



# CoreLine Malaga LED

## BRP102 LED75/740 II DM

CoreLine Malaga LED large - LED module 7500 lm - Power supply unit - Safety class II - Distribution medium - Universal for diameter 42 to 60 mm adjustable

The CoreLine Malaga LED family is designed for general Road, Street and Residential application. The family consists of two sizes and uses a Philips standardized design LED engine as light source and a Philips Xitanium fixed output outdoor driver. Quality you can rely on. CoreLine Malaga LED has been designed as efficient as possible, performing the same task as the SON-T 50, 70, 100 and 150W luminaires it replaces; provide the right amount of light in the right place. The medium beam (DM) optic delivers an efficient distribution onto the road. The combination results in interesting energy savings which reduce operating costs significantly. 50% energy reduction is realistically possible. At the same time, the investment in a CoreLine Malaga LED luminaire is in many cases on the same level as an old SON-T luminaire including the first lamp. As the LED light engine in CoreLine Malaga LED will last the life time of the luminaire, just by saving the multiple lamp replacements needed with SON-T will already return the investment in it. Ease of installation is obtained through the extended gland feature; the luminaire does not need to be opened 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. Adding up the functions and features truly make a choice for CoreLine Malaga LED an easy decision. As a member of the CoreLine family, Malaga LED is easy and quick available thru Philips Partners near you. Simply efficient.;

Specials; In addition to the standard version of CoreLine Malaga LED as described above, also versions with several options are available. As these are specials, and manufactured to order received only, these specials do have a longer delivery time. Options available are; Wide beam (DW) optic; Added surge protection device 10kV (SRG10); Marine Salt Protection (MSP) paint finish, e.g. for coastal areas; Micro Mini Pro photocell 35 Lux; Build in (glass) fuse 6A; 3 meters external flying lead cable (H07RN-F); Not all these options can always be combined with each other. Please consult your Philips partner for specific details in case of interest or doubt.

# CoreLine Malaga LED

## Product data

General Information	
Lamp family code	LED75 [ LED module 7500 lm]
Light source color	740 neutral white
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	Power supply unit
Driver included	Yes
Optical cover/lens type	Flat glass
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]
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)	0.95

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 m <sup>2</sup>
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 4 kV differential mode and 4 kV common mode

## Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	6133 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	109 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	70
Initial chromaticity	(0.41, 0.39) SDCM ≤5
Initial input power	56.5 W
Power consumption tolerance	+/-11%

## 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

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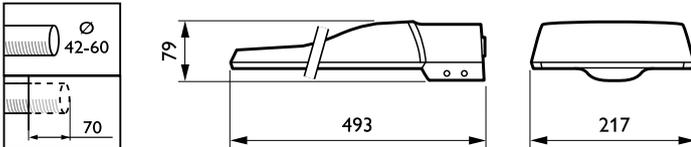
## Product Data

Full product code	871869699820500
Order product name	BRP102 LED75/740 II DM
EAN/UPC - Product	8718696998205
Order code	910925865343
Numerator - Quantity Per Pack	1

Numerator - Packs per outer box	1
Material Nr. (12NC)	910925865343
Net Weight (Piece)	3.300 kg



## Dimensional drawing



CoreLine Malaga LED BRP101/102

