LED STRIP 234 LEDS/M 1 M • 24 V • 12 W • 5000 K • IP20 • 2400 LM • RA80 • 10 MM



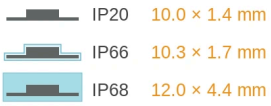
12 W/m
24 V DC
220 lm/W LM80 SDCM ≤ 3
3.846 cm cutting interval
3 oz 8 mm FPC
Ra>80; variants with Ra>95 available
100000 h L70 lifetime
30 m reel for IP20, 10 m for IP66 / IP68
5-year warranty

High-quality LED strip for professional use, featuring nine high-efficiency LEDs per module and achieving a luminous efficacy of up to 220 lm/W. The double-layer PCB with 3 oz copper traces reduces voltage drop and operating temperature. Fitted with 3M 300 LSE adhesive tape for secure installation. LEDs compliant with the LM-80 test ensure low lumen depreciation and colour consistency over time.

Specification

Parameter	Value
Symbol	SHF-234-50-24
EAN13	5901289757232
ETIM CLASS	LED strips and rope lights
Socket	wires
Model	LED strip
Mains or non-mains	NMLS
Dimmable	yes
Power [W]	12
Power for white light [W]	12
Colour of light	White
Number of LEDs per metre	234
Degree of protection	IP20
Suitable for use	
Cutting interval [cm]	3.846
Voltage [V]	24
Voltage type	DC
Colour temperature [K]	5000
Colour rendering index CRI	81
Minimum colour rendering index	82
Maximum colour rendering index	82
Colour rendering index R9	5
Energy efficiency class	B
Luminous flux [lm]	2400
Luminous flux - white light [lm]	2400
Beam angle [°]	120
Corresponding beam angle	Sphere 360°
Non-directional or directional light source	Non-directional light source NDLS
Survival factor	0.9
Lumen maintenance factor	0.96
Chromaticity coordinates - x	0.346
Chromaticity coordinates - y	0.359
With self-adhesive tape	yes
Equivalent power [W]	147
Energy consumption — white light [kW/1000h]	12
Min. number of switching cycles	50000
Rated lifetime L70/B50 at 25 °C [h]	100000
Colour-tuneable light source (CTLS)	no
Connected light source (CLS)	no
High-luminance light source (HLLS)	no
Anti-glare shield	no
Operating temperature [°C]	-20 ~ 45


38.46 mm
4.27 mm
+24V
GND


IP20 10.0 × 1.4 mm
IP66 10.3 × 1.7 mm
IP68 12.0 × 4.4 mm