LED-STRIP 144LED/M 1M • 24V • 5.5W • 2700K • IP20 • 1070LM • RA80 • 8MM



5.5W /m
24V DC
220 lm/W LM80 SDCM ≤ 3
6.25cm cutting length
3oz 8mm FPC
Ra>80, available over 95
100000h L70 lifespan
30m reel for IP20, 10m for IP66 / IP68
Warranty 5 years

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-HW-24
EAN13	5901289755221
ETIM CLASS	Light ribbon-/hose/-strip
Socket	wires
Model	Tape
Mains or non-mains	NMLS
Dimmable	yes
Power [W]	5.5
Power for white light [W]	5.5
Colour of light	White
Number of nodes per meter	144
Degree of protection	IP20
Suitable for use	
cutting length [cm]	6.25
Voltage [V]	24
Voltage type	DC
Colour temperature [K]	2700
Colour rendering index CRI	82
Minimal colour rendering index	82
Maximal colour rendering index	82
Colour rendering index R9	3
Energy efficiency class	C
Luminous flux [lm]	1070
Luminous flux - white light [lm]	1070
Beam angle [°]	120
Correspondence 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	0.464
Chromaticity coordinates - y	0.419
With Self-adhesive	yes
Equivalent power [W]	76
The energy consumption - white light [kW/1000h]	6
Min. number of switching cycles	50000
Rated life time 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
Colour consistency in McAdam ellipses	3