

MR16 Pro COB

Product data sheet

Technical data

Nominal / rated operating voltage	12 V AC/DC
Operating frequency	50 Hz / 0 Hz
Power	4 - 5,5 W
Lamp shape	MR16
Socket	GU5.3
Switching Cycles	50.000
Nominal / rated lifetime	25.000 h @ 25°C
Lumen maintenance at the end of nominal lifetime	70%
Lamp warm up time to 60% luminous flux	< 0,5 s
Lamp start time	< 0,5 s
Power factor	> 0,5
Colour rendering index	80
Colour consistency	6 SDCM
Ambient temperature	-20°C to +40°C
Weight	0,05 kg

IP20

CE



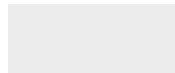
CREE

Output equivalent: 4 W = 20 W / 5,5 W = 35 W

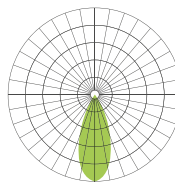
Types



Silver

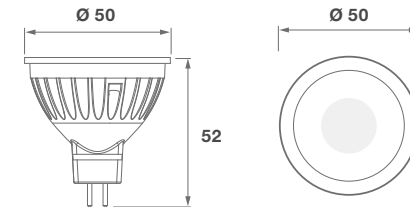


40°

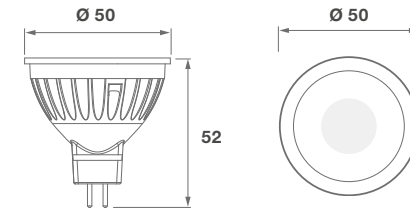


Dimensions

4 W



5,5 W



Dimensions in mm

MR16 Pro COB

Product data sheet

Standard

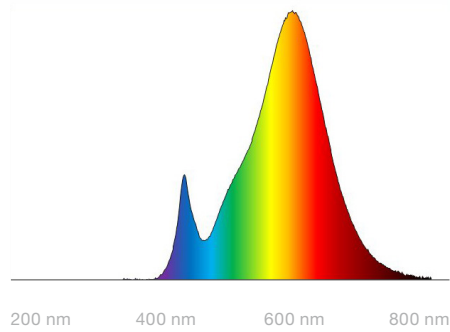
Article number	Nominal / rated power	Colour temperature	Light colour	Nominal / rated useful luminous flux	Nominal / rated luminous flux	rated peak intensity	Nominal / rated beam angle	Weighted energy consumption	Energy efficiency class	Control
9000402	4 W / 4,0 W	2700 K	Warm white	250 lm	300 lm	443 cd	40°	4 kWh / 1000 h	A	No
9000403	4 W / 4,0 W	4000 K	Neutral white	260 lm	310 lm	440 cd	40°	4 kWh / 1000 h	A	No
9000406	5,5 W / 5,5 W	2700 K	Warm white	300 lm	340 lm	493 cd	40°	6 kWh / 1000 h	A	No
9000407	5,5 W / 5,5 W	4000 K	Neutral white	310 lm	350 lm	505 cd	40°	6 kWh / 1000 h	A	No

MR16 Pro COB

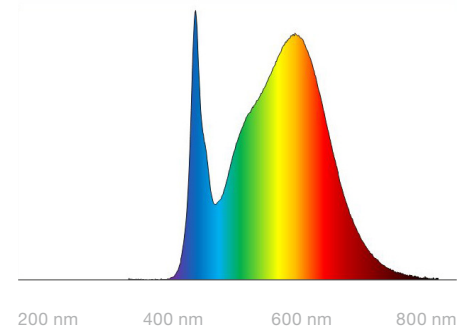
Product data sheet

Spectral radiation distribution

Colour temperature 2.700 K



Colour temperature 4.000 K



MR16 Pro COB

Product data sheet

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 (T_c). Exceeding the permissible limits results 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.

Notes to electrical and photometric data

Colour coordinates according to CIE 1931

Rated ambient temperature: $t_a = 25^\circ$

Measuring tolerance colour coordinates (x/y) +/- 0,005

Tolerance range of electrical / photometric data: +/- 10%

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.

Further product data as well as current information can be found at www.ledxon.com