



CoreLine Malaga LED

BRP102 LED58/740 I DM

CoreLine Malaga LED, Road & street light, 37 W, 5162 lm, 4000 K, CRI70, Distribution medium, Safety class I, 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 | LED58 [LED module 5800 lm] | Warranty period | | 5 years | |
| Number of gear units | 1 unit | Sustainability rating | | - | |
| Driver included | Yes | | | | |
| Light source engine type | LED | Light Technical | | | |
| Service tag | Yes | Upward light output ratio | | 0 | |

CoreLine Malaga LED

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|------------------------------------|---------------------|
| 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

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|--|--|
| 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 I |
| Surge Protection (Common/Differential) | Luminaire surge protection level until 4 kV differential mode and 4 kV common mode |
| Feed-through wiring | - |

Controls and Dimming

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|-------------------------------|----------------------------|
| 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 | 493 mm |
| Overall width | 217 mm |
| Overall height | 79 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

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|------------------------------------|--|
| 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)

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|---------------------------------------|----------------------|
| 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)

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|--|------|
| 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

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|---------------------------------|------------------------------------|
| Order product name | BRP102 LED58/740 I DM |
| Full product name | BRP102 LED58/740 I DM |
| Full product code | 872016947188700 |
| Order code | 910925869859 |
| Material Nr. (12NC) | 910925869859 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8720169471887 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8720169471887 |
| Product family code | BRP102 [CoreLine Malaga LED large] |

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Dimensional drawing

