



# **CoreLine Malaga LED**

## BRP102 LED75/740 II DM

BRP102 | CoreLine Malaga LED large - LED75 | LED module 7500 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	LED75 [LED module 7500 lm]			
Light source replaceable	No			
Number of gear units	1 unit			

Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper
	"Evaluating performance of LED based
	luminaires - January 2018": statistically there

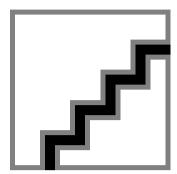
Datasheet, 2023, May 16 data subject to change

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	is no relevant difference in lumen	Housing Color	Gray
	maintenance between B50 and for example	Mounting device	Universal for diameter 42 to 60 mm
	B10. Therefore, the median useful life (B50)		adjustable
	value also represents the B10 value.	Optical cover/lens shape	Flat
Light source engine type	LED	Optical cover/lens finish	Clear
Product family code	BRP102 [CoreLine Malaga LED large]	Overall length	493 mm
Lighting Technology	LED	Overall width	217 mm
		Overall height	79 mm
Light Technical		Overall diameter	520 mm
Upward light output ratio	0	Effective projected area	0.22526 m²
Luminous Flux	6,133 lumen	Dimensions (Height x Width x Depth)	79 x 217 x 493 mm
Standard tilt angle posttop			
Standard tilt angle side entry	0°	Approval and Application	
Correlated Color Temperature (Nom)	4000 K	Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Luminous Efficacy (rated) (Nom)	109 lm/W	Mech. impact protection code	IK08 [5 J vandal-protected]
Color rendering index (CRI)	70	Surge Protection (Common/Differential)	Luminaire surge protection level until 4 kV
Light source color	740 neutral white		differential mode and 4 kV common mode
Optical cover/lens type	Flat glass	Sustainability rating	-
Luminaire light beam spread	-	Protection class IEC	Safety class II
Optic type outdoor	Distribution medium	Flammability mark	-
		CE mark	Yes
Operating and Electrical		ENEC mark	ENEC mark
Input Voltage	220 to 240 V	Warranty period	5 years
Line Frequency	50 to 60 Hz	Photobiological risk	Photobiological risk group 1 @200mm to
Input Frequency	50 to 60 Hz		EN62778
Initial CLO power consumption	N/A W	EU RoHS compliant	Yes
Average CLO power consumption	N/A W		
Power Consumption	56.5 W	Initial Performance (IEC Compliant)	
End CLO power consumption	N/A W	Luminous flux tolerance	+/-7%
Inrush current	46 A	Initial chromaticity	(0.41, 0.39) SDCM ≤5
Inrush time	440 ms	Power consumption tolerance	+/-10%
Power Factor (Fraction)	0.95	Init. Color Rendering Index Tolerance	+/-2
Connection	Push-in connector and pull relief		
Cable		Over Time Performance (IEC Compli	ant)
Number of products on MCB of 16 A type	11	Control gear failure rate at median useful	10 %
В		life 100000 h	
		Lumen maintenance at median useful life*	L70
Temperature		100000 h	
Ambient temperature range	-40 to +35 ℃		
		Application Conditions	
Controls and Dimming		Performance ambient temperature Tq	25 ℃
Dimmable	No	Maximum dim level	Not applicable
Driver/power unit/transformer	Power supply unit (ON/OFF)		
Control interface		Product Data	
Constant light output	No	Full product code	871869699820500
		Order product name	BRP102 LED75/740 II DM
Mechanical and Housing		Order code	910925865343
Housing Material	Aluminum die cast	Numerator - Quantity Per Pack	1
Reflector material	-	Numerator - Packs per outer box	1
Optic material	Polymethyl methacrylate	Material number (12NC)	910925865343
Optical cover/lens material	Tempered glass	Full product name	BRP102 LED75/740 II DM
Fixation material	Aluminum	EAN/UPC - Case	8718696998205



### Dimensional drawing





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