

# LED Strip IP68 Multi Color RGB 48V

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The LED Strip IP68 Multi Color RGB 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.

- Extended Run Performance – Designed for large-scale projects with a maximum power run length of 20 meters, reducing the need for frequent power injection points.
- High-Density Output – Features 84 LEDs per meter, ensuring smooth, consistent color mixing and high-impact visibility.



CE RoHS IP68 IK08 UL UKCA FCC

## Specifications

### General

Power Consumption (W/m)	15
Input Voltage (V DC)	48
LEDs (/m)	84
LED Pitch (mm)	11,9
Beam Angle (°)	120
LED Type	3in1
Color Range	RGB
LEDs (/segment)	10
Control	PWM

### Installation Conditions & Lighting Data

Segment Length (mm)	166,67
Minimum Bending Diameter (mm)	50
Maximum Run Length Power <sup>1</sup> (m)	Single Feed 20 Double Feed 40
Lumen Maintenance Calculated Hours (h)	L70 @ 25°C 70,000 L70 @ 50°C 50,000

<sup>1</sup> 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

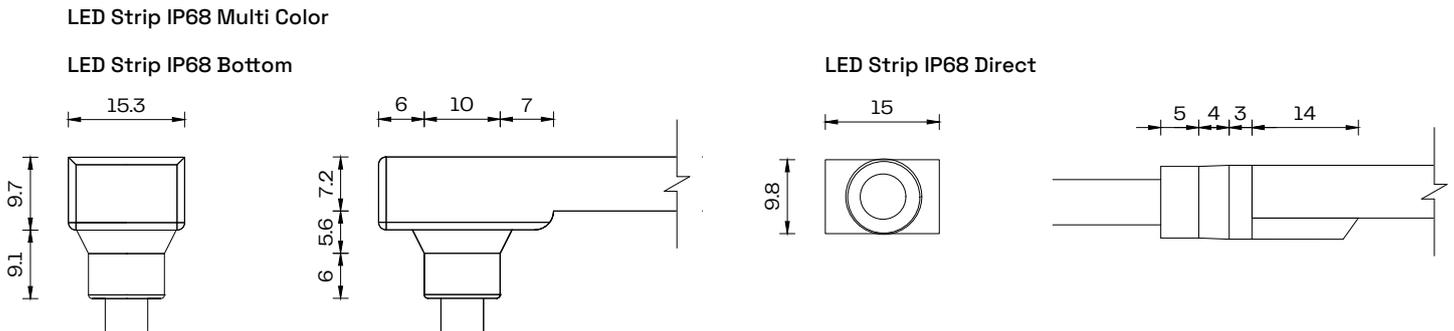
# Lighting Specifications

## LED Strip IP68

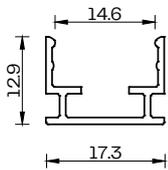
	Full RGB (lm/m)	Red (lm/m)	Green (lm/m)	Blue (lm/m)
48V RGB				

## Photometric Distribution

## Dimensions



## Accessory Options



### Mounting Profile<sup>1</sup>

Straight Profile

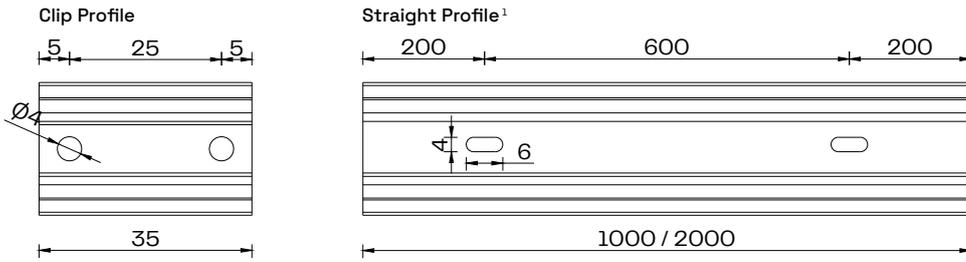
Clip Profile<sup>2</sup>

Curved Profile

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

<sup>2</sup> Straight installation has only 4 pieces per meter, while curved installation has 8 pieces per meter.

# Profile Specifications



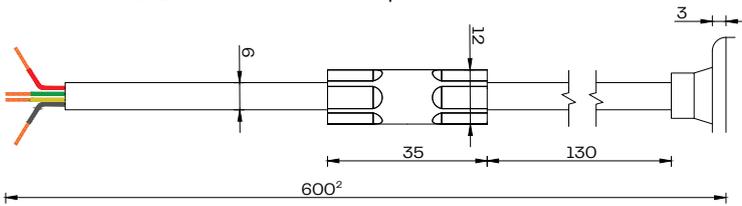
<sup>1</sup>1000mm profile is standard. 2000mm is available to order.

## Physical

Profile Material	Aluminum Alloy 6063
Aluminum Profile Finish	Blank Anodized

# Connection Options

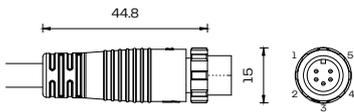
## Multi Color RGB Bare Wires with waterstop<sup>1</sup>



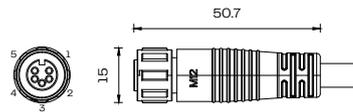
## Wire Color

Red	48 V+
Green	Green
Yellow	Red
Black	Blue

## M12 Male Connector<sup>3</sup>



## M12 Female Connector



## Connector Pin

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

<sup>1</sup>Removing the waterstop will void the warranty.

<sup>2</sup>600 mm cable length is standard. Custom length is available on request.

<sup>3</sup>When opting for M12 connector the cable including connector is 300 mm.

# Product References

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## LED Strip IP68

Reference	Description
3172300	LED Strip IP68 48V RGB

## Accessories

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