CoreLine Malaga LED

BRP101 LED44/740 II DM

CoreLine Malaga LED, Street light, 25 W, 4417 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		Light source engine type	LED
Lamp family code	LED44 [LED module 4400 lm]	Product family code	BRP101 [CoreLine Malaga LED small]
Number of gear units	1 unit	Value ladder	Performance
Driver included	Yes		
Feed-through wiring	-	**Light Technical**	
Photocell	-	Upward light output ratio	0

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Luminous Flux	4,417 lm
Standard tilt angle posttop	–
Standard tilt angle side entry	0°
Luminous Efficacy (rated) (Nom)	109 lm/W
Correlated Color Temperature (Nom)	4000 K
Color rendering index (CRI)	70
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	–
Optic type outdoor	Distribution medium

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	7.1 A
Inrush time	61.2 ms
Power Consumption	25 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

Temperature

Ambient temperature range	–40 to +35 °C

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum die cast
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	Flat
Optical cover finish	Clear
Reflector Finish	–
Overall length	493 mm
Overall width	217 mm
Overall height	78 mm
Effective projected area	0.0225 m²
Dimensions (Height x Width x Depth)	78 x 217 x 493 mm
Optical finish	Clear

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 II
Flammability mark	–
CE mark	Yes
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 Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 50000 h	L98
Lumen maintenance at median useful life* 100000 h	L70

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

Product Data

Order product name	BRP101 LED44/740 II DM
Full product name	BRP101 LED44/740 II DM
Full product code	872016947185600
Order code	910925869856
Material Nr. (12NC)	910925869856
Numerator – Quantity Per Pack	1
Net Weight (Piece)	2.200 kg
EAN/UPC – Product/Case	8720169471856
Numerator – Packs per outer box	1
EAN/UPC – Case	8720169471856

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Dimensional drawing

Ø 42-60

78

333

197

70

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2024, September 10 – data subject to change