

LED Strip IP68 Single Color 24V

181

The LED Strip IP68 Single Color 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 – Features 120 LEDs per meter to ensure smooth, consistent light distribution across architectural surfaces.



Specifications

General

Power Consumption (W/m)	10
Input Voltage (V DC)	24
LEDs (/m)	120
LED Pitch (mm)	8,33
Beam Angle (°)	120
LED Type	Discrete
Color Range	Single Color
LEDs (/segment)	12
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

- Red
- Green
- Blue
- Pink
- Lemon Yellow

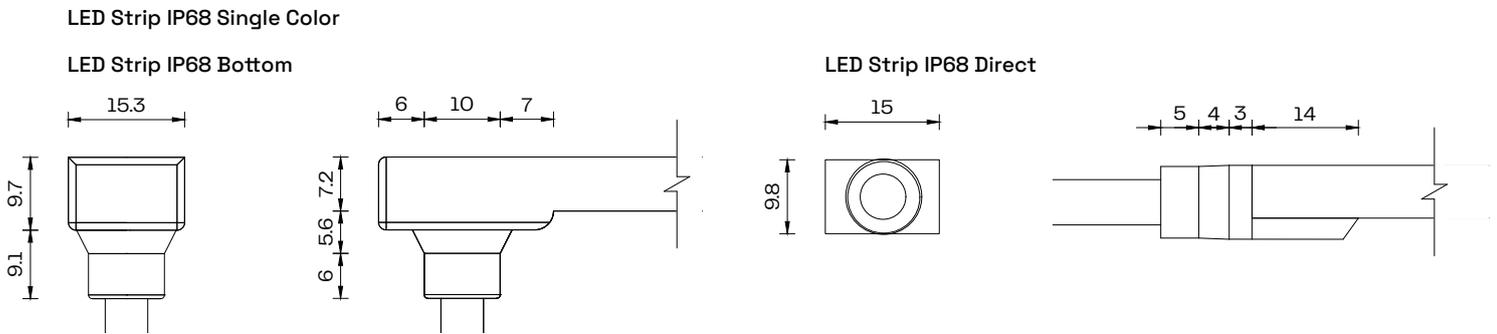
Lighting Specifications

LED Strip IP68

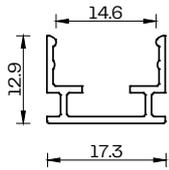
Full Color (mm)
Red
Green
Blue
Lemon Yellow
Pink

Photometric Distribution

Dimensions



Accessory Options



Mounting Profile¹

Straight Profile

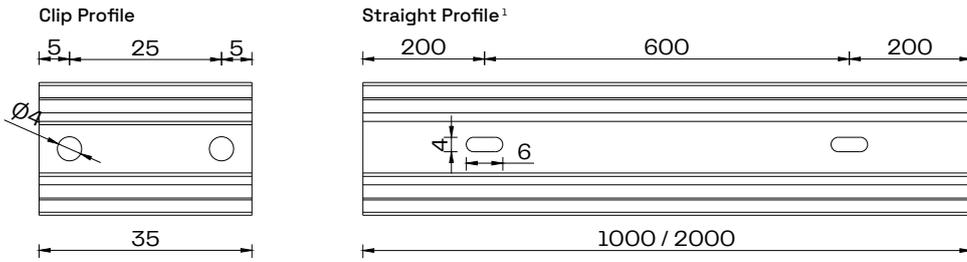
Clip Profile²

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



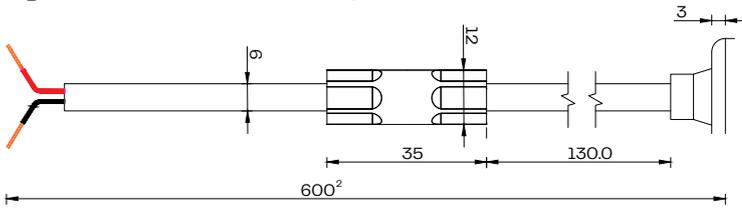
¹1000mm profile is standard. 2000mm is available to order.

Physical

Profile Material	Aluminum Alloy 6063
Aluminum Profile Finish	Blank Anodized

Connection Options

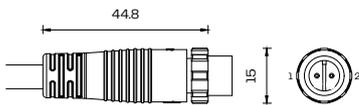
Single Color Bare Wires with waterstop¹



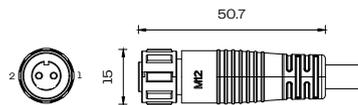
Wire Color

Red	24 V+
Black	GND

M12 Male Connector³



M12 Female Connector



Connector Pin

Pin 1	Red	24 V+
Pin 2	Black	GND

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
3172287	LED Strip IP68 Red
3172288	LED Strip IP68 Green
3172289	LED Strip IP68 Blue
3172290	LED Strip IP68 Lemon Yellow
3172291	LED Strip IP68 Pink

Accessories

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