LED Striplight 2835

4.6W/m, 7.2W/m, 14.2W/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
· Good color rendition, Ra ≥80

Diagrams

LED Driver Controllers:



12V/24V
LED Driver



LED Dimmer
(With Remote
Control Device)



LED Manual
Controller



LED Remote
Controller

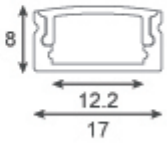
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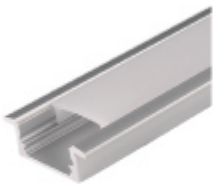
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Profiles:

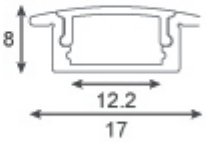


Surface mounted





Recessed



* Extra profiles and accessories need to order separately.

Connectors:



2 Pin Quick Connector



Strip-to-Wire



Strip-to-Strip

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



'I' Type Fast Plug

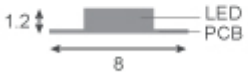


'T' Type Fast Plug

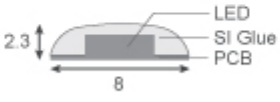


Wire-to-Wire Fast Plug

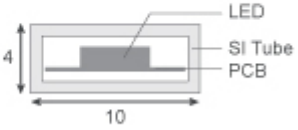
Dimensions:



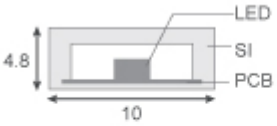
IP20



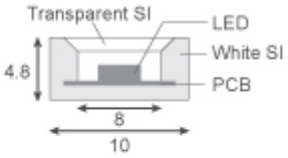
IP54-S



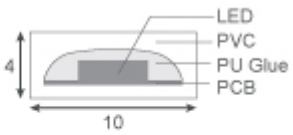
IP65



IP67-R



IP67-RW



IP68

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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]	4.6W/m, 7.2W/m, 14.2W/m
On-mode Power [W]	4.6W/m, 7.2W/m, 14.2W/m
Standby Power [W]	N/A
Networked Standby Power [W]	N/A
Rated Voltage [V/Hz]	24V, 50/60Hz
Power Factor	1
Input Current (mA) @24V	192 / 300 / 592
LED	SMD 2835
Model	
LED 2835 4.6W 8-70 8XX	4.6W/m, 24VDC
LED 2835 7.2W 8-70 8XX	7.2W/m, 24VDC
LED 2835 14.2W 8-210 8XX	14.2W/m, 24VDC
Luminous Flux (Useful Luminous Flux) [lm]	
4.6W/m	555lm/m @3000K
	570lm/m @4000K

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	580lm/m @6500K
7.2W/m	810lm/m @3000K
	830lm/m @4000K
	850lm/m @6500K
14.2W/m	1670lm/m @3000K
	1700lm/m @4000K
	1730lm/m @6500K
Cutting Unit [mm]	
4.6W/m	100mm/7LEDs (24V)
7.2W/m	100mm/7LEDs (24V)
14.2W/m	33.3mm/7LEDs (24V)
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]	113-126
Color Rendering Index [Ra]	≥80
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 : 8 x 1.2
	IP65 : 10 x 4
	IP67-R : 10 x 4.8
	Surface mounted profile : 17 x 8
	Recessed profile : 17 x 8
Number of LEDs	70 pcs/m (4.6W/m, 7.2W/m)
	210 pcs/m (14.2W/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

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Energy Class	E (4.6W/m, 14.2W/m 840 865)
	F (7.2W/m, 14.2W/m 830)
Other	
Dimmable [Yes/Only with specific dimmers/No]	Y
Operation Temperature	-10°C ~ 40°C
Storage Temperature	-20°C ~ 60°C
Energy Consumption in on-mode [kWh/1000h]	5kWh / 8kWh / 15kWh

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