

# LED Strip IP68 Multi Color RGB 24V

181

The LED Strip IP68 Multi Color RGB 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.
- Efficient Architectural Integration – Operates at 24V with a 100mm segment length, allowing for precise fitment and reliable performance in professional outdoor installations.



## Specifications

### General

|                         |       |
|-------------------------|-------|
| Power Consumption (W/m) | 12    |
| Input Voltage (V DC)    | 24    |
| LEDs (/m)               | 60    |
| LED Pitch (mm)          | 16,67 |
| Beam Angle (°)          | 120   |
| LED Type                | 3in1  |
| Color Range             | RGB   |
| LEDs (/segment)         | 6     |
| Control                 | PWM   |

### Installation Conditions & Lighting Data

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

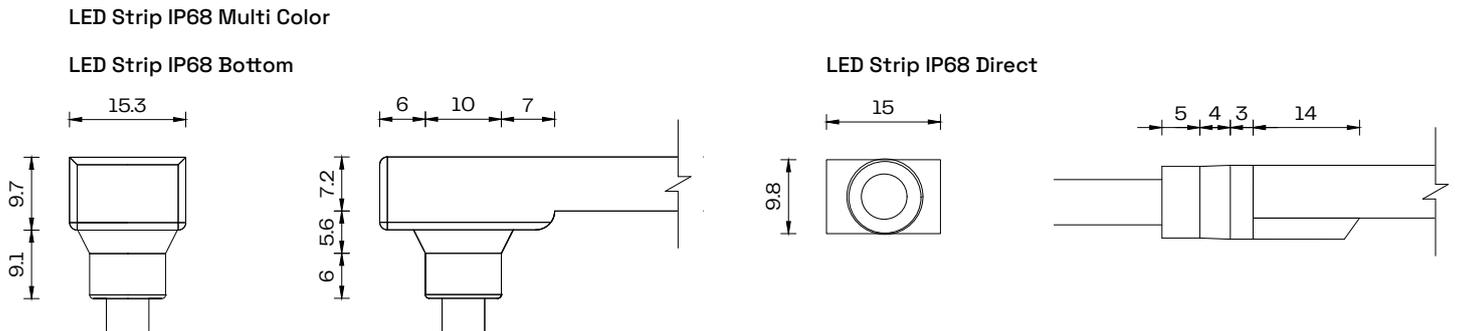
# Lighting Specifications

## LED Strip IP68

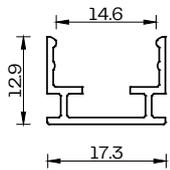
|     | Full RGB<br>(lm/m) | Red<br>(lm/m) | Green<br>(lm/m) | Blue<br>(lm/m) |
|-----|--------------------|---------------|-----------------|----------------|
| RGB | 374                | 82            | 249             | 42             |

## Photometric Distribution

## Dimensions



## Accessory Options



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

Straight Profile

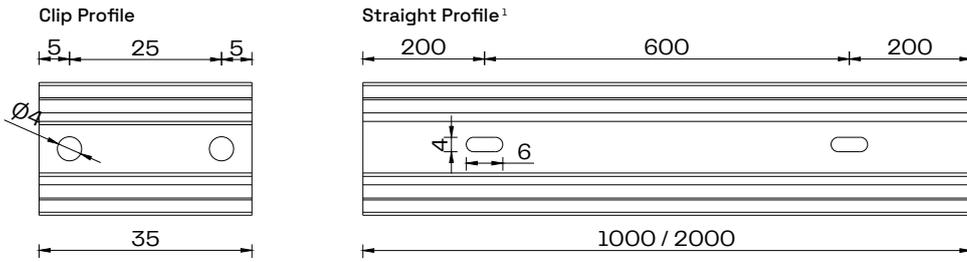
Clip Profile<sup>2</sup>

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



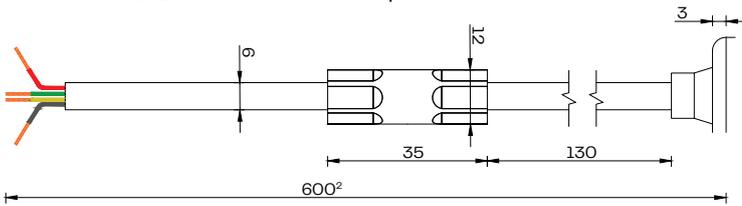
<sup>1</sup>1000mm profile is standard. 2000mm is available to order.

## Physical

|                         |                     |
|-------------------------|---------------------|
| Profile Material        | Aluminum Alloy 6063 |
| Aluminum Profile Finish | Blank Anodized      |

# Connection Options

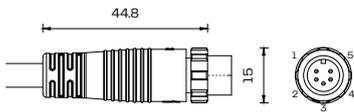
## Multi Color RGB Bare Wires with waterstop<sup>1</sup>



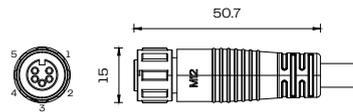
## Wire Color

|        |       |
|--------|-------|
| Red    | 24 V+ |
| Green  | Green |
| Yellow | Red   |
| Black  | Blue  |

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



## M12 Female Connector



<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.

## Connector Pin

|       |        |       |
|-------|--------|-------|
| Pin 1 | Red    | 24 V+ |
| Pin 2 | Green  | Green |
| Pin 3 | White  | NC    |
| Pin 4 | Yellow | Red   |
| Pin 5 | Black  | Blue  |

# Product References

---

## LED Strip IP68

| Reference | Description        |
|-----------|--------------------|
| 3172295   | LED Strip IP68 RGB |

## Accessories

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