



BGP307 LED45-4S/740 I
DM50 48/60S

910925864588



ClearWay gen2, Road & street light, 27.5 W, 3960 lm, 4000 K, CRI70, Distribution medium 50, Safety class I, IP66

Road & street light, Aluminium die cast, Grey, Universal for diameter 48 to 60 mm adjustable, Power supply unit (On/Off), 3960 lm, 27.5 W, 144 lm/W, 4000 K, (0.38, 0.38) SDCM <5, CRI70, Distribution medium 50, IP66 | Dust penetration-protected, jet-proof, IK09 | 10 J, Safety class I, Surge protection level until 6 kV differential mode and 8 kV common mode, Push-in connector 5-pole

General Information

| | |
|--------------------------|----------------------------|
| Lamp family code | LED45 [LED Module 4500 lm] |
| Light source replaceable | Yes |
| Number of gear units | Unit |
| Driver included | Yes |
| Light source engine type | LED |
| Service Tag | Yes |
| Lighting Technology | LED |
| Value ladder | Performance |
| Warranty period | 5 years |

Light Technical

| | |
|-------------------------------------|------------------------|
| Upwards light output ratio | 0 |
| Luminous Flux | 3,960 lm |
| Correlated Colour Temperature (Nom) | 4000 K |
| Luminous efficacy (rated) (nom.) | 144 lm/W |
| Colour rendering index (CRI) | 70 |
| Light source colour | 740 neutral white |
| Optic type | - |
| Luminaire light beam spread | 154° - 31° x 54° |
| Optic type outdoor | Distribution medium 50 |
| Effective projected area | 0.1151 m ² |

Operating and Electrical

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|---|--|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 43 A |
| Inrush time | 0.26 ms |
| Power Consumption | 27.5 W |
| Power Factor (Fraction) | 0.95 |
| Connection | Push-in connector 5-pole |
| Cable | - |
| Number of products on MCB (16 A type B) | 20 |
| Protection class IEC | Safety class I |
| Surge Protection (Common/Differential) | Surge protection level until 6 kV differential mode and 8 kV common mode |

Controls and Dimming

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|-------------------------------|----------------------------|
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Control interface | - |
| Constant light output | No |
| Maximum dim level | Not applicable |

Mechanical and Housing

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|-------------------------------------|---|
| 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 48 to 60 mm adjustable |
| Optical cover/lens shape | Flat |
| Optical cover/lens finish | Clear |
| Overall length | 482 mm |
| Overall width | 330 mm |
| Overall height | 93 mm |
| Dimensions (height x width x depth) | 93 x 330 x 482 mm |
| Ingress protection code | IP66 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK09 [10 J] |
| Standard tilt angle post-top | 0° |
| Standard tilt angle side entry | 0° |
| Optical cover type | Flat glass |
| Net Weight (Piece) | 4.750 kg |

Approval and Application

| | |
|------------------------------------|---|
| Flammability mark | - |
| CE mark | Yes |
| ENEC mark | ENEC mark |
| Photobiological risk | Photobiological risk group 1 @ 200mm to EN62471 |
| Photobiological risk specification | 3.1 m |
| EU RoHS compliant | Yes |
| Performance ambient temperature Tq | 25 °C |
| Remarks | *- According to the Lighting Europe guidance paper 'Evaluating the performance of LED -based luminaires - January 2018'; statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value. |
| Ambient temperature range | -40 to +50 °C |

Initial Performance (IEC Compliant)

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| Luminous flux tolerance | +/-7% |
| Initial chromaticity | (0.38, 0.38) SDCM <5 |
| Power consumption tolerance | +/-10% |
| Init. Colour Rendering Index Tolerance | +/-2 |
| Standard Deviation of Colour Matching (McAdam ellipse) | SDCM≤5 |

Over Time Performance (IEC Compliant)

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|--|-------|
| Driver failure rate at 5,000 hours | 0.5 % |
| 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 | L99 |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h | L97 |

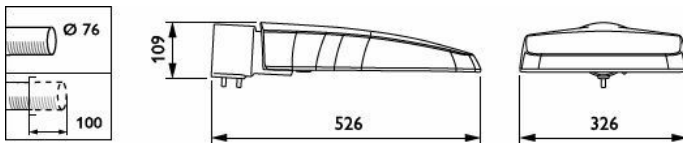
Sustainability Data

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|--|---|
| Sustainability rating | Signify Circle |
| Repair class | Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time. |
| Embedded carbon (A1-A3) | 102 kg CO ₂ e |
| Product non-virgin material ratio | 5.83 % |
| Recyclable the content ratio of the finished product | 50.9 % |
| GWP total B6 (kg CO ₂ eq) Declared Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO ₂ eq / kWh) |
| GWP total B6 (kg CO ₂ 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 ₂ eq / kWh) |

Product Data

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|---------------------------------|-----------------------------------|
| Order product name | BGP307 LED45-4S/740 I DM50 48/60S |
| Full product name | BGP307 LED45-4S/740 I DM50 48/60S |
| Full EOC | 871869698800800 |
| Order code | 910925864588 |
| Material no. (12 NC) | 910925864588 |
| Numerator - quantity per pack | 1 |
| EAN/UPC - Product/Case | 8718696988008 |
| Numerator - packs per outer box | 1 |
| EAN/UPC - Case | 8718696988008 |
| Product family code | BGP307 [CLEARWAY GEN2] |

Dimensional drawing



Polar normal diagrams

