

TECHNICAL DATA

Operating voltage	24 V DC
Rated Power	1,59 W
Rated current	62,5 mA
LED Type	SMD 4014
LED spacing	10,7 mm
LED quantity	28
Light efficiency	up to 150 lm/W
Colour consistency	3 SDCM
Control	yes (PWM optional)
IP-Protection	IP00
Connection	2 Steckklemmen 1-polig Wago 2059
Max. wire cross section	up to 0,34 qmm
Max. assembly length	up to 4,5 m
Konfektionsanzahl	up to 15 Stück
Weight	0,01 kg
Warranty	5 Years



WEBSITE



* Control possible with pulse width modulation (PWM)

TYPES



MONTAGE

The installation is made with M2 screws and polyamide washers.

NORMS

EN 62031:2015

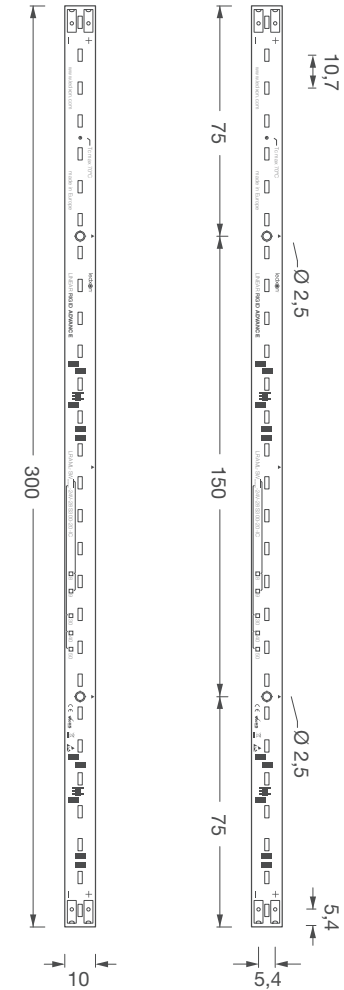
EN 62471:2009

2011/65/EU

2009/125/EU

in accordance with IEC 62717

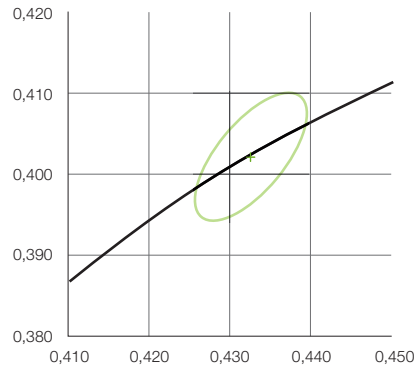
DIMENSIONS (mm)



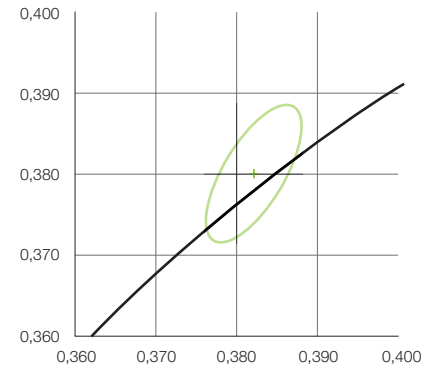
Product link

COLOR COORDINATES

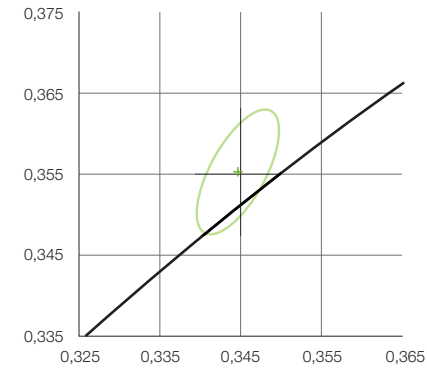
Color temperature 3.000 K



Color temperature 4.000 K



Color temperature 5.000 K



ARTICLE OVERVIEW

Item number	Photometrischer Code	Colour temperature	Light colour	Colour coordinates x / y	CRI	Luminous flux @ tp 25°C	Luminous flux @ tp 60°C	Beam angle
9009360	830/359	3.000 K	Warm white	0,4339 / 0,4033	80	181 lm	163 lm	120°
9009361	840/359	4.000 K	Neutral white	0,3818 / 0,3797	80	196 lm	176 lm	120°
9009362	850/359	5.000 K	Cool white	0,3446 / 0,3551	80	196 lm	176 lm	120°

Item number	Energy consumption	Lifetime @ tp 25°C	Lifetime @ tp 60°C	tc max	tp max	Ambient temperature	EEL	QR-Code
9009360	2 kWh / 1000 h	L80 B10 36.000 h	L80 B10 35.000 h	70°C	60°C	-20°C to +70°C 		
9009361	2 kWh / 1000 h	L80 B10 36.000 h	L80 B10 35.000 h	70°C	60°C	-20°C to +70°C 		
9009362	2 kWh / 1000 h	L80 B10 36.000 h	L80 B10 35.000 h	70°C	60°C	-20°C to +70°C 		

ORDER DATA

Item number	Productcode	Colour temperature	CRI
9009360	LRALL-SW830-24V-28S103-20-IC	3.000 K	80
9009361	LRALL-SW840-24V-28S103-20-IC	4.000 K	80
9009362	LRALL-SW850-24V-28S103-20-IC	5.000 K	80

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.

Mercury content	0,0 mg
Mercury-free	yes
Professional disposal according to WEEE	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