

LED Striplight RGB

7.2W/m, 14.4W/m

Features

- Extremely energy saving with low power consumption
- High brightness, multi-functional for linear decoration
- Long average life 30000 hours
- Vivid and multiple color effects
- Low thermal output with no IR and harmful UV
- No mercury and hazardous substances
- LED Driver Controllers: 12V/24V LED Driver, LED RGB Controller, LED Remote RGB Controller
- Connectors: 4 Pin Quick Connector, Strip-to-Wire, Strip-to-Strip, 'I' Type Fast Plug, 'T' Type Fast Plug, Wire-to-Wire Fast Plug
- Profiles: Surface mounted, Recessed
- Extra profiles and accessories need to order separately
- Dimmable as option



Diagrams

LED Driver Controllers:



**12V/24V
LED Driver**

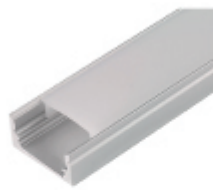


**LED RGB
Controller**

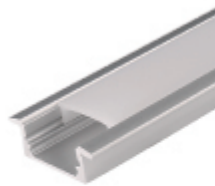
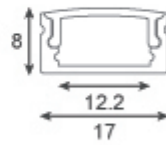


**LED Remote
RGB Controller**

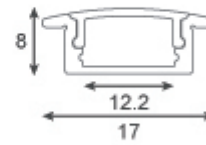
Profiles:



**Surface
mounted**



Recessed



* Extra profiles and accessories need to order separately.

Connectors:



**4 Pin
Quick Connector**



Strip-to-Wire



Strip-to-Strip



**'I' Type
Fast Plug**

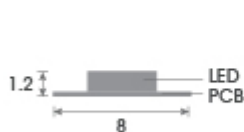


**'T' Type
Fast Plug**



**Wire-to-Wire
Fast Plug**

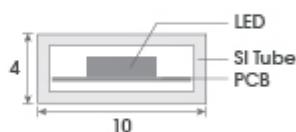
Dimensions:



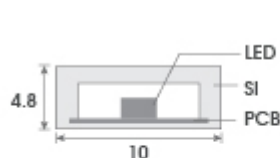
IP20



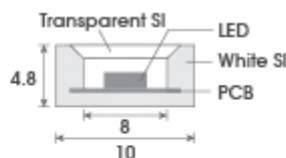
IP54-S



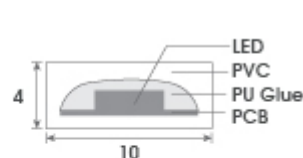
IP65



IP67-R



IP67-RW



IP68

Prosperity Lamps & Components Ltd.

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Standards



IP20

IP54

IP65

IP67

IP68

Applications



Home



Shopping mall



Hotel



Supermarket



Restaurant



Gallery



Museum

Technical Data

Electrical

Rated Wattage [W]	7.2W/m, 14.4W/m
Rated Voltage [V/Hz]	12V DC, 50/60Hz / 12/24V DC, 50/60Hz
Power Factor	1
Input Current (mA) @12V	600 / 1200
Input Current (mA) @24V	600
LED	SMD 5050

Model

LED 5050 7.2W 10-30 RGB	7.2W/m, 12VDC
LED 5050 14.4W 10-60 RGB	14.4W/m, 12V/24VDC

Luminous Flux [lm]

7.2W/m	300lm/m
14.4W/m	600lm/m

Cutting Unit [mm]

7.2W/m	100mm/3LEDs (12V)
14.4W/m	50mm/3LEDs (12V), 100mm/6LEDs (24V)

Performance

SDCM	<6
Efficacy [lm/W]	42
Color Rendering Index [Ra]	-
Beam Angle [°]	120
Rated Life, Ta@25°C [hrs]	30,000
Lamp Survival Factor	0.9
Lumen Maintenance	0.96
Number of Switching Cycles Before Failure	>15,000

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Starting Time [S]	<0.5
Warm Up Time [S]	<2
Premature Failure At 1000hrs	<5%
Mechanical	
Length L [mm]	5000 per reel
Width W [mm] x Height H [mm]	IP20 : 10 x 1.8
	IP54-S : 10 x 2.5
	IP65 : 12 x 4
	IP67-R : 12 x 4.8
	IP67-RW : 12 x 4.8
	IP68 : 12 x 4.5
	Once the strip light is cut, IP68 is no longer guaranteed
	Surface mounted profile : 17 x 8
	Recessed profile : 17 x 8
Number of LEDs	30 pcs/m (7.2W/m)
	60 pcs/m (14.4W/m)
Material	Chips: Epistar
Standard Compliance	
CE-LVD	EN62560
CE-EMC	EN55015, EN61547, EN61000-3-2, EN61000-3-3
CE-EMF	EN62493
Mercury Content [mg]	0.0
Other	
Dimmable [Yes/Only with specific dimmers/No]	Yes
Operation Temperature	-10°C ~ 40°C
Storage Temperature	-20°C ~ 60°C