

## TECHNICAL DATA

Operating voltage	24 V DC
Rated Power / m	13 W
Rated current / m	540 mA (± 10%)
LED Type	SMD 2835
LED spacing	6,25 mm
LED quantity / m	160
Cut size	50 mm / 8 LED
Light efficiency	up to 155 lm/W
Control	yes (PWM optional)
IP-Protection	IP20
Connection	2 Pads
Max. wire cross section	up to 0,75 qmm
Max. assembly length	max. 5 m
Bending radius	30 mm
Warranty	3 Years

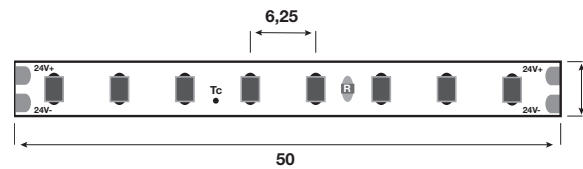


Further information on the control gear can be found in the operating instructions belonging to this product.

## TYPES



## DIMENSIONS (mm)



## HIGHLIGHTS

- cost effective retrofit system
- especially for refrigerated cabinets -30° to +10° (IP 65)
- Flexible integration with multiple accessories
- brilliant light with CRI 90
- Installation: via magnet or screw clip
- waterproof socket connectors (both sides)

## NORMS

EN62031:2015

EN62471:2009

EN62717:2017

2011/65/EU

2009/125/EU

## ARTICLE OVERVIEW

Item number	Colour temperature	Colour coordinates x / y	CRI	Colour consistency	Luminous flux / m @ ta 25°C	Beam angle
9009443	2.300 K	0,4873 / 0,4156	80	3 SDCM	1.700 lm	120°
9009444	2.700 K	0,4576 / 0,4100	80	3 SDCM	1.850 lm	120°
9009445	3.000 K	0,4406 / 0,4095	80	3 SDCM	1.950 lm	120°
9009446	4.000 K	0,3768 / 0,3677	80	3 SDCM	2.020 lm	120°
9009447	6.000 K	0,3226 / 0,3276	80	3 SDCM	1.950 lm	120°
9009448	2.700 K	0,4576 / 0,4100	95	3 SDCM	1.470 lm	120°
9009449	3.000 K	0,4406 / 0,4095	95	3 SDCM	1.550 lm	120°
9009450	4.000 K	0,3768 / 0,3677	95	3 SDCM	1.620 lm	120°

Item number	Lifetime @ ta 25°C	tc max	tp max	Ambient temperature	Storage temperature
9009443	L70 B50 60.000 h	75°C	70°C	-25°C to +40°C	-20°C to +65°C
9009444	L70 B50 60.000 h	75°C	70°C	-25°C to +40°C	-20°C to +65°C
9009445	L70 B50 60.000 h	75°C	70°C	-25°C to +40°C	-20°C to +65°C
9009446	L70 B50 60.000 h	75°C	70°C	-25°C to +40°C	-20°C to +65°C
9009447	L70 B50 60.000 h	75°C	70°C	-25°C to +40°C	-20°C to +65°C
9009448	L70 B50 60.000 h	75°C	70°C	-25°C to +40°C	-20°C to +65°C
9009449	L70 B50 60.000 h	75°C	70°C	-25°C to +40°C	-20°C to +65°C
9009450	L70 B50 60.000 h	75°C	70°C	-25°C to +40°C	-20°C to +65°C

## ORDER INFORMATION

Item number	Productcode	Packaging unit	Order unit	Weight gross / VE	Dimensionen / VE L x B x H
9009443	LFBHL-SW823-24V-8S63-20	1 roll = 5 m	1 m	0,140 kg	240 x 220 x 15,5 mm
9009444	LFBHL-SW827-24V-8S63-20	1 roll = 5 m	1 m	0,140 kg	240 x 220 x 15,5 mm
9009445	LFBHL-SW830-24V-8S63-20	1 roll = 5 m	1 m	0,140 kg	240 x 220 x 15,5 mm
9009446	LFBHL-SW840-24V-8S63-20	1 roll = 5 m	1 m	0,140 kg	240 x 220 x 15,5 mm
9009447	LFBHL-SW860-24V-8S63-20	1 roll = 5 m	1 m	0,140 kg	240 x 220 x 15,5 mm
9009448	LFBHL-SW927-24V-8S63-20	1 roll = 5 m	1 m	0,140 kg	240 x 220 x 15,5 mm
9009449	LFBHL-SW930-24V-8S63-20	1 roll = 5 m	1 m	0,140 kg	240 x 220 x 15,5 mm
9009450	LFBHL-SW940-24V-8S63-20	1 roll = 5 m	1 m	0,140 kg	240 x 220 x 15,5 mm

**IMPORTANT NOTES****NOTES TO THE LIFE TIME**

The max. Tc/Tp temperature plays a decisive role in the service life specifications of ledxon LED modules. Exceeding the permissible limits results in a significant reduction of the service life and can even lead to the destruction of the modules. The expected lifetime of >60,000 hours represents a purely statistical value. (L70B50 at Tp65°). For optimal operation of ledxon LED modules, we recommend mounting them exclusively on rigid and immovable surfaces.

The heat sink must provide sufficient heat dissipation so that the maximum permissible temperature at the Tc point is not exceeded.

The temperature measurement at the Tc point must be carried out according to the specifications of EN 60598-1.

<b>Mercury content</b>	0,0 mg
<b>Mercury-free</b>	yes
<b>Professional disposal according to WEEE</b>	yes

**NOTES TO ELECTRICAL AND PHOTOMETRIC DATA**

Chromaticity coordinates and tolerances according to CIE 1931 Measuring ambient temperature: ta=25°C

Measurement tolerance color coordinates (x/y) +/-0.005

The maximum permissible operating voltage must not be exceeded. This may lead to a reduction in lifetime or failure.

All Ledxon LED modules can be dimmed by PWM (pulse width modulation).

**NOTES TO THE INSTALLATION**

When installing the flexible LED modules, do not fall below the maximum permissible bending radius. Bending in the transverse direction will damage the PCB.

For optimal adhesive properties of the double-sided 3M adhesive tape, ledxon recommends mounting exclusively on dry, clean, grease-, oil- and silicone-free surfaces. Ledxon assumes no liability for the correct bonding of the LED modules. Standard ESD protection measures must be observed when installing ledxon LED modules. Flexible LED modules are delivered without lead. Electrification is done by soldering leads to the provided solder pads.

The maximum permissible cable cross-section must be observed. The soldering temperature of 270° C for max. 10 seconds must not be exceeded. LED modules are subject to photobiological risk group 1.

**DISCLAIMER**

Changes and errors excepted. Due to the continuous development of all products, technical and design changes can occur at any time. Make sure that you always use the latest version of the data sheet.

**WARRANTY NOTES**

Please refer to our warranty conditions on:

<https://www.ledxon.de/en/guarantee/>

**Further product data as well as current information can be found at [www.ledxon.com](http://www.ledxon.com)**