

LED Strip IP68 Multi Color RGBW 48V

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The LED Strip IP68 Multi Color RGBW 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.
- ▾ Dedicated White Channel – Features a 4in1 LED with an integrated white channel for superior color depth and high-quality architectural illumination.



Specifications

General

Power Consumption (W/m)	20
Input Voltage (V DC)	48
LEDs (/m)	84
LED Pitch (mm)	11,9
Beam Angle (°)	120
LED Type	4in1
Color Range	RGBW
LEDs (/segment)	10
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

- RGBW2700K
- RGBW3000K
- RGBW4000K
- RGBW5000K

Lighting Specifications

LED Strip IP68

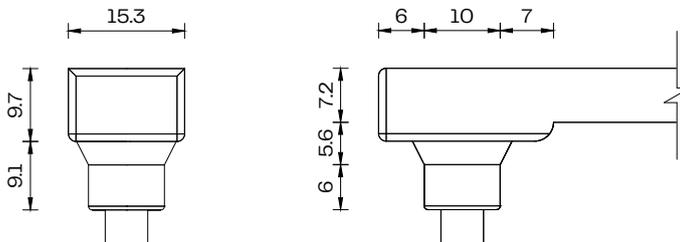
	Full RGBW (lm/m)	Red (lm/m)	Green (lm/m)	Blue (lm/m)	White (lm/m)
48V RGBW2700K					
48V RGBW3000K					
48V RGBW4000K					
48V RGBW5000K					

Photometric Distribution

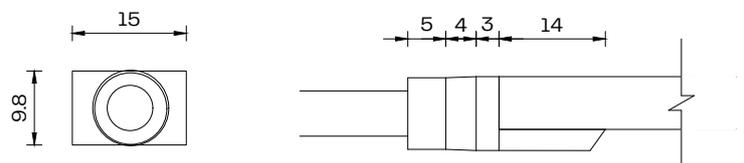
Dimensions

LED Strip IP68 Multi Color

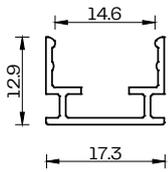
LED Strip IP68 Bottom



LED Strip IP68 Direct



Accessory Options



Mounting Profile¹

Straight Profile

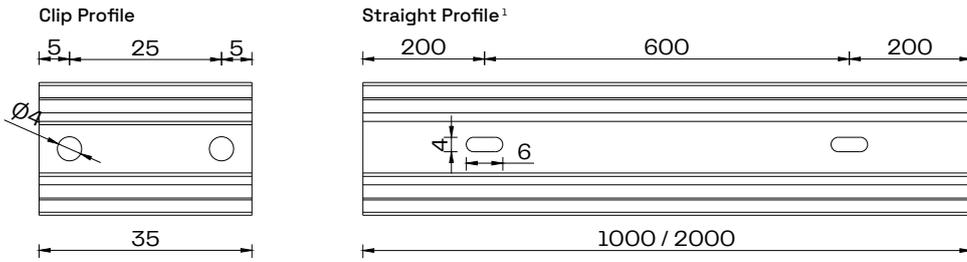
Clip Profile²

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



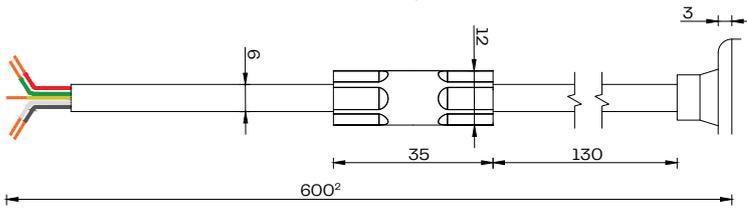
¹1000mm profile is standard. 2000mm is available to order.

Physical

Profile Material	Aluminum Alloy 6063
Aluminum Profile Finish	Blank Anodized

Connection Options

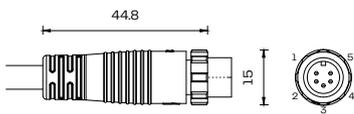
Multi Color RGBW Bare Wires with waterstop¹



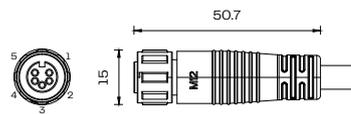
Wire Color

Red	48 V+
Green	Green
Yellow	Red
White	White
Black	Blue

M12 Male Connector³



M12 Female Connector



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.

Connector Pin

Pin 1	Red	48 V+
Pin 2	Green	Green
Pin 3	White	White
Pin 4	Yellow	Red
Pin 5	Black	Blue

Product References

LED Strip IP68

Reference	Description
3172301	LED Strip IP68 48V RGBW2700K
3172302	LED Strip IP68 48V RGBW3000K
3172303	LED Strip IP68 48V RGBW4000K
3172304	LED Strip IP68 48V RGBW5000K

Accessories

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