LED STRIP 144 LEDS/M 1 M • 24 V • 5.5 W • 6000 K • IP20 • 1230 LM • RA80 • 8 MM

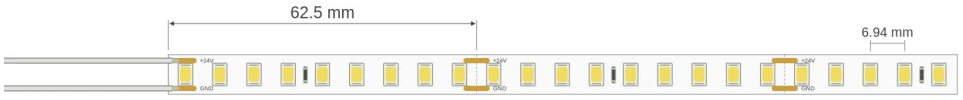


5.5 W/m
24 V DC
220 lm/W LM80 SDCM ≤ 3
6.25 cm cutting interval
3 oz 8 mm FPC
Ra>80; variants with Ra>95 available
100000 h L70 lifetime
30 m reel for IP20, 10 m for IP66 / IP68
5-year warranty

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-144-CW-24
EAN13	5901289755191
ETIM CLASS	LED strips and rope lights
Socket	wires
Model	LED strip
Mains or non-mains	NMLS
Dimmable	yes
Power [W]	5.5
Power for white light [W]	5.5
Colour of light	White
Number of LEDs per metre	144
Degree of protection	IP20
Suitable for use	
Cutting interval [cm]	6.25
Voltage [V]	24
Voltage type	DC
Colour temperature [K]	6000
Colour rendering index CRI	84
Minimum colour rendering index	82
Maximum colour rendering index	84
Colour rendering index R9	14
Energy efficiency class	B
Luminous flux [lm]	1230
Luminous flux - white light [lm]	1230
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	0.322
Chromaticity coordinates - y	0.345
With self-adhesive tape	yes
Equivalent power [W]	84
Energy consumption — white light [kW/1000h]	6
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


62.5 mm
6.94 mm


IP20 8.0 × 1.4 mm
IP66 8.3 × 1.7 mm
IP68 10.0 × 4.4 mm