

LED Striplight 2016

9.36W/m, 14.3W/m

Features

- Extremely energy saving with low power consumption
- High brightness, multi-functional for linear decoration
- Long average life 30000 hours
- Low thermal output with no IR and harmful UV
- No mercury and hazardous substances
- Dimmable as option
- LED Driver Controllers: 24V LED Driver, LED Dimmer (With Remote Control Device), LED Manual Controller, LED Remote 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
- High color rendition, Ra ≥90



Diagrams

LED Driver Controllers:



**12V/24V
LED Driver**



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



**LED Manual
Controller**



**LED Remote
Controller**

Connectors:



**4 Pin
Quick Connector**



Strip-to-Wire



Strip-to-Strip



**'I' Type
Fast Plug**

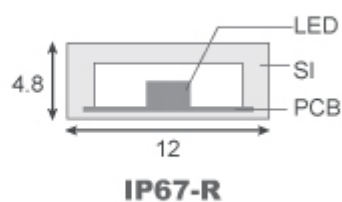
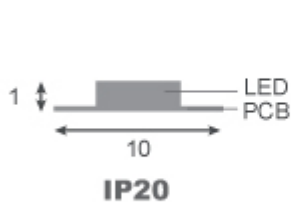


**'T' Type
Fast Plug**



**Wire-to-Wire
Fast Plug**

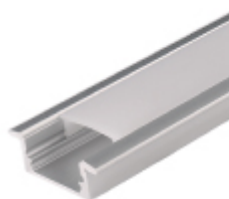
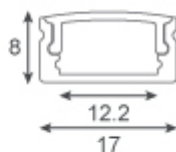
Dimensions:



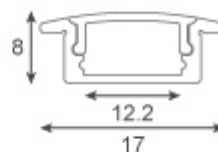
Profiles:



**Surface
mounted**



Recessed



* Extra profiles and accessories need to order separately.

Standards



IP20

IP65

IP67

Applications



Home



Shopping mall



Hotel



Supermarket



Restaurant



Gallery



Museum

Technical Data

Type of Light Source

Lighting Technology Used LED

Non-directional or Directional [NDLS/DLS] NDLS

Mains or Non-mains [MLS/NMLS] NMLS

Connected Light Source No

Color tunable light source No

Envelop [No/Second/Non-Clear] No

High Luminance Light Source No

Anti-glare Shield No

Electrical

Rated Wattage [W] 9.36W/m, 14.3W/m

On-mode Power [W] 9.36W/m, 14.3W/m

Standby Power [W] N/A

Networked Standby Power [W] N/A

Rated Voltage [V/Hz] 24V DC, 50/60Hz

Power Factor 1

Input Current (mA) @24V 390 / 596

LED SMD 2016

Model

LED 2016 9.36W 5-140 9XX 9.36W/m, 24VDC

LED 2016 14.3W 5-210 9XX 14.3W/m, 24VDC

Luminous Flux (Useful Luminous Flux) [lm]

9.36W/m 895lm/m @3000K

950lm/m @4000K

980lm/m @6500K

Prosperity Lamps & Components Ltd.

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14.3W/m	1290lm/m @3000K
	1425lm/m @4000K
	1450lm/m @6500K
Cutting Unit [mm]	
9.36W/m	50mm/7LEDs
14.3W/m	33.3mm/7LEDs
Performance	
SDCM	<6
Chromaticity coordinates [x, y]	0.44,0.403@3000K / 0.38,0.38@4000K / 0.312,0.335@6500K
Efficacy [lm/W]	90-105
Color Rendering Index [Ra]	≥90
R9 colour rendering index value	2
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
Starting Time [S]	<0.5
Warm Up Time [S]	<2
Premature Failure At 1000hrs	<5%
Displacement Factor [cosØ]	N/A
Flicker Metric [Pst LM]	N/A
Stroboscopic Effect Metric [SVM]	N/A
Mechanical	
Length L [mm]	5000 per reel
Width W [mm] x Height H [mm]	IP20 : 10 x 1
	IP54-S : 10 x 2.2
	IP67-R : 12 x 4.8
	Surface mounted profile : 17 x 8
	Recessed profile : 17 x 8
Number of LEDs	140 pcs/m (9.36W/m)
	210 pcs/m (14.3W/m)
Material	Chips: Epistar
Standard Compliance	
CE-LVD	EN62560
CE-EMC	EN55015, EN61547, EN61000-3-2, EN61000-3-3
CE-EMF	EN62493
Environment	RoHS
Mercury Content [mg]	0.0
Energy Class	F
	G (14.3W/m 930)
Other	
Dimmable [Yes/Only with specific dimmers/No]	Y
Operation Temperature	-10°C ~ 40°C

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Storage Temperature	-20°C ~ 60°C
Energy Consumption in on-mode [kWh/1000h]	10kWh / 15kWh