



CoreLine Malaga LED

BRP102 LED110/740 I DM

CoreLine Malaga LED large - LED module 11000 lm - Power supply unit - Safety class I - Distribution medium - Universal for diameter 42-60 mm adjustable

The CoreLine Malaga LED family consists of two sizes and uses a Philips standardised design LED engine as the light source and a Philips Xitanium fixed output outdoor driver. Quality you can rely on. 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 for the lifetime of the luminaire, just by saving on the multiple lamp replacements needed with SON-T, your investment will be returned. Ease of installation is assured 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 the choice for CoreLine Malaga LED an easy decision. As a member of the CoreLine family, Malaga LED is easy to install and available from Philips Partners near you. The CoreLine Malaga LED has been designed as efficiently as possible, with the same performance as the SON-T 50, 70, 100 and 150 W 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. Special versions with several options are available. As these are specials, and manufactured to order only, they have a longer delivery time. Options available are: Wide beam (DW) optic; Added surge protection device 10 kV (SRG10); Marine Salt Protection (MSP) paint finish; Micro Mini Pro photocell 35 Lux; Built-in (glass) fuse 6A; 3-metre external flying lead cable (H07RN-F); Not all these options are combinable. Please consult your Philips partner for details in case of interest or doubt.

Product data

CoreLine Malaga LED

General Information	
Lamp family code	LED110 [LED module 11000 lm]
Light source colour	740 neutral white
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	PSU [Power supply unit]
Driver included	Yes
Optical cover/lens type	FG [Flat glass]
Luminaire light beam spread	-
Control interface	-
Connection	Push-in connector and pull relief
Cable	-
Protection class IEC	Safety class I
Flammability mark	NO [-]
CE mark	CE mark
ENEC mark	ENEC mark
Warranty period	5 years
Optic type outdoor	Distribution medium
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value.
Constant light output	No
Number of products on MCB (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 post-top	-
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.)	0.97

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Housing material	Aluminium die-cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Tempered glass
Fixation material	Aluminium
Mounting device	42/60A [Universal for diameter 42-60 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 ²
Colour	Grey
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 up to 4 kV differential mode and 4 kV common mode

Initial Performance (IEC Compliant)	
Initial luminous flux (system flux)	9006 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	111 lm/W
Init. Corr. Colour Temperature	4000 K
Init. Colour rendering index	70
Initial chromaticity	(0.41, 0.39) SDCM ≤5
Initial input power	83 W
Power consumption tolerance	+/-11%
Init. colour rendering index tolerance	+/-2

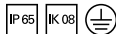
Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 100,000 h	L70

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

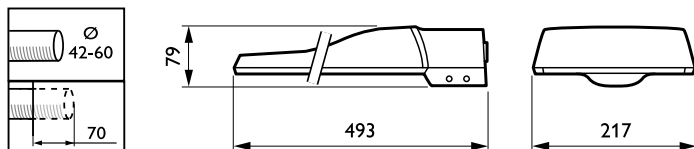
Product Data	
Full product code	871869699821200
Order product name	BRP102 LED110/740 I DM
EAN/UPC – product	8718696998212
Order code	99821200
SAP numerator – quantity per pack	1

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Numerator – packs per outer box	1
SAP material	910925865344
SAP net weight (piece)	3.300 kg



Dimensional drawing



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