CoreLine Malaga LED

BRP102 LED55/740 II DM

CoreLine Malaga LED large – LED module 5500 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		Number of gear units	1 unit
Lamp family code	LED55 [LED module 5500 lm]	Driver/power unit/transformer	Power supply unit
Light source color	740 neutral white	Driver included	Yes
Light source replaceable	No	Optical cover/lens type	Flat glass

CoreLine Malaga LED

Luminaire light beam spread	–	Optical cover/lens finish	Clear
Control interface	–	Overall length	493 mm
Connection	Push-in connector and pull relief	Overall width	217 mm
Cable	–	Overall height	79 mm
Protection class IEC	Safety class II	Overall diameter	520 mm
Flammability mark	–	Effective projected area	0.22526 m²
CE mark	Yes	Color	Gray
ENEC mark	ENEC mark	Dimensions (Height x Width x Depth)	79 x 217 x 493 mm
Warranty period	5 years		
Optic type outdoor	Distribution medium		

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	–

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
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
EU RoHS compliant	Yes
Light source engine type	LED
Product family code	BRP102 [CoreLine Malaga LED large]

Initial performance (IEC compliant)

Initial luminous flux (system flux)	4600 lm
Luminous flux tolerance	+/–7%
Initial LED luminaire efficacy	118 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	70
Initial chromaticity	(0.41, 0.39) SDCM ≤5
Initial input power	39 W
Power consumption tolerance	+/–10%
Init. Color Rendering Index Tolerance	+/–2

Light technical

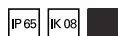|	
Upward light output ratio	0
Standard tilt angle posttop	–
Standard tilt angle side entry	0°

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

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)	0.98

Application conditions

Ambient temperature range	–40 to +35 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

Controls and dimming

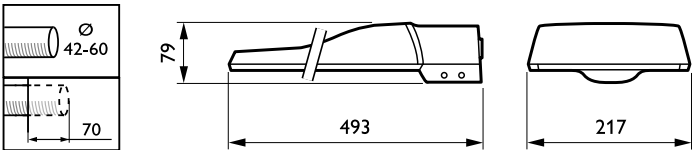|	
Dimmable	No

Product data

Full product code	871869699818200
Order product name	BRP102 LED55/740 II DM
EAN/UPC – Product	8718696998182
Order code	910925865341
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	1
Material Nr. (12NC)	910925865341
Net Weight (Piece)	3.300 kg

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

IP 65   IK 08   ⬛

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Dimensional drawing

BRP102 LED55/740 II DM

www.lighting.philips.com

2023, February 9 – data subject to change