

CoreLine Malaga LED

BRP102 LED110/740 I DM

CoreLine Malaga LED, Road & street light, 83.0 W, 9006 lm, 4000 K, CRI70, Distribution medium, Safety class I, IP65, SRG4-4

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	LED110 [LED module 11000 lm]
Light source replaceable	No
Number of gear units	1 unit

Driver included	Yes
Light source engine type	LED
Service tag	Yes
Lighting Technology	LED

CoreLine Malaga LED

Value ladder	Performance
Warranty period	5 years
Sustainability rating	-

Light Technical

Upward light output ratio	0
Luminous Flux	9,006 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	109 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Luminaire light beam spread	-
Optic type outdoor	Distribution medium
Effective projected area	0.22526 m²

Operating and Electrical

Input Voltage	220 to 240 V
Line 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 Consumption	83.0 W
Power Factor (Fraction)	0.97
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A type B	11
Protection class IEC	Safety class I
Surge Protection (Common/Differential)	Luminaire surge protection level until 4 kV differential mode and 4 kV common mode

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No
Maximum dim level	Not applicable

Mechanical and Housing

Housing Material	Aluminum die cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Tempered glass
Fixation material	Aluminum
Housing Color	Gray
Mounting device	Universal for diameter 42 to 60 mm adjustable
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	493 mm
Overall width	217 mm
Overall height	79 mm
Dimensions (Height x Width x Depth)	79 x 217 x 493 mm
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Standard tilt angle posttop	-
Standard tilt angle side entry	0°
Optical cover type	Flat glass
Net Weight (Piece)	3.300 kg

Approval and Application

Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
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.
Ambient temperature range	-40 to +35 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.41, 0.39) SDCM ≤5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 50000 h	L98
Lumen maintenance at median useful life* 100000 h	L70

Product Data

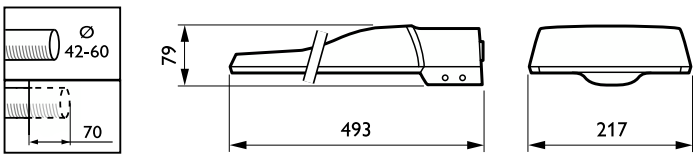
Order product name	BRP102 LED110/740 I DM
Full product name	BRP102 LED110/740 I DM
Full product code	871869699821200
Order code	910925865344
Material Nr. (12NC)	910925865344
Numerator - Quantity Per Pack	1

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EAN/UPC - Product/Case	8718696998212
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696998212

Product family code	BRP102 [CoreLine Malaga LED large]

Dimensional drawing



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