LED Strip IP68   White 48V

The LED Strip IP68 White 48V 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.

↳ Professional Grade Efficiency — Designed for large-scale projects with a 48V architecture and a high-density configuration of 140 LEDs per meter for maximum visibility.

↳ Precise Architectural Alignment — Features 140 LEDs per meter and 100mm segment lengths, allowing for a clean, professional appearance in complex outdoor installations.

CE   RoHS   IP68   IK08   UL   UKCA   FC

Specifications

General

Power Consumption (W/m)	9
Input Voltage (V DC)	48
LEDs (/m)	140
LED Pitch (mm)	7,14
Beam Angle (°)	120
LED Type	Discrete
Color Range	White
LEDs (/segment)	14
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
	Double Feed
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

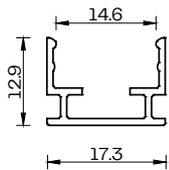|	
☐ 2200K	☐ 4000K
☐ 2700K	☐ 4500K
☐ 3000K	☐ 5000K
☐ 3500K	☐ 6500K

Lighting Specifications

LED Strip IP68

	Full White (lm/m)
48V 2200K	
48V 2700K	
48V 3000K	
48V 3500K	
48V 4000K	
48V 4500K	
48V 5000K	
48V 6500K	

Photometric Distribution

Dimensions

LED Strip IP68 White

LED Strip IP68 Bottom

LED Strip IP68 Direct
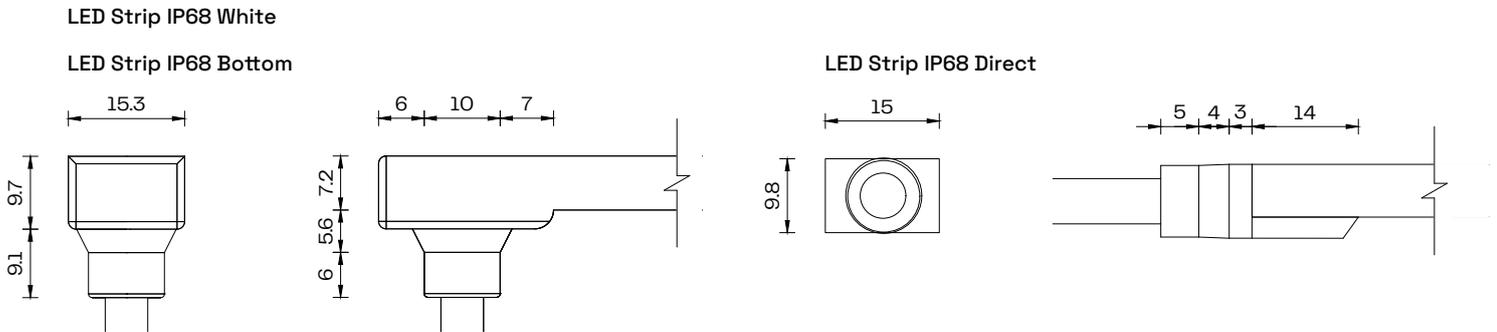
Accessory Options

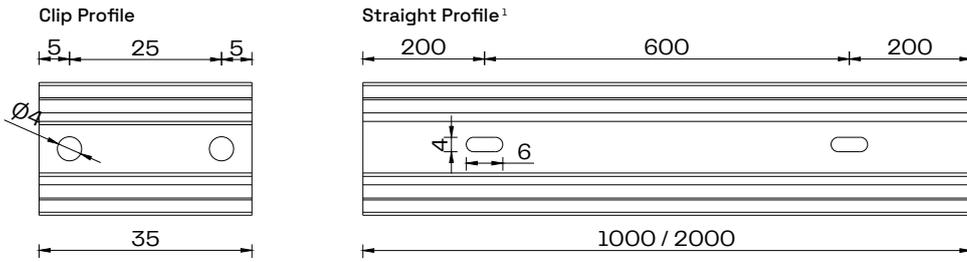**Mounting Profile** [1]

Straight Profile
Clip Profile [2]
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.
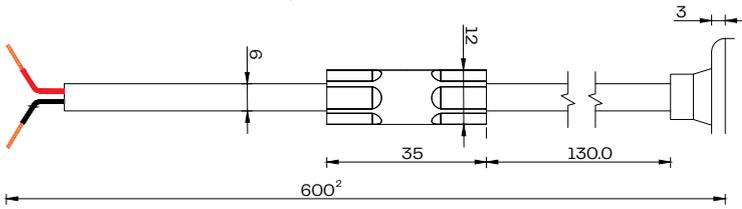
Profile Specifications

Clip Profile

5 25 5

Ø4

35

Straight Profile [1]

200 600 200

4 6

1000 / 2000

Physical

Profile Material	Aluminum Alloy 6063
Aluminum Profile Finish	Blank Anodized

[1] 1000mm profile is standard. 2000mm is available to order.

Connection Options

White Bare Wires with waterstop [1]

9 12 3

35 130.0

600 [2]

Wire Color

Red	48 V+
Black	GND

M12 Male Connector [3]

44.8

15 1 2
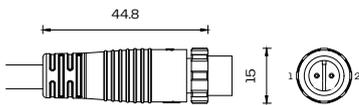
M12 Female Connector

50.7

2 1 15 M12
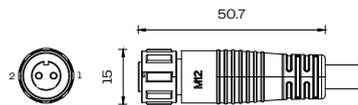
Connector Pin

Pin 1	Red	48 V+
Pin 2	Black	GND

[1] Removing the waterstop will void the warranty.
[2] 600 mm cable length is standard. Custom length is available on request.
[3] When opting for M12 connector the cable including connector is 300 mm.

Product References

LED Strip IP68

Reference	Description
3172279	LED Strip IP68 48V 2200K
3172280	LED Strip IP68 48V 2700K
3172281	LED Strip IP68 48V 3000K
3172282	LED Strip IP68 48V 3500K
3172283	LED Strip IP68 48V 4000K
3172284	LED Strip IP68 48V 4500K
3172285	LED Strip IP68 48V 5000K
3172286	LED Strip IP68 48V 6500K

Accessories

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