

## BRP102 LED58/740 I DM

910925869859



## CoreLine Malaga LED, Road & street light, 37 W, 5162 lm, 4000 K, CRI70, Distribution medium, Safety class I, IP65, SRG4-4

Road & street light, Aluminium die cast, Grey, Power supply unit (On/Off), 5162 lm, 37 W, 140 lm/W, 4000 K, (0.41, 0.39) SDCM  $\leq 5$ , CRI70, Distribution medium, IP65 | Dust penetration-protected, jet-proof, IK08 | 5 J vandal-protected, Safety class I, Surge protection level until 4 kV differential mode and 4 kV common mode, Push-in connector and pull relief

General Information

|                          |                            |
|--------------------------|----------------------------|
| Lamp family code         | LED58 [LED module 5800 lm] |
| Number of gear units     | Unit                       |
| Driver included          | Yes                        |
| Light source engine type | LED                        |
| Service Tag              | Yes                        |
| Value ladder             | Performance                |
| Warranty period          | 5 years                    |

Light Technical

|                                     |                     |
|-------------------------------------|---------------------|
| Upwards light output ratio          | 0                   |
| Luminous Flux                       | 5,162 lm            |
| Correlated Colour Temperature (Nom) | 4000 K              |
| Luminous efficacy (rated) (nom.)    | 140 lm/W            |
| Colour rendering index (CRI)        | 70                  |
| Light source colour                 | 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                          | 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 (16 A type B) | 11                                                                       |
| Protection class IEC                    | Safety class I                                                           |
| Surge Protection (Common/Differential)  | 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                    | Aluminium die cast                            |
| Reflector material                  | -                                             |
| Optic material                      | Polymethyl methacrylate                       |
| Optical cover/lens material         | Tempered glass                                |
| Fixation material                   | Aluminium                                     |
| Housing Colour                      | Grey                                          |
| Mounting device                     | Universal for diameter 42 to 60 mm adjustable |
| Optical cover/lens shape            | Flat                                          |
| Optical cover/lens 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                             |
| Ingress protection code             | IP65 [Dust penetration-protected, jet-proof]  |
| Mech. impact protection code        | IK08 [5 J vandal-protected]                   |
| Standard tilt angle post-top        | -                                             |
| Standard tilt angle side entry      | 0°                                            |
| Optical cover type                  | Flat glass                                    |
| Net Weight (Piece)                  | 3.300 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. Colour Rendering Index Tolerance | +/-2                 |

Over Time Performance (IEC Compliant)

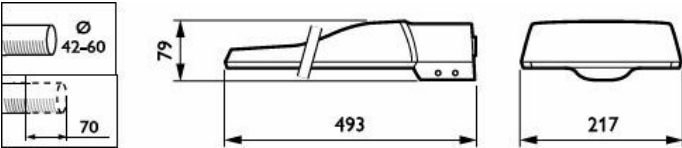
|                                                                     |      |
|---------------------------------------------------------------------|------|
| Control gear failure rate at median useful life 50,000 h            | 5 %  |
| Control gear failure rate at median useful life 100,000 h           | 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

|                                                      |                                                                                                                                                                                                                                                   |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 <sub>2</sub> e                                                                                                                                                                                                                         |
| Product non-virgin material ratio                    | 6.82 %                                                                                                                                                                                                                                            |
| Recyclable the content ratio of the finished product | 50.7 %                                                                                                                                                                                                                                            |
| GWP total B6 (kg CO <sub>2</sub> eq) Declared Unit   | Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2</sub> eq / kwh)                                                                                        |
| GWP total B6 (kg CO <sub>2</sub> eq) Functional Unit | Please calculate using your local energy mix value: POWER DECLARED UNIT (kW) * 1000 (lm) / LUMEN OUTPUT DECLARED UNIT (lm) * 35000 (hrs) * ENERGY MIX (kg CO <sub>2</sub> eq / kwh)                                                               |

Dimensional drawing



Product Data

|                                 |                                    |
|---------------------------------|------------------------------------|
| Order product name              | BRP102 LED58/740 I DM              |
| Full product name               | BRP102 LED58/740 I DM              |
| Full EOC                        | 872016947188700                    |
| Order code                      | 910925869859                       |
| Material no. (12 NC)            | 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] |

## Compatible Accesories

| Accessory Image                                                                   | Accessory Code | Accessory Name                           | Website                                                                                                             |
|-----------------------------------------------------------------------------------|----------------|------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|  | 910925227912   | ZRP220 AD60/60 A5                        | <a href="#">Product Website</a>  |
|  | 910925868646   | ZRP100 SPIG ADAP CL MALAGA+LN STREETLIGH | <a href="#">Product Website</a>  |

## Related Documents

| Documents and certificates        | Document Name                                                 | Download                                                                                                     |
|-----------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Installation Instructions         | 442710336212_583_Coreline_Malaga_LED_BRP101_BRP102_MI.pdf     | <a href="#">Download</a>  |
| Environmental Product Declaration | EPD-Philips-CoreLine-Malaga-LED-large-BRP102-910925869859.pdf | <a href="#">Download</a>  |
| Tender text                       | Tender_Text_910925869859_en_IE.txt                            | <a href="#">Download</a>  |

