



CoreLine Malaga LED

BRP102 LED72/730 II DM

CoreLine Malaga LED large - LED module 7200 lm - Power supply unit - Safety class II - Distribution medium - Universal for diameter 42 to 60 mm adjustable

The CoreLine Malaga LED family is designed for general Road, Street and Residential application. The family consists of two sizes and uses a Philips standardized design LED engine as light source and a Philips Xitanium fixed output outdoor driver. Quality you can rely on. CoreLine Malaga LED has been designed as efficient as possible, performing the same task as the SON-T 50, 70, 100 and 150W luminaires it replaces; provide the right amount of light in the right place. The medium beam (DM) optic delivers an efficient distribution onto the road. The combination results in interesting energy savings which reduce operating costs significantly. 50% energy reduction is realistically possible. At the same time, the investment in a CoreLine Malaga LED luminaire is in many cases on the same level as an old SON-T luminaire including the first lamp. As the LED light engine in CoreLine Malaga LED will last the life time of the luminaire, just by saving the multiple lamp replacements needed with SON-T will already return the investment in it. Ease of installation is obtained through the extended gland feature; the luminaire does not need to be opened 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. Adding up the functions and features truly make a choice for CoreLine Malaga LED an easy decision. As a member of the CoreLine family, Malaga LED is easy and quick available thru Philips Partners near you. Simply efficient.;

Specials; In addition to the standard version of CoreLine Malaga LED as described above, also versions with several options are available. As these are specials, and manufactured to order received only, these specials do have a longer delivery time. Options available are; Wide beam (DW) optic; Added surge protection device 10kV (SRG10); Marine Salt Protection (MSP) paint finish, e.g. for coastal areas; Micro Mini Pro photocell 35 Lux; Build in (glass) fuse 6A; 3 meters external flying lead cable (H07RN-F); Not all these options can always be combined with each other. Please consult your Philips partner for specific details in case of interest or doubt.

CoreLine Malaga LED

Product data

| General Information | |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lamp family code | LED72 [LED module 7200 lm] |
| Light source color | 730 warm white |
| Light source replaceable | No |
| Number of gear units | 1 unit |
| Driver/power unit/transformer | Power supply unit |
| Driver included | Yes |
| Optical cover/lens type | Flat glass |
| Luminaire light beam spread | - |
| Control interface | - |
| Connection | Push-in connector and pull relief |
| Cable | - |
| Protection class IEC | Safety class II |
| Flammability mark | - |
| CE mark | CE mark |
| ENEC mark | ENEC mark |
| Warranty period | 5 years |
| Optic type outdoor | Distribution medium |
| 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 |
| RoHS mark | RoHS mark |
| Light source engine type | LED |
| Product family code | BRP102 [CoreLine Malaga LED large] |
| Light Technical | |
| Upward light output ratio | 0 |
| Standard tilt angle posttop | - |
| Standard tilt angle side entry | 0° |
| 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) | 0.95 |

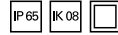
| Controls and Dimming | |
|----------------------------------------------------------|------------------------------------------------------------------------------------|
| Dimmable | No |
| Mechanical and Housing | |
| Housing Material | Aluminum die cast |
| Reflector material | - |
| Optic material | 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 |
| Optical cover/lens finish | Clear |
| Overall length | 493 mm |
| Overall width | 217 mm |
| Overall height | 79 mm |
| Overall diameter | 520 mm |
| Effective projected area | 0.22526 m ² |
| Color | Gray |
| 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 |
| Initial Performance (IEC Compliant) | |
| Initial luminous flux (system flux) | 6048 lm |
| Luminous flux tolerance | +/-7% |
| Initial LED luminaire efficacy | 108 lm/W |
| Init. Corr. Color Temperature | 3000 K |
| Init. Color Rendering Index | 70 |
| Initial chromaticity | SDCM ≤5 |
| Initial input power | 56 W |
| Power consumption tolerance | +/-11% |
| 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 |
| Application Conditions | |
| Ambient temperature range | -40 to +35 °C |
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level | Not applicable |

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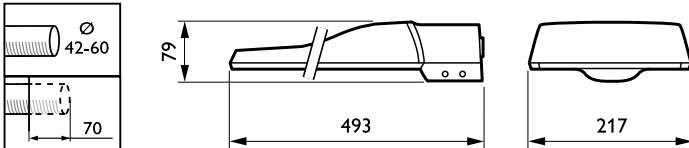
Product Data

| | |
|-------------------------------|------------------------|
| Full product code | 871951414358600 |
| Order product name | BRP102 LED72/730 II DM |
| EAN/UPC - Product | 8719514143586 |
| Order code | 910770213164 |
| Numerator - Quantity Per Pack | 1 |

| | |
|---------------------------------|--------------|
| Numerator - Packs per outer box | 1 |
| Material Nr. (12NC) | 910770213164 |
| Net Weight (Piece) | 3.300 kg |



Dimensional drawing



CoreLine Malaga LED BRP101/102

