

LED-STRIP SOB 280 • 24V • 9+9W • 2700-6500K • IP68 • 850+890LM • RA90 • 10MM



9+9W/m (9W for 2700K + 9W for 6500K)
24V DC
Ra > 90
2.5 cm cutting section
2oz 10mm FPC
Roll length: 30m for IP20, 10m for IP66/IP68
5-year warranty

A professional next-generation LED-strip with adjustable colour temperature from 2700K to 6500K, designed for continuous operation. The SOB/SMD technology offers an enhanced alternative to traditional COB strips, combining the seamless and uniform light line characteristic of COB with the superior durability and efficiency of SMD LEDs. A special silicone layer further smooths the light and increases mechanical strength, eliminating the typical weaknesses of COB strips. The 280 dual-chip SMD LEDs deliver exceptional light uniformity, high

colour rendering and very low SDCM values, ensuring perfect colour consistency along the entire length. The strip features a wide beam angle of over 160°, a very short 2.5 cm cutting module, and strong 3M 300 LSE adhesive tape for secure installation. An excellent choice for premium installations where quality, aesthetics and reliability are essential.

Specification

Parameter	Value
Symbol	SOB-18-CCT-68-24
EAN13	5901289757768
ETIM CLASS	Light ribbon-/hose/-strip
Socket	wires
Model	Tape
Mains or non-mains	NMLS
Dimmable	yes
Power [W]	18
Power for white light [W]	18
Colour of light	White
Number of nodes per meter	280
Degree of protection	IP68
Suitable for use	
cutting length [cm]	2.5
Voltage [V]	24
Voltage type	DC
Colour temperature [K]	2700,6500
Colour rendering index CRI	94
Minimal colour rendering index	90
Maximal colour rendering index	95
Colour rendering index R9	80
Energy efficiency class	F
Luminous flux [lm]	1740
Luminous flux - white light [lm]	1740
Beam angle [°]	160
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	0.371
Chromaticity coordinates - y	0.363
With Self-adhesive	yes
Equivalent power [W]	112
The energy consumption - white light [kW/1000h]	18
Min. number of switching cycles	50000
Rated life time L70/B50 at 25 °C [h]	50000
Colour-tuneable light source (CTLS)	yes
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
Length [mm]	1000
Width [mm]	10.3
Height/depth [mm]	5
Weight [kg]	0.1

