# **PHILIPS** Lighting



# **CoreLine Malaga LED**

## BRP102 LED110/740 I DM

BRP102 | CoreLine Malaga LED large - LED110 | LED module 11000 lm - Power supply unit - Safety class I - 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		Driver included	Yes
Lamp family code	LED110 [LED module 11000 lm]	Remarks	*-Per Lighting Europe guidance paper
Light source replaceable	No		"Evaluating performance of LED based
Number of gear units	1 unit		luminaires - January 2018": statistically

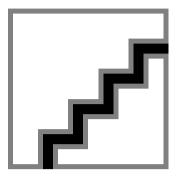
### CoreLine Malaga LED

	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.	
Light source engine type	LED	
Product family code	BRP102 [CoreLine Malaga LED large]	
Lighting Technology	LED	
Light Technical		
Upward light output ratio	0	
Luminous Flux	9,006 lumen	
Standard tilt angle posttop	_	
Standard tilt angle side entry	0°	
Correlated Color Temperature (Nom)	4000 K	
Luminous Efficacy (rated) (Nom)	111 lm/W	
Color rendering index (CRI)	70	
Light source color	740 neutral white	
Optical cover/lens type	Flat glass	
Luminaire light beam spread	-	
Optic type outdoor	Distribution medium	
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Operating and Electrical		
Input Voltage	220 to 240 V	
Line Frequency	50 to 60 Hz	
Input Frequency	50 to 60 Hz	
Initial CLO power consumption	N/A W	
Average CLO power consumption	N/A W	
Power Consumption	83 W	
End CLO power consumption	N/A W	
Inrush current	46 A	
Inrush time	440 ms	
Power Factor (Fraction)	0.97	
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Connection	Push-in connector and pull relief	
Cable		
Number of products on MCB of 16 A type	11	
В		
Temperature		
Temperature	-40 to +35 °C	
Ambient temperature range	-40 10 TOD C	
Controls and Dimming		
Dimmable	No	
Driver/power unit/transformer	Power supply unit (ON/OFF)	
Control interface	- 	
Constant light output	No	
Mechanical and Housing		
Housing Material	Aluminum die cast	
Reflector material	-	
Optic material	Polymethyl methacrylate	
Optical cover/lens material	Tempered glass	
Fixation material	Aluminum	

Housing Color	Gray	
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	
Dimensions (Height x Width x Depth)	79 x 217 x 493 mm	
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	
Sustainability rating	-	
Protection class IEC	Safety class I	
Flammability mark	-	
CE mark	Yes	
ENEC mark	ENEC mark	
Warranty period	5 years	
Photobiological risk	Photobiological risk group 1@200mm to	
	EN62778	
EU RoHS compliant	Yes	
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	
Over Time Performance (IEC Complia	unt)	
Control gear failure rate at median useful		
life 100000 h		
Lumen maintenance at median useful life*	L70	
100000 h		
Application Conditions		
Performance ambient temperature Tq	25 ℃	
Maximum dim level	Not applicable	
Product Data		
Product Data Full product code	871869699821200	
	871869699821200 BRP102 LED110/740 I DM	
Full product code		
Full product code Order product name	BRP102 LED110/740 I DM	
Full product code Order product name Order code	BRP102 LED110/740 I DM 910925865344	
Full product code Order product name Order code Numerator - Quantity Per Pack	BRP102 LED110/740 I DM 910925865344 1	
Full product code Order product name Order code Numerator - Quantity Per Pack Numerator - Packs per outer box	BRP102 LED110/740 I DM 910925865344 1 1	

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#### Dimensional drawing





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