LFBML-MCRGB-6S104

PRODUCT DATA SHEET

TECHNICAL DATA

Operating voltage	24 V DC
Rated Power / m	24 W / 7,5 W each colour
Rated current / m	310 mA / each colour (± 10%)
LED Type	SMD 5050
LED spacing	10,4 mm
LED quantity / m	96
Cut size	62,5 mm / 6 LED
Control	yes (PWM optional)
IP-Protection	IP20
Connection	4 Pads
Max. wire cross section	up to 0,5 qmm
Max. assembly length	max. 5 m
Bending radius	30 mm
Warranty	3 Years

IP20 | LED module | CE

WEBSITE

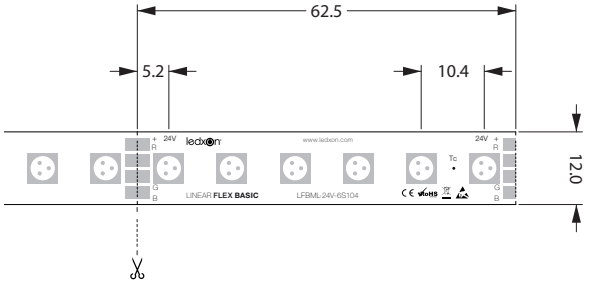
Control gear and accessories

Further information on the control gear can be found in the installation instructions accompanying the product.

Further information on the accessories can be found in the accessories data sheet belonging to the product.

TYPES

DIMENSIONS (mm)



NORMS

EN62031:2015
EN62471:2009
EN62717:2017
2011/65/EU
2009/125/EU

PRODUCT FEATURES

Voltage based flexible LED module
Suitable for applications with medium brightness requirements
Pulse width modulation (PWM) control is optional
Two-layer foil circuit board with optimized thermomanagement
Mounting by self-adhesive 3M tape

Product link

ARTICLE OVERVIEW

Item number	Colour temperature	Wave length	Luminous flux / m @ ta 25°C	Beam angle
9009280	Rot Grün Blau	622 nm 523 nm 461 nm	230 lm 560 lm 135 lm	120° 120° 120°

Item number	Lifetime @ ta 25°C	tc max	tp max	Ambient temperature	Storage temperature
9009280	L70 B50 60.000 h	70°C	65°C	-25°C to +50°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
9009280	LFBML-MCRGB-24V-6S104-20	1 roll = 5 m	1 m	0,164 kg	240 x 220 x 15,5 mm

IMPORTANT NOTES

All technical parameters apply to the entire product. Due to the complex manufacturing process of light-emitting diodes, the indicated typical LED parameters are purely statistical variables and may vary.

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

NOTES TO THE LIFE TIME

Decisive factors for the life time are the ambient temperature and the operating temperature (Tc/Tp). Exceeding the permissible limits results and the permitted operating voltage in a substantial reduction of the life time and can even lead to the destruction of the products. The specified life time represents a statistical quantity.

The heat sink must provide sufficient heat dissipation so that the maximum permissible operating temperature is not exceeded. The measurement of the operating temperature must be in accordance with EN 60598-1.

NOTES TO ELECTRICAL AND PHOTOMETRIC DATA

Colour coordinates according to CIE 1931
Rated ambient temperature: ta = 25°
Measuring tolerance colour coordinates (x/y) +/- 0,005
Tolerance range of electrical / photometric data: +/- 10%

NOTES TO THE INSTALLATION

While installation the relevant specifications and standards must be observed. For optimum operation we recommend installation only on rigid and stationary surfaces. The electrical connection must be made in a voltage-free state.

The correct polarity for the connection lines must be observed upon start-up. Incorrect polarity may result in the destruction. The products are electrified by connecting leads to the provided plug terminal connection. The maximum permitted cable cross-section must be observed in this process. The products are delivered without cabling. When installing these modules, standard ESD safety precautions must be complied with.

High mechanical load must be avoided during installation. Powerful compression forces, in particular on the light area, result in damage to the components as well as the conducting paths. For fixing we recommend using polyamide screws.

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