# **PHILIPS** Lighting



# **CoreLine Malaga LED**

# BRP102 LED58/740 II DM

CoreLine Malaga LED, Road & street light, 37 W, 5162 lm, 4000 K, CRI70, Distribution medium, Safety class II, 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	LED58 [LED module 5800 lm]
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes

Value ladder	Performance	
Warranty period	5 years	
Sustainability rating	-	
Light Technical		
Upward light output ratio	0	

## CoreLine Malaga LED

Luminous Flux	5,162 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	140 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	0.0225 m²
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	N/A W W W
Average CLO power consumption	N/A W W
End CLO power consumption	N/A W W W
Inrush current	28 A
Inrush time	205 ms
Power Consumption	37 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 II
Surge Protection (Common/Differential)	Luminaire surge protection level until 4
	kV differential mode and 4 kV common
	mode
Feed-through wiring	-
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No
Maximum dim level	Not applicable
Photocell	-
Mechanical and Housing	
Housing Material	Aluminum die cast

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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	adjustable Flat
Optical cover shape Optical cover finish	
<u> </u>	Flat
Optical cover finish	Flat Clear
Optical cover finish Reflector Finish	Flat Clear
Optical cover finish Reflector Finish Overall length	Flat Clear - 493 mm

Dimensions (Height x Width x Depth)	79 x 217 x 493 mm
Optical finish	Clear
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

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

Initial Performance	IEC Com	oliant)

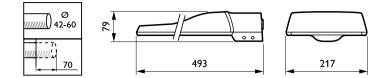
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.41, 0.39) SDCM ≤5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant	)
Control gear failure rate at median useful life	5 %
50000 h	
Control gear failure rate at median useful life	10 %
100000 h	
Lumen maintenance (EN-IEC 62722-2-1) at	L98
median useful life* 50000 h	
Lumen maintenance (EN-IEC 62722-2-1) at	L70
median useful life* 100000 h	

Product Data	
Order product name	BRP102 LED58/740 II DM
Full product name	BRP102 LED58/740 II DM
Full product code	872016947189400
Order code	910925869860
Material Nr. (12NC)	910925869860
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169471894
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169471894
Product family code	BRP102 [CoreLine Malaga LED large]

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#### Dimensional drawing





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