

LED Striplight RGB North America

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
- Color Rendering Index: ≥ 80



Diagrams

Connectors:



**4 Pin
Quick Connector**



Strip-to-Wire



Strip-to-Strip



**'I' Type
Fast Plug**



**'T' Type
Fast Plug**

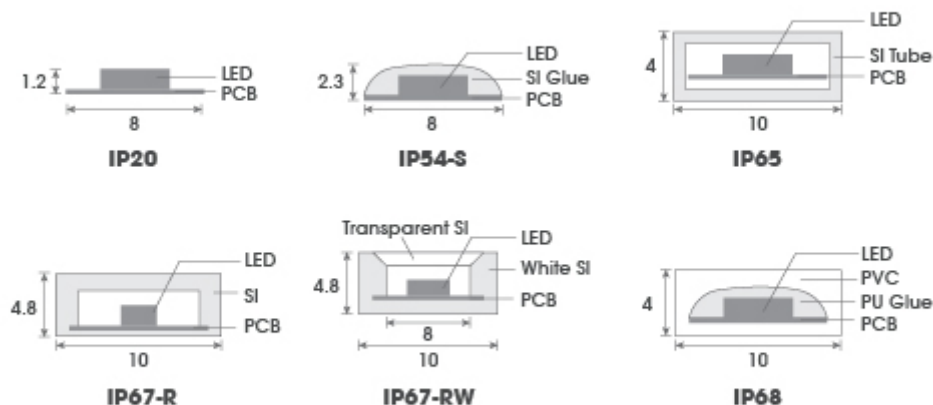


**Wire-to-Wire
Fast Plug**

Prosperity Lamps & Components Ltd.

Tel: (852) 2511 0022 Fax: (852) 2511 0082 Web: www.prosperitylamps.com Email: info@prosperitylamps.com

Dimensions:



LED Driver Controllers:



**12V/24V
LED Driver**

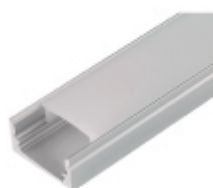


**LED RGB
Controller**

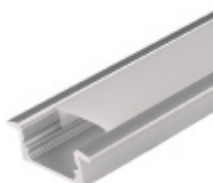
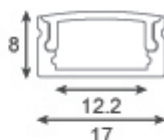


**LED Remote
RGB Controller**

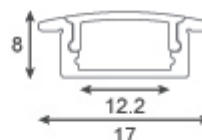
Profiles:



**Surface
mounted**



Recessed



* Extra profiles and accessories need to order separately.

Standards



Applications



Technical Data	
Electrical	
Rated Wattage [W]	7.2W/m, 14.4W/m
Rated Voltage [V/Hz]	100-277V, 50/60Hz
Power Factor @120V	0.95
Input Current (mA) @120V	63 / 126
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
Estimated Yearly Energy Cost [\$USD]	0.87/m / 1.73/m
Luminous Efficacy [lm/W]	42
Color Rendering Index [Ra]	≥80
Color Maintenance [hr]	>6000
Luminous Intensity Distribution [°]	120
Life [Yrs] (based on 3hrs/day)	27
Lumen Maintenance at 6000hrs	>0.8
Rapid Cycle Stress	>15,000 cycles

Start Time [sec]	<0.5
LED Failure	<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
Number of LEDs	Surface mounted profile : 17 x 8
	Recessed profile : 17 x 8
	30 pcs/m (7.2W/m)
Material	60 pcs/m (14.4W/m)
	Chips: Epistar
Standard Compliance	
ANSI	UL8750, UL1993, UL1598, C82.77-2002, C78.377-2008
Mercury Content [mg]	0.0
Other	
Dimmable [Y/N]	Optional
Operation Temperature	-10°C ~ 40°C
Storage Temperature	-20°C ~ 60°C