

LED Strip IP68 Tunable White 24V

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The LED Strip IP68 Tunable White 24V is engineered for high-impact outdoor environments. This robust and flexible lighting solution is designed to perform in the most demanding conditions while providing a seamless experience layer of patterns and motion. A tight bending diameter of 50mm and custom length options allow the light to effortlessly follow organic shapes and intricate architectural outlines.

With high-quality silicone housing and superior protection ratings, it is the ideal choice for enhancing architectural forms with bold light effects. The durable construction is saltwater, UV, and flame resistant, offering a reliable, long-term solution that maintains its integrity even in harsh coastal environments.

- Superior Environmental Durability – Rated IP68 and IK08, this strip is fully protected against dust, prolonged immersion in water, and physical impact.
- High-Density Output – Designed with 120 LEDs per meter to ensure smooth, consistent color temperature mixing across architectural surfaces.



Specifications

General

Power Consumption (W/m)	12
Input Voltage (V DC)	24
LEDs (/m)	120
LED Pitch (mm)	8,33
Beam Angle (°)	120
LED Type	2in1
Color Range	Tunable White
LEDs (/segment)	12
CRI	≥80, ≥90
Control	PWM

Installation Conditions & Lighting Data

Segment Length (mm)	100
Minimum Bending Diameter (mm)	50
Maximum Run Length Power ¹ (m)	Single Feed 10 Double Feed 20
Lumen Maintenance Calculated Hours (h)	L70 @ 25°C 70,000 L70 @ 50°C 50,000

¹ More details can be found in the Installation Guide document.

Operating

Environment	Outdoor
Installation Temperature (°C)	0 to +50
Working Temperature (°C)	-40 to +55
Saltwater Resistant	Yes
UV Resistant	Yes
Flame Resistant	Yes
IK Rating	IK08
IP Rating	IP68
Certification	CE, RoHS, UL, UKCA, CB, FCC
Limited Warranty	5 Years

Physical

Housing Material	Silicone
Cable Material	Silicone
Connector Material	Nylon (PA66)
Housing Color	White
Connector Type	Bare Wires / M12
Weight (kg/m)	0,14
Dimensions WxHxL (mm)	15 x 7 x 1000

Options

Color/CCT

- 2200-5700K
- 2700-5700K
- 3000-5700K

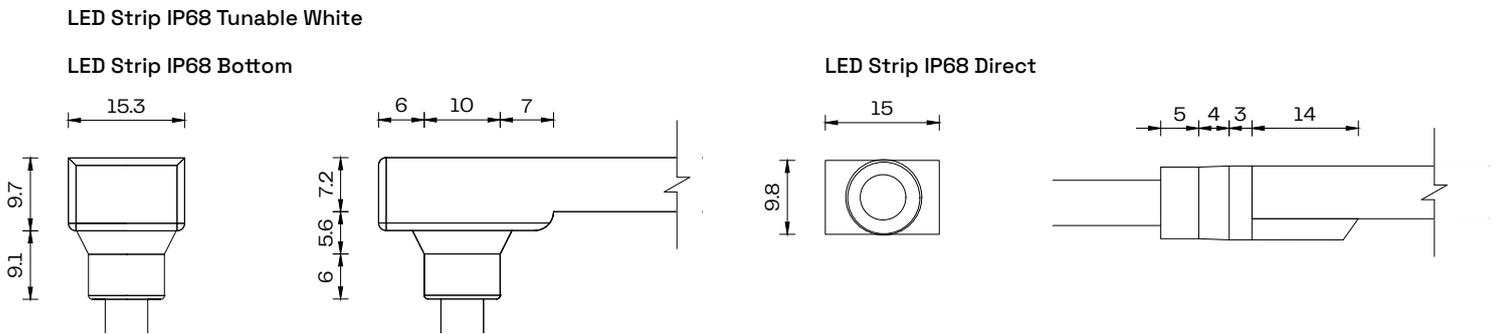
Lighting Specifications

LED Strip IP68

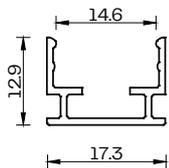
	Full White (m/m)	Warm White (m/m)	Cold White (m/m)
Tunable White 2200-5700K		629	700
Tunable White 2700-5700K			
Tunable White 3000-5700K			

Photometric Distribution

Dimensions



Accessory Options



Mounting Profile¹

Straight Profile

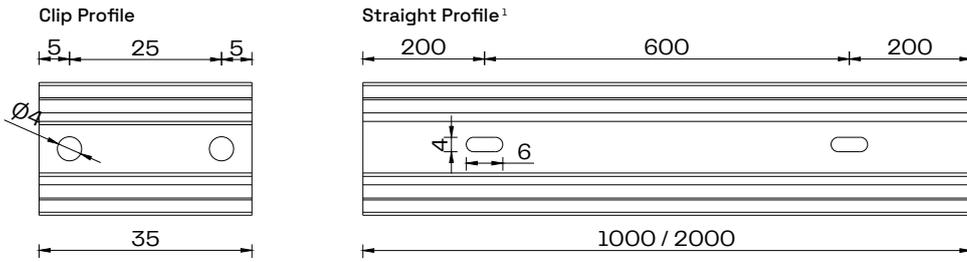
Clip Profile²

Curved Profile

¹ Straight Profile is shown. The dimensions shown are not to scale. Please refer to the Dimensions Sheet document for additional dimensions.

² Straight installation has only 4 pieces per meter, while curved installation has 8 pieces per meter.

Profile Specifications



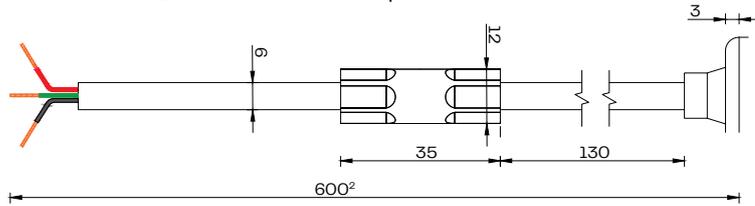
¹1000mm profile is standard. 2000mm is available to order.

Physical

Profile Material	Aluminum Alloy 6063
Aluminum Profile Finish	Blank Anodized

Connection Options

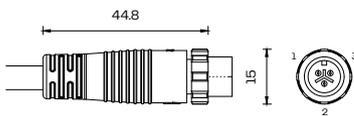
Tunable White Bare Wires with waterstop¹



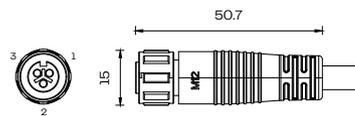
Wire Color

Red	24 V+
Green	Warm White
Black	Cold White

M12 Male Connector³



M12 Female Connector



Connector Pin

Pin 1	Red	24 V+
Pin 2	Green	Warm White
Pin 3	Black	Cold White

¹Removing the waterstop will void the warranty.

²600 mm cable length is standard. Custom length is available on request.

³When opting for M12 connector the cable including connector is 300 mm.

Product References

LED Strip IP68

Reference	Description
3172292	LED Strip IP68 Tunable White 2200-5700K
3172293	LED Strip IP68 Tunable White 2700-5700K
3172294	LED Strip IP68 Tunable White 3000-5700K

Accessories

Reference	Description
3173000	LED Strip IP68 Straight Profile 1000
3173001	LED Strip IP68 Straight Profile 2000