LED Strip IP68 Multi Color RGB 48V

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 FC

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 [1] (m)	Single Feed	20
	Double Feed	40
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

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