



CoreLine Malaga LED

BRP102 LED55/740 II DM SDM10

CoreLine Malaga LED large - LED module 5500 lm - Power supply unit - Safety class II - Distribution medium - Universal for diameter 42 to 60 mm adjustable

The Philips CoreLine Malaga LED family consists of two sizes for urban street lighting. Both use a Philips LED engine as a light source and a Philips Xitanium driver - a combination that results in energy savings of 50%. CoreLine Malaga LED has been designed to be as efficient as possible. It offers the same performance as the SON-T 50, 70, 100 and 150W luminaires it replaces, providing the right amount of light in the right place. Furthermore, as the LED light engine in CoreLine Malaga LED will last for the lifetime of the luminaire, it will return your investment simply by saving on the multiple lamp replacements required with SON-T. With its extended gland feature, the CoreLine Malaga LED luminaire is easy to install with no need to open the luminaire to connect the power cable. At the same time, the flat glass cover can be removed to allow access to the driver for maintenance, if required. Special versions of Malaga lighting are available with extra options. However, these specials are manufactured to order only, and have a longer delivery time. The options include: Wide beam (DW) optic, additional surge protection device (10kV), Marine Salt Protection (MSP) paint finish, Micro Mini Pro photocell 35 Lux, a built-in (glass) 6A fuse, and a 3-meter external flying lead cable (H07RN-F). Not all these options can always be combined with each other. For more advice, please consult your Philips partner.

Product data

General Information			
Lamp family code	LED55 [LED module 5500 lm]	Number of gear units	1 unit
Light source color	740 neutral white	Driver/power unit/transformer	Power supply unit
Light source replaceable	No	Driver included	Yes
		Optical cover/lens type	Flat glass

CoreLine Malaga LED

Luminaire light beam spread	-
Control interface	-
Connection	Push-in connector and pull relief
Cable	-
Protection class IEC	Safety class II
Flammability mark	-
CE mark	CE mark
ENEC mark	ENEC mark
Warranty period	5 years
Optic type outdoor	Distribution medium
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.
Constant light output	No
Number of products on MCB of 16 A type B	11
EU RoHS compliant	Yes
Light source engine type	LED
Product family code	BRP102 [CoreLine Malaga LED large]
Service tag	Yes
Light Technical	
Upward light output ratio	0
Standard tilt angle posttop	-
Standard tilt angle side entry	0°
Operating and Electrical	
Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Initial CLO power consumption	N/A W
Average CLO power consumption	N/A W
End CLO power consumption	N/A W
Inrush current	46 A
Inrush time	440 ms
Power Factor (Min)	0.98
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Housing Material	Aluminum die cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Tempered glass
Fixation material	Aluminum
Mounting device	Universal for diameter 42 to 60 mm adjustable

Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	493 mm
Overall width	217 mm
Overall height	79 mm
Overall diameter	520 mm
Effective projected area	0.22526 m²
Color	Gray
Dimensions (Height x Width x Depth)	79 x 217 x 493 mm (3.1 x 8.5 x 19.4 in)

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Luminaire surge protection level until 10 kV differential mode and 10 kV common mode

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	4600 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	118 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	70
Initial chromaticity	(0.41, 0.39) SDCM ≤5
Initial input power	39 W
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

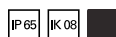
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L70

Application Conditions

Ambient temperature range	-40 to +35 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

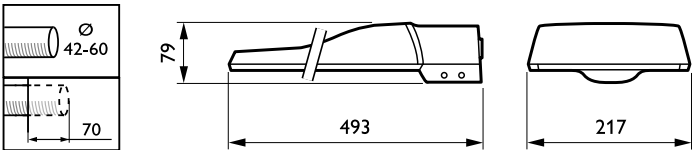
Product Data

Full product code	871869980584500
Order product name	BRP102 LED55/740 II DM SDM10
EAN/UPC - Product	8718699805845
Order code	910770207497
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910770207497
Net Weight (Piece)	3.300 kg



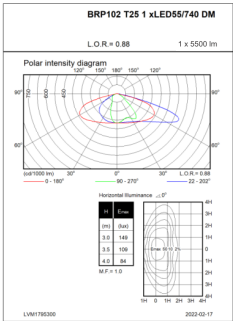
CoreLine Malaga LED

Dimensional drawing

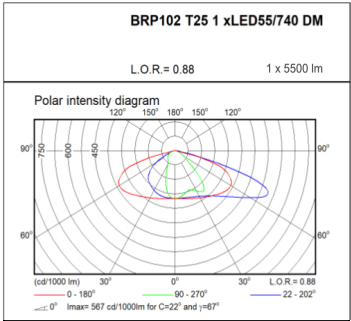


BRP102 LED55/740 II DM SDM10

Photometric data



OFPL1_BRP102T251xLED55740DM



OFPC1_BRP102T251xLED55740DM

