CoreLine Malaga LED

BRP101 LED44/740 II DM

CoreLine Malaga LED, Road & street light, 25 W, 3784 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		Value ladder	Performance
Lamp family code	LED44 [LED module 4400 lm]	Serviceability class	Class B, luminaire is equipped with some serviceable parts (when applicable): driver, control units, surge protection device, front cover and mechanical parts
Number of gear units	1 unit		
Driver included	Yes		
Light source engine type	LED		
Service tag	Yes	Warranty period	5 years

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Sustainability rating	–

Light Technical

Upward light output ratio	0
Luminous Flux	3,784 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	135 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	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
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
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	333 mm

Overall width	217 mm
Overall height	78 mm
Dimensions (Height x Width x Depth)	78 x 217 x 333 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)	2.200 kg

Approval and Application

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

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 (EN-IEC 62722-2-1) at median useful life* 50000 h	L98
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L70

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
EAN/UPC – Product/Case	8720169471856
Numerator – Packs per outer box	1
EAN/UPC – Case	8720169471856
Product family code	BRP101 [CoreLine Malaga LED small]

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Dimensional drawing

Ø 42-60

78

333

197

70

www.lighting.philips.com

2025, May 21 – data subject to change