



CoreLine Malaga LED

BRP102 LED74/740 II DM

CoreLine Malaga LED, Road & street light, 47 W, 6512 lm, 4000 K, CRI70, Distribution medium, Safety class II, IP65, SRG4-4

Road & street light, Aluminum die cast, Gray, Power supply unit (On/Off), 6512 lm, 47 W, 140 lm/W, 4000 K, (0.41, 0.39) SDCM ≤5, CRI70, Distribution medium, IP65 | Dust penetration-protected, jet-proof, IK08 | 5 J vandal-protected, Safety class II, Surge protection level until 4 kV differential mode and 4 kV common mode, Push-in connector and pull relief

Product data

| General Information | |
|------------------------------------|----------------------------|
| Lamp family code | LED74 [LED module 7400 lm] |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Light source engine type | LED |
| Service tag | Yes |
| Value ladder | Performance |
| Warranty period | 5 years |
| Light Technical | |
| Upward light output ratio | 0 |
| Luminous Flux | 6,512 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 m ² |
|--|--|
| 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 | 47 W |
| Power Factor (Fraction) | 0.98 |
| 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) | Surge protection level until 4 kV differential mode and 4 kV common mode |

CoreLine Malaga LED

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| Feed-through wiring | - |
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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

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

Sustainability Data

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| Sustainability rating | Unclassified |
| Repair class | Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time. |
| Embedded carbon (A1-A3) | 59.7 kg CO _{2e} |
| Product non-virgin material ratio | 6.82 % |
| Recyclable content ratio of the finished product | 50.7 % |
| GWP total B6 (kg CO _{2eq}) Declared Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO _{2eq} / kwh) |
| GWP total B6 (kg CO _{2eq}) Functional Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO _{2eq} / kwh) |
| Non-virgin material ratio of the packaging | Cardboard > 80% recycled Plastic >35% recycled |
| Packaging Recyclable content ratio | Cardboard recycling rate > 80% Plastic recycling rate > 40% |
| Packaging Material | Cardboard Plastic |

Product Data

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|---------------------------------|------------------------------------|
| Order product name | BRP102 LED74/740 II DM |
| Full product name | BRP102 LED74/740 II DM |
| Full product code | 872016947191700 |
| Order code | 47191700 |
| Material Nr. (12NC) | 910925869862 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8720169471917 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8720169471917 |
| Product family code | BRP102 [CoreLine Malaga LED large] |

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Dimensional drawing

