLP2C	2 m

STRIP COMPATIBILITY

IP 20 Monochromatic IP 67  Monochromatic
IP 20 RGBW

COVERS

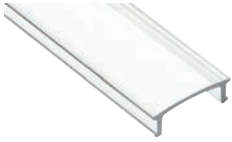
OPAL



LENGTH

TL01CD	1 m
TL02CD	2 m

TRANSPARENT



LENGTH

TLT1CD	1 m
TLT2CD	2 m

ACCESSORIES

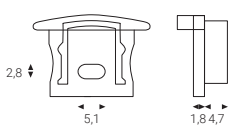
END COVERS

TLPCT

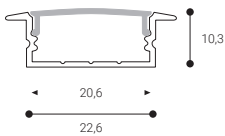


FIXATION CLIPS

TLPCDS





Wide recessed mounted



LENGTH

TLP1F	1 m
TLP2F	2 m

STRIP COMPATIBILITY

IP 20 Monochromatic IP 67  Monochromatic
IP 20 RGBW IP 67  RGBW

COVERS

OPAL



LENGTH

TL01FG	1 m
TL02FG	2 m

TRANSPARENT



LENGTH

TLT1FG	1 m
TLT2FG	2 m

ACCESSORIES

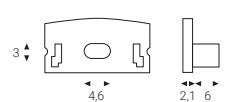
END COVERS

TLPFT



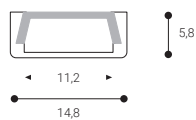
FIXATION CLIPS

TLPFGS



SURFACE
MOUNTED PROFILES

Surface mounted low height



LENGTH

TLP1B	1 m
TLP2B	2 m

STRIP COMPATIBILITY

IP 20 Monochromatic

COVERS

OPAL



LENGTH

TLO1AB	1 m
TLO2AB	2 m

TRANSPARENT



LENGTH

TLT1AB	1 m
TLT2AB	2 m

ACCESSORIES

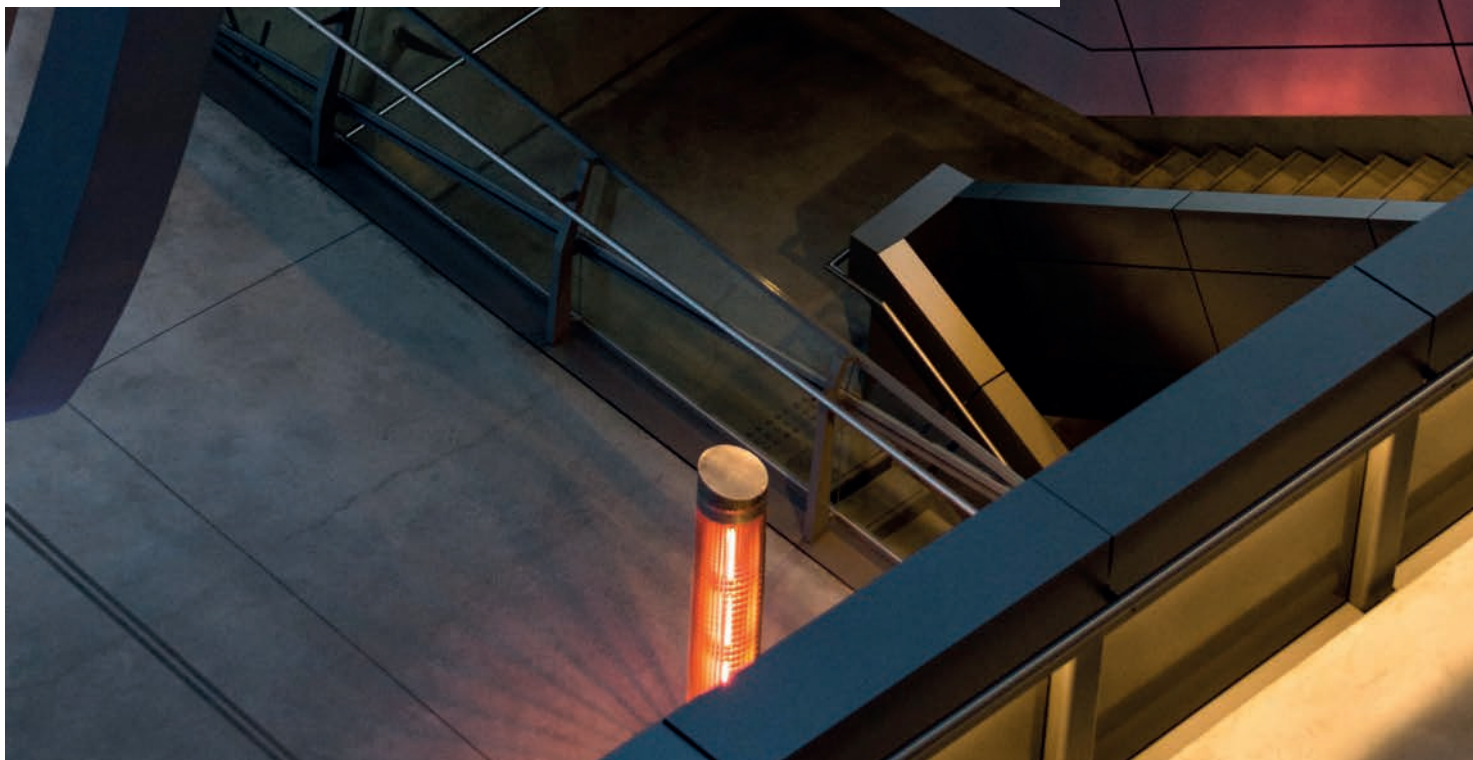
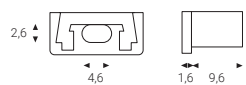
END COVERS

TLPBT



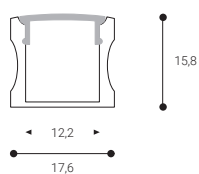
FIXATION CLIPS

TLPABS





Standard surface mounted



LENGTH

TLP1D	1 m
TLP2D	2 m

STRIP COMPATIBILITY

IP 20 Monochromatic IP 67  Monochromatic
IP 20 RGBW

COVERS

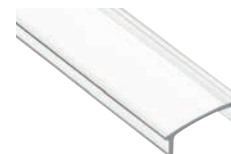
OPAL



LENGTH

TLO1CD	1 m
TLO2CD	2 m

TRANSPARENT



LENGTH

TLT1CD	1 m
TLT2CD	2 m

ACCESSORIES

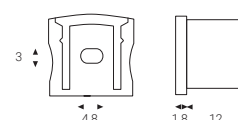
END COVERS

TLPDT

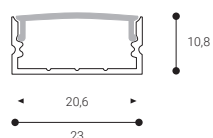


FIXATION CLIPS

TLPCDS





Wide surface mounted



LENGTH

TLP1G	1 m
TLP2G	2 m

STRIP COMPATIBILITY

IP 20 Monochromatic IP 67  Monochromatic
IP 20 RGBW IP 67  RGBW

COVERS

OPAL



LENGTH

TL01FG	1 m
TL02FG	2 m

TRANSPARENT



LENGTH

TLT1FG	1 m
TLT2FG	2 m

ACCESSORIES

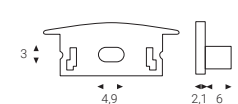
END COVERS

TLPGT



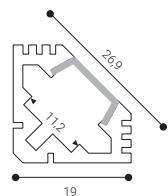
FIXATION CLIPS

TLPFGS



PROFILES
FOR CORNERS

Standard corner



LENGTH

TLP1E	1 m
TLP2E	2 m

STRIP COMPATIBILITY

IP 20 Monochromatic IP 67  Monochromatic
IP 20 RGBW

COVERS

OPAL



TRANSPARENT



LENGTH

TLO1AB	1 m
TLO2AB	2 m

LENGTH

TLT1AB	1 m
TLT2AB	2 m

ACCESSORIES

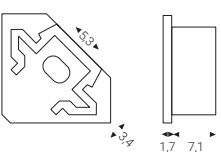
END COVERS

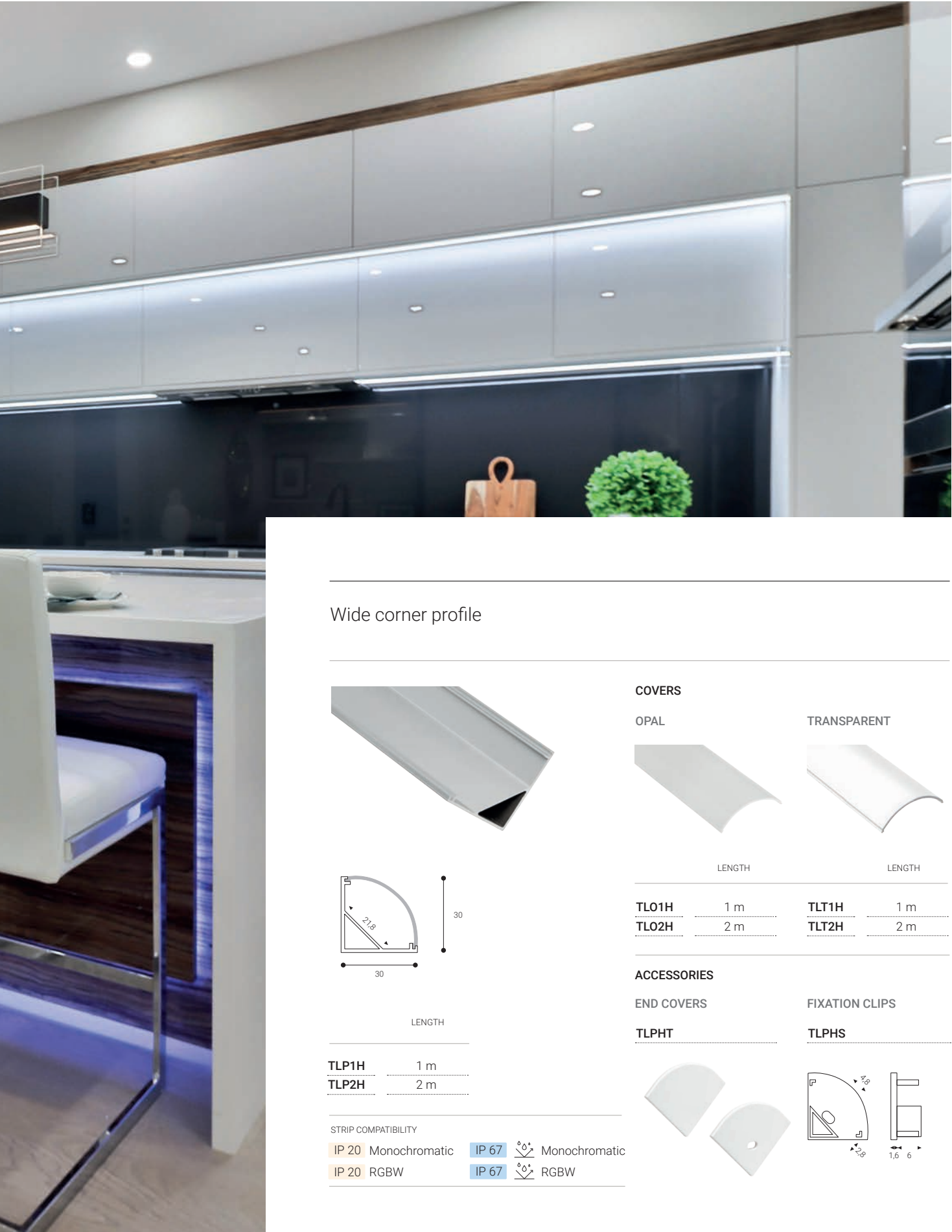
TLPET



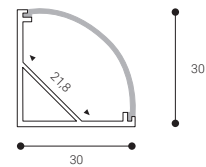
FIXATION CLIPS

TLPES





Wide corner profile



LENGTH

TLP1H	1 m
TLP2H	2 m

STRIP COMPATIBILITY

IP 20	Monochromatic	IP 67	Monochromatic
IP 20	RGBW	IP 67	RGBW

COVERS

OPAL



TRANSPARENT



LENGTH

TL01H	1 m
TL02H	2 m

LENGTH

TLT1H	1 m
TLT2H	2 m

ACCESSORIES

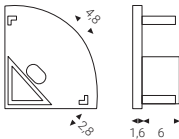
END COVERS

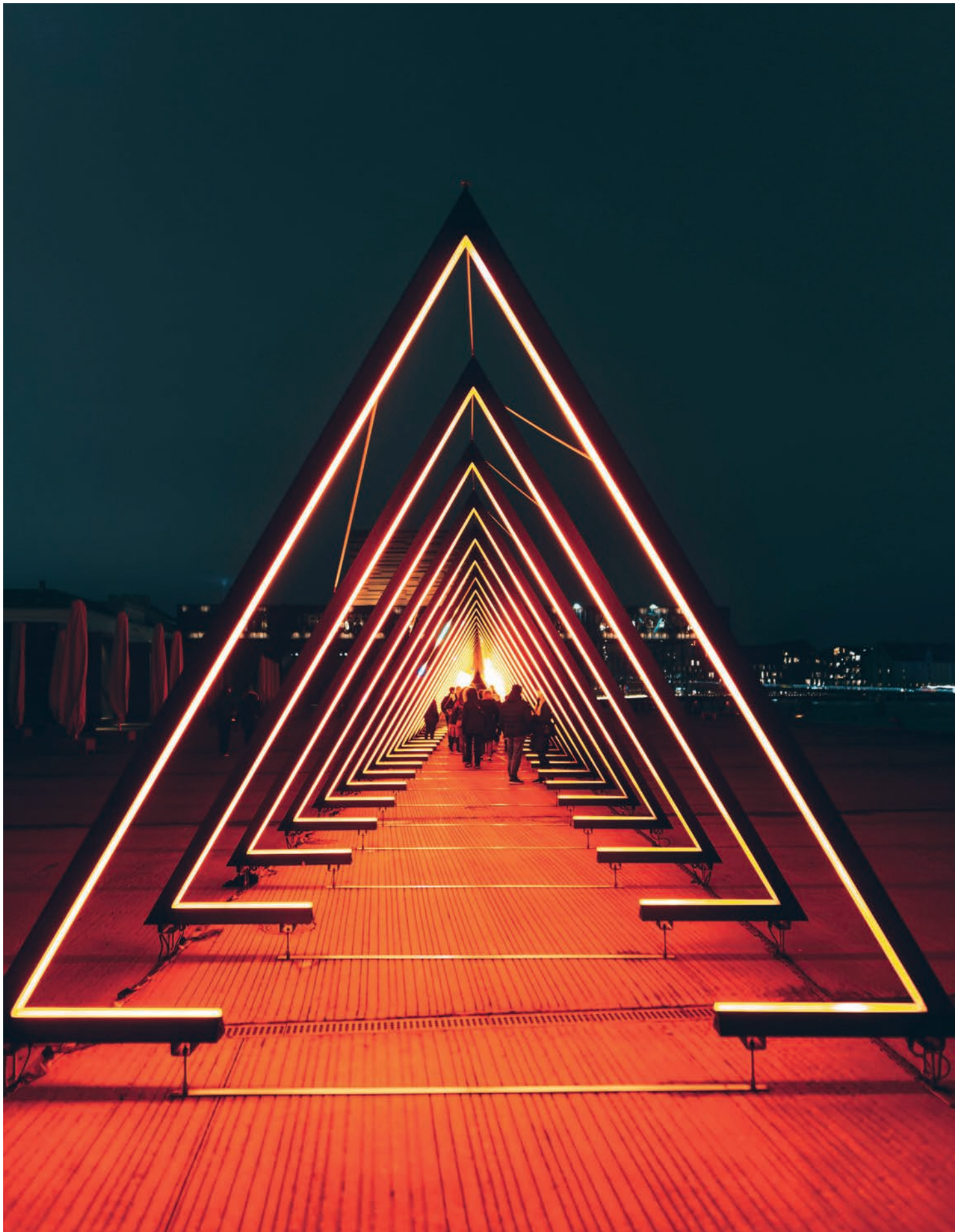
TLPH1



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



IP 20

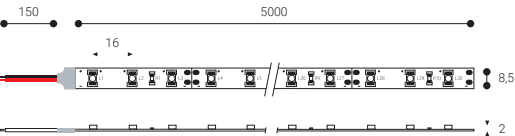
CRI 90

24 V

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



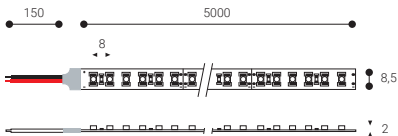
	Lm/m	K	WIDTH	↔ % ↔
TL0427I	387 lm	2700	8,5 mm	100 mm
TL0430I	399 lm	3000	8,5 mm	100 mm
TL0440I	420 lm	4000	8,5 mm	100 mm
TL0450I	442 lm	5000	8,5 mm	100 mm



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

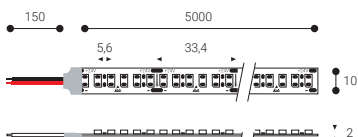




14,4 W/m 180 Leds/m Expectancy **50000 h.** L70B10



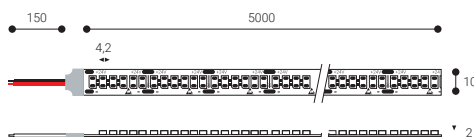
	Lm/m	K	WIDTH	✂️
TL1227I	1106 lm	2700	10 mm	34 mm
TL1230I	1140 lm	3000	10 mm	34 mm
TL1240I	1200 lm	4000	10 mm	34 mm
TL1250I	1263 lm	5000	10 mm	34 mm



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.

Unlike the monochromatic LED strip, the RGBW LED strip makes it possible to create customized atmospheres thanks to the light control through 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



IP 20

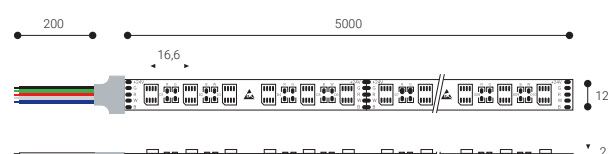
24 V

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

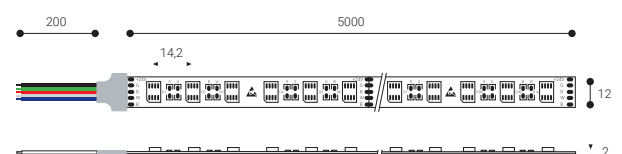


23 W/m 72 Leds/m Expectancy **50000 h.** L70B10



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

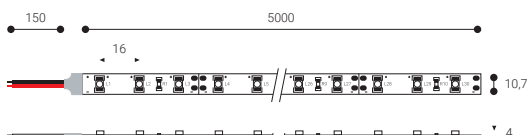
CRI 90

24 V

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



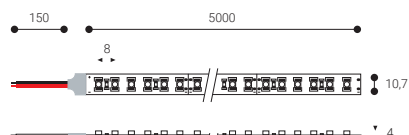
	Lm/m	K	WIDTH	↔
TL04270	387 lm	2700	10,7 mm	100 mm
TL04300	399 lm	3000	10,7 mm	100 mm
TL04400	420 lm	4000	10,7 mm	100 mm
TL04500	442 lm	5000	10,7 mm	100 mm



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



	Lm/m	K	WIDTH	↔
TL08270	774 lm	2700	10,7 mm	50 mm
TL08300	798 lm	3000	10,7 mm	50 mm
TL08400	840 lm	4000	10,7 mm	50 mm
TL08500	884 lm	5000	10,7 mm	50 mm



ACCESSORIES

DESCRIPTION

TLIP13

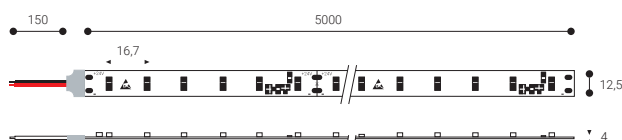
Accessory bag for the handling of IP67 led strips 10,7 mm. wide. It includes terminal, connector and end covers, and joints fixation.



14,4 W/m 60 Leds/m Expectancy **50000 h.** L70B10



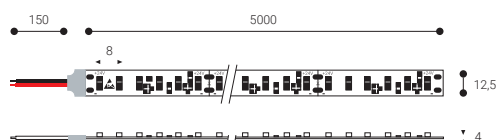
	Lm/m	K	WIDTH	↔
TL12270	1106 lm	2700	12,5 mm	100 mm
TL12300	1140 lm	3000	12,5 mm	100 mm
TL12400	1200 lm	4000	12,5 mm	100 mm
TL12500	1263 lm	5000	12,5 mm	100 mm



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 strips 12,5 mm. 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

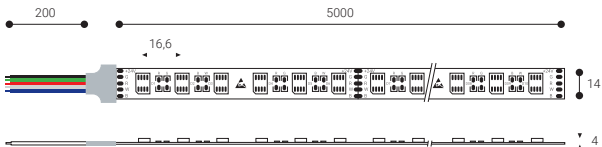
19,2 W/m 60 Leds/m

Expectancy
50000 h. L70B10



Lm/m WIDTH ±

TL07RGO R: 120 G: 300 B:110 W: 400 14 mm 100 mm



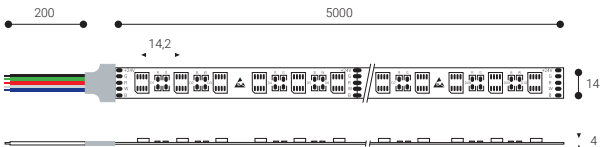
23 W/m 72 Leds/m

Expectancy
50000 h. L70B10



Lm/m WIDTH ±

TL14RGO R: 150 G: 375 B:138 W: 500 14 mm 100 mm



ACCESSORIES

DESCRIPTION

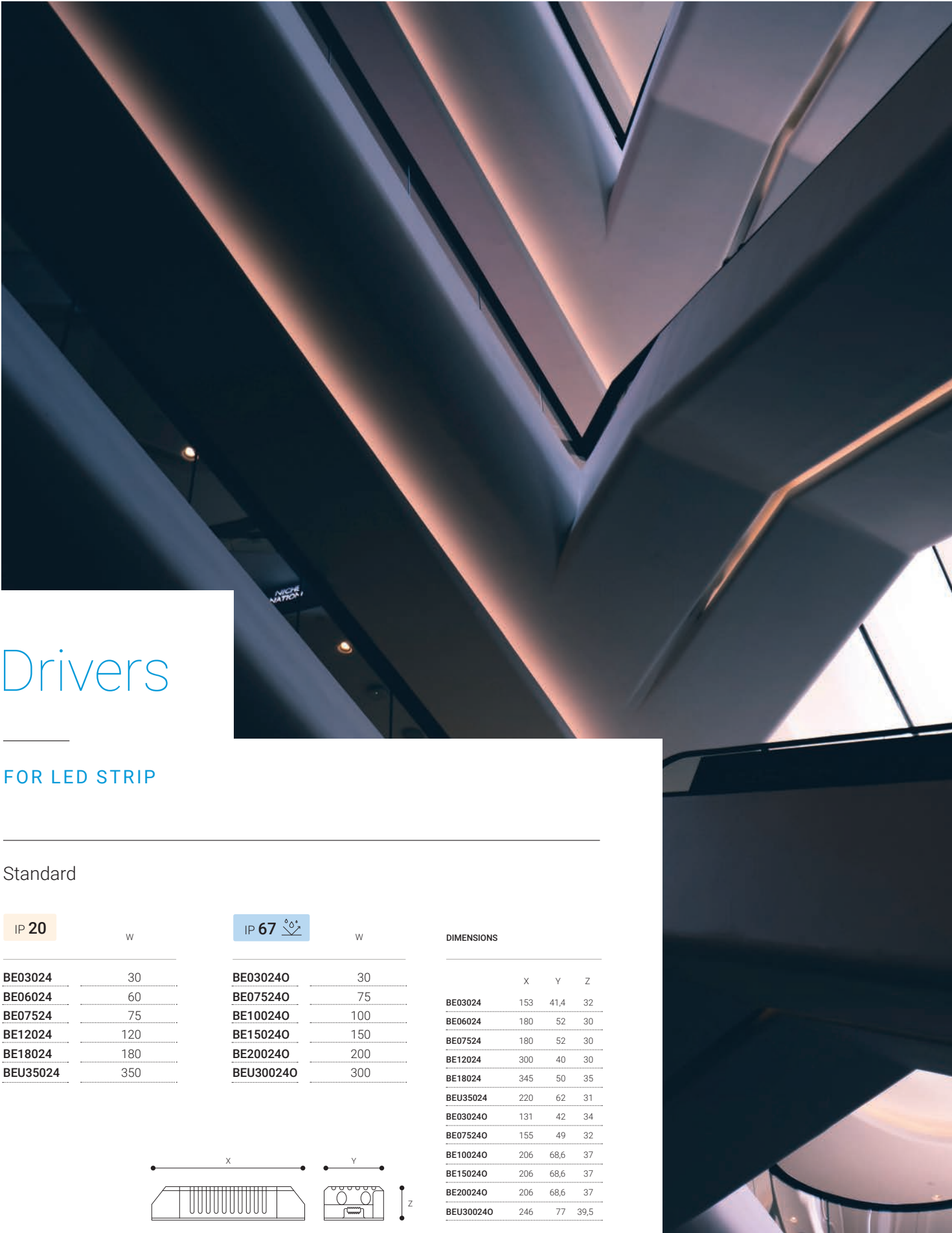
TLIP17

Accessory bag for the handling of IP67 led strips14 mm. wide.
It includes terminal, connector and end covers, and joints fixation.





Drivers and controllers



Drivers

FOR LED STRIP

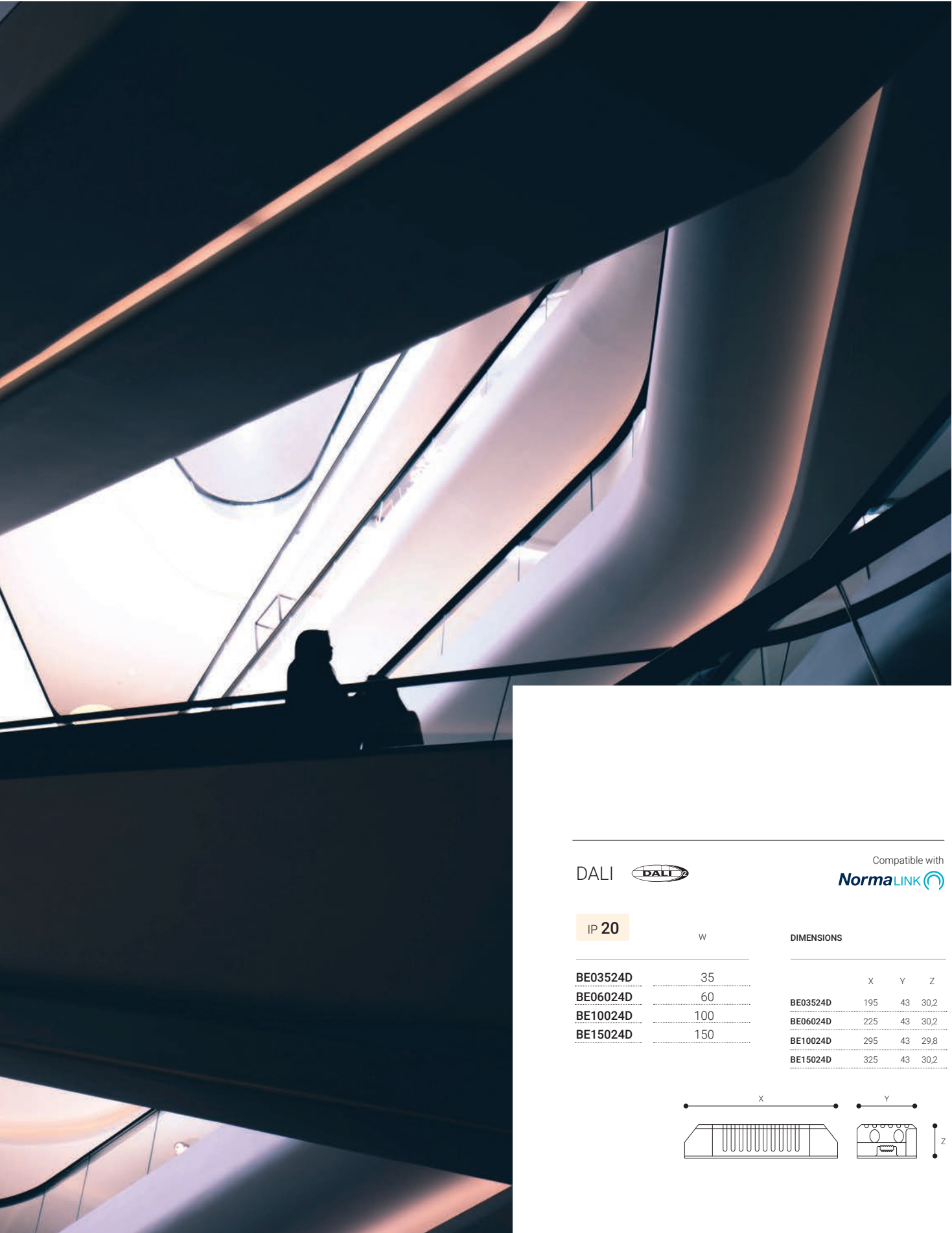
Standard

IP 20		IP 67		DIMENSIONS			
	W		W		X	Y	Z
BE03024	30	BE030240	30	BE03024	153	41,4	32
BE06024	60	BE075240	75	BE06024	180	52	30
BE07524	75	BE100240	100	BE07524	180	52	30
BE12024	120	BE150240	150	BE12024	300	40	30
BE18024	180	BE200240	200	BE18024	345	50	35
BEU35024	350	BEU300240	300	BEU35024	220	62	31
				BE030240	131	42	34
				BE075240	155	49	32
				BE100240	206	68,6	37
				BE150240	206	68,6	37
				BE200240	206	68,6	37
				BEU300240	246	77	39,5

X

Y

Z



DALI 

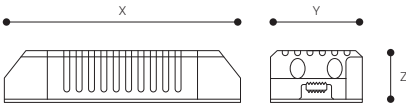
Compatible with
NormaLINK 

IP 20

W

DIMENSIONS

		X	Y	Z
BE03524D	35	195	43	30,2
BE06024D	60	225	43	30,2
BE10024D	100	295	43	29,8
BE15024D	150	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

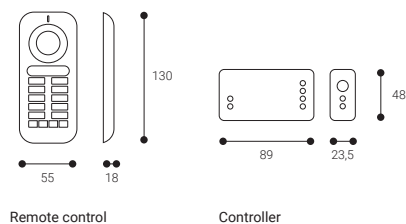
TRARF-M

Remote control for TRARF-C controller.

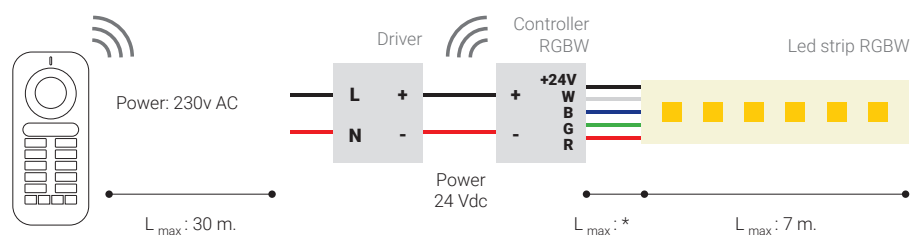


TRARF-C

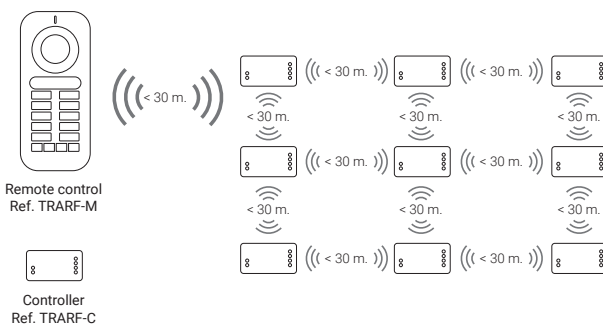
Controller for RGBW led strip.



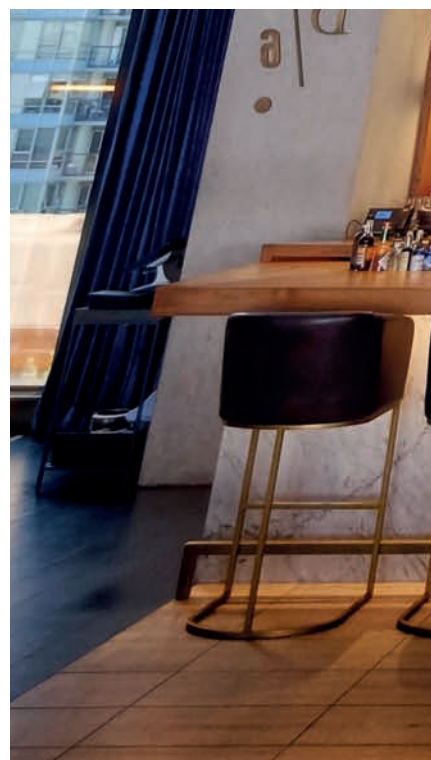
Remote control wiring

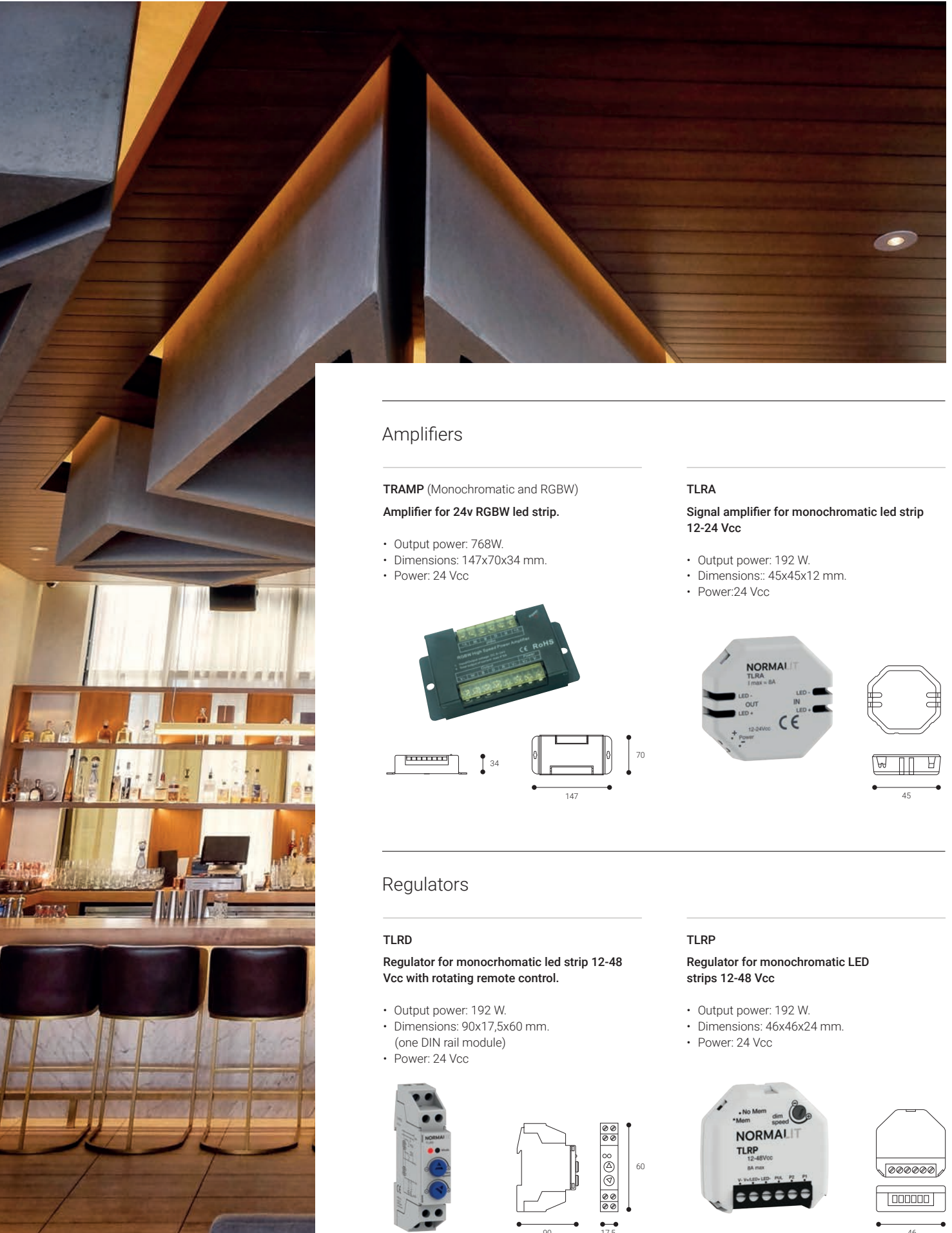


Each controller is able to reproduce the signal to other controllers that are 30 meters or less away from it.



*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.



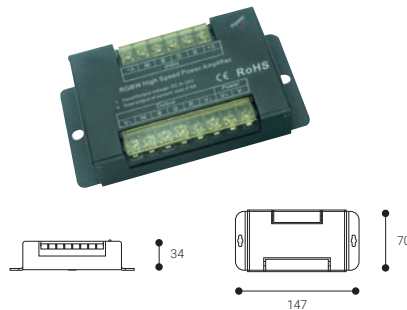


Amplifiers

TRAMP (Monochromatic and RGBW)

Amplifier for 24v RGBW led strip.

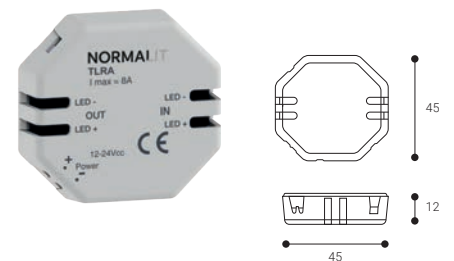
- Output power: 768W.
- Dimensions: 147x70x34 mm.
- Power: 24 Vcc



TLRA

Signal amplifier for monochromatic led strip 12-24 Vcc

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

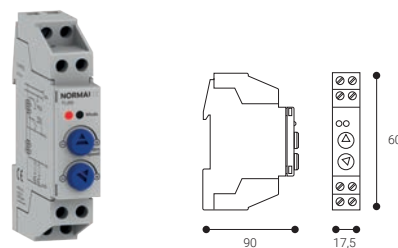


Regulators

TLRD

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

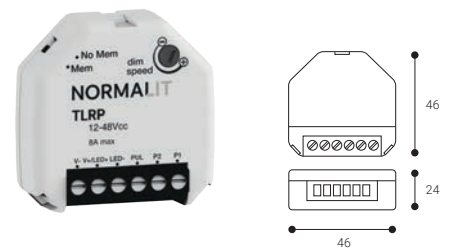
- Output power: 192 W.
- Dimensions: 90x17,5x60 mm. (one DIN rail module)
- Power: 24 Vcc



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 height
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 cover for 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 TLPD 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 0.5mm² 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 0.5mm² section wire in between the led strip and the driver. For more than two meters, use 1.5mm² section wire.

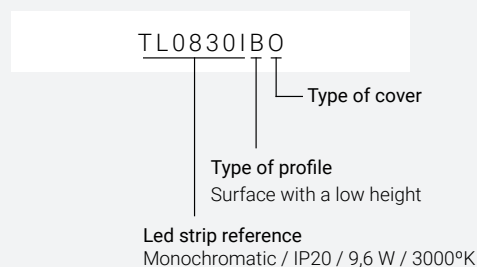
ASSEMBLY SERVICE

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 responsibility 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 mis-manipulation or misuse 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.

NORMALIT

Technical and architectural lighting
normalit.com

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