

PRODUCT DATASHEET

LM-SP 1800-927-DC 85W 24V

LED STRIP PERFORMANCE IP20 1800 | LED strips for professional applications



Areas of application

- Indoor semi-professional ambience lighting for hotel office and industry
- Backlighting
- Cabinet, closet lighting

Product benefits

- High lumen efficacy up to 127 lm/W leads to energy saving
- 140 LEDs per meter makes excellent uniform light output with stable performance
- Wide lumen output range from 500 lm-m to 2000 lm-m can meet different application requirements
- Shorter cuttable length (50 mm) enables more flexibility on design
- Long lifetime 50,000 hours (L70/B50) @45°C leads to saving in maintenance

Product features

- 24 V DC low voltage input
- 2700 K, 3000 K, 4000 K, 5000 K and 6500 K available
- Color rendering index $R_{a_i} > 90$
- Consistent lighting color < 3 SDCM
- IP20 for indoor application
- CB certificate available
- Flexible and easy to install with 3M back tape and accessories
- Compatible to work with LEDVANCE 24 V Driver and dimming controller

TECHNICAL DATA

Electrical data

Nominal wattage	85.00 W
Construction wattage	85.00 W
Nominal wattage per meter	17 W
Nominal voltage	24 V
Input voltage DC	24 V
Nominal current	708.000 mA

Photometrical data

Luminous efficacy	103 lm/W
Luminous flux per meter	1750 lm
Luminous flux per meter - Warm white	1750 lm/m
Color temperature	2700 K
Color rendering index Ra	> 90
Standard deviation of color matching	< 3 sdcm

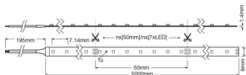
Light technical data

Rated beam angle (half peak value)	120.00 °
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LED MODULE INFORMATION

Number of LEDs per meter	140
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Dimensions & Weight



Length	5000.00 mm
Length – smallest unit	50 mm
Cable length	200.000
Width	8.00 mm
Height	1.40 mm
Product weight	100.00 g

Colors & materials

Body material	Polyvinylchlorid (PVC)
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Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
Maximum temperature at tc test point	85 °C

Lifespan

Nominal lamp life time	50000 h
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Certificates & Standards

Standards	CB
Protection class	III

Accessories Optional

Product image	Product name	EAN
		4099854005114
		4099854005138

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854006517	BAG 1	190 mm x 180 mm x 205 mm	105.00 g	7.01 dm ³
4099854006524	Shipping box 10	185 mm x 150 mm x 205 mm	1167.00 g	5.69 dm ³
4099854006531	Shipping box 40	400 mm x 326 mm x 235 mm	5321.00 g	30.64 dm ³

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.