

LED Striplight 2835 North America

4.8W/m, 7.2W/m, 14.4W/m, 24W/m, 33.6W/m

Features

- Extremely energy saving with low power consumption
- High brightness, multi-functional for linear decoration
- Long average life 30000 hours
- Good color rendition
- Low thermal output with no IR and harmful UV
- No mercury and hazardous substances
- For all strips with wattage over 14.4W, an aluminium profile must be used
- Dimmable as option
- Color Rendering Index: ≥ 80
- LED Driver Controllers: 12V/24V LED Driver, LED Dimmer (With Remote Control Device), LED Manual Controller, LED Remote Controller
- Connectors: 2 Pin Quick Connector, Strip-to-Wire, Strip-to-Strip, 'I' Type Fast Plug, 'T' Type Fast Plug, Wire-to-Wire Fast Plug (33.6W exclusive of 2 Pin Quick Connector, Strip-to-Wire and Strip-to-Strip Connectors)
- Profiles: Surface mounted, Recessed
- Extra profiles and accessories need to order separately



Diagrams

LED Driver Controllers:



**12V/24V
LED Driver**



**LED Dimmer
(With Remote
Control Device)**

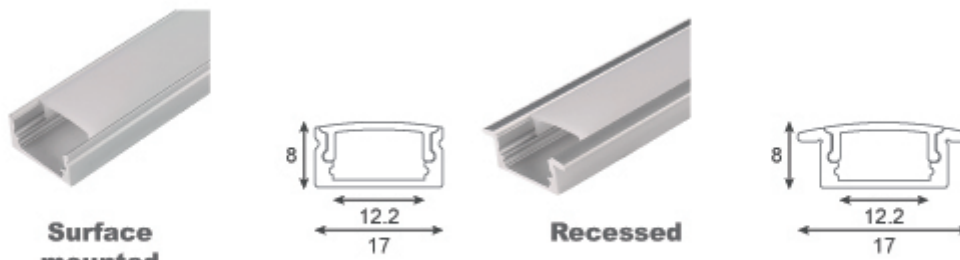


**LED Manual
Controller**



**LED Remote
Controller**

Profiles:



* Extra profiles and accessories need to order separately.

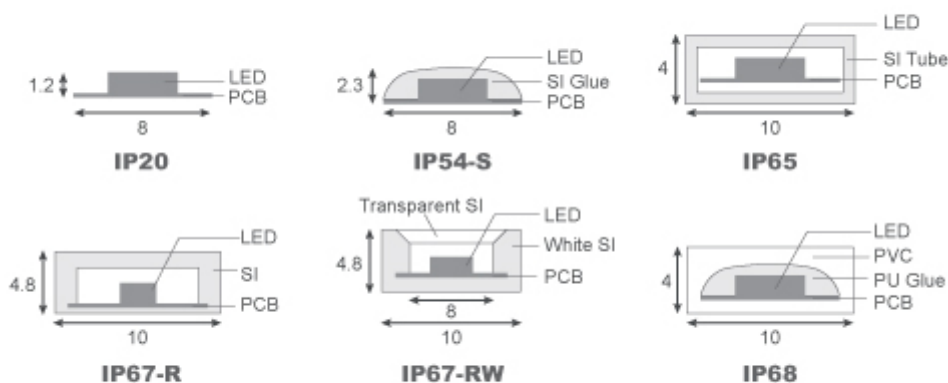
Connectors:



* 33.6W exclusive of 2 Pin Quick Connector, Strip-to-wire and Strip-to-Strip Connectors



Dimensions:



Prosperity Lamps & Components Ltd.

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

Standards



Applications



Technical Data	
Electrical	
Rated Wattage [W]	4.8W/m, 7.2W/m, 14.4W/m, 24W/m, 33.6W/m
Rated Voltage [V/Hz]	100-277V, 50/60Hz
Power Factor @120V	0.95
Input Current (mA) @120V	42 / 63 / 126 / 211 / 295
LED	SMD 2835
Model	
LED 2835 4.8W 8-60 8XX	4.8W/m, 12V/24VDC
LED 2835 7.2W 8-60 8XX	7.2W/m, 12V/24VDC
LED 2835 14.4W 8-60 8XX	14.4W/m, 12V/24VDC
LED 2835 24W 8-120 8XX	24W/m, 12V/24VDC
LED 2835 33.6W 8-168 8XX	33.6W/m, 24VDC
Luminous Flux [lm]	
4.8W/m	560lm/m @3000K
	570lm/m @4000K
	580lm/m @6500K
7.2W/m	750lm/m @3000K
	795lm/m @4000K
	840lm/m @6500K
14.4W/m	1260lm/m @3000K
	1380lm/m @4000K
	1500lm/m @6500K
24W/m	2160lm/m @3000K
	2370lm/m @4000K
	2580lm/m @6500K

33.6W/m	3025lm/m @3000K
	3320lm/m @4000K
	3610lm/m @6500K
Cutting Unit [mm]	
4.8W/m	50mm/3LEDs (12V), 100mm/6LEDs (24V)
7.2W/m	50mm/3LEDs (12V), 100mm/6LEDs (24V)
14.4W/m	50mm/3LEDs (12V), 100mm/6LEDs (24V)
24W/m	25mm/3LEDs (12V), 50mm/6LEDs (24V)
33.6W/m	35.7mm/6LEDs (24V)
Performance	
SDCM	<6
Estimated Yearly Energy Cost [\$USD]	0.58/m / 0.87/m / 1.73/m / 2.89/m / 4.05/m
Luminous Efficacy [lm/W]	88-121
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 : 8 x 1.2
	IP54-S : 8 x 2.3
	IP65 : 10 x 4
	IP67-R : 10 x 4.8
	IP67-RW : 10 x 4.8
	IP68 : 10 x 4
	33.6W/m only available for IP20
	24W/m exclusive of IP54-S and IP68
	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	60 pcs/m (4.8W/m, 7.2W/m, 14.4W/m)
	120 pcs/m (24W/m)
	168 pcs/m (33.6W/m)
Material	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

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Storage Temperature

-20°C ~ 60°C