



ClearWay gen2

BGP307 LED109-4S/740 I DM50 48/60S

ClearWay gen2, LED module 10900 lm, 740 neutral white, Safety class I, Distribution medium 50, Universal for diameter 48 to 60 mm adjustable

ClearWay Gen2 enables you to enjoy the benefits of LED technology for urban lighting right from the start. This new second generation of the luminaire builds on the strengths of its predecessor and is designed to further minimize your Total Cost of Ownership. ClearWay Gen2 significantly improves the most important aspects of the street lighting experience compared to conventional urban lighting. Ideal for new streets and for renovating existing installations, this affordable range of urban ClearWay lighting solutions combines clean design, high-quality light with significant energy and maintenance savings. In short, ClearWay Gen2 means good quality light with all the added benefits of LED – energy savings and long lifetime. Offering more benefits, yet packaged in a thinner and lighter design, which makes it easier to install.

Product data

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| | value also represents the B10 value. * At |
|--------------------------|--|
| | extreme ambient temperatures the luminaire |
| | might automatically dim down to protect |
| | components |
| Light source engine type | LED |
| Product family code | BGP307 [ClearWay gen2] |
| Lighting Technology | LED |
| Value ladder | Performance |
| CE mark | Yes |
| Warranty period | 5 years |
| Flammability mark | - |
| | |

ClearWay gen2

Input Voltage Line Frequency

Inrush current Inrush time

Connection

Cable

Power Consumption
Power Factor (Fraction)

Constant light output

Number of products on MCB of 16 A type 10

| ENEC mark | ENEC mark |
|------------------------------------|------------------------|
| EU RoHS compliant | No |
| | |
| Light Technical | |
| Upward light output ratio | 0 |
| Luminous Flux | 9,460 lm |
| Standard tilt angle posttop | 0° |
| Standard tilt angle side entry | 0° |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 146 lm/W |
| Color rendering index (CRI) | 70 |
| Light source color | 740 neutral white |
| Optical cover type | Flat glass |
| Luminaire light beam spread | 154° - 31° x 54° |
| Optic type outdoor | Distribution medium 50 |
| | |
| Operating and Electrical | |

220 to 240 V

50 to 60 Hz 47 A

Push-in connector 5-pole

0.25 ms 65 W

0.99

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| Overall length | 482 mm |
|-------------------------------------|-------------------|
| Overall width | 330 mm |
| Overall height | 93 mm |
| Effective projected area | 0.1151 m² |
| Dimensions (Height x Width x Depth) | 93 x 330 x 482 mm |

| Approval and Application | |
|--|--|
| Ingress protection code | IP66 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK09 [10 J] |
| Surge Protection (Common/Differential) | Luminaire surge protection level until 6 kV |
| | differential mode and 8 kV common mode |
| Sustainability rating | Lighting for circularity |
| Protection class IEC | Safety class I |
| Photobiological risk | Photobiological risk group 1 @ 200mm to |
| | EN62471 |
| Photobiological risk specification | 3.1 m |

| Initial Performance (IEC Compliant) | |
|---------------------------------------|----------------------|
| Luminous flux tolerance | +/-7% |
| Initial chromaticity | (0.38, 0.38) SDCM <5 |
| Power consumption tolerance | +/-10% |
| Init. Color Rendering Index Tolerance | +/-2 |

| Over Time Performance (IEC Compliant) | |
|--|-------|
| Driver failure rate at 5000 h | 0.5 % |
| Control gear failure rate at median useful | 5 % |
| life 50000 h | |
| Control gear failure rate at median useful | 10 % |
| life 100000 h | |
| Lumen maintenance at median useful | L96 |
| life* 100000 h | |

Application Conditions

| Performance ambient temperature Tq | 25 °C |
|------------------------------------|----------------|
| Maximum dim level | Not applicable |

| Product Data | |
|---------------------------------|------------------------------------|
| Order product name | BGP307 LED109-4S/740 I DM50 48/60S |
| Full product name | BGP307 LED109-4S/740 I DM50 48/60S |
| Full product code | 871869698805300 |
| Order code | 910925864593 |
| Material Nr. (12NC) | 910925864593 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718696988053 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718696988053 |
| | |

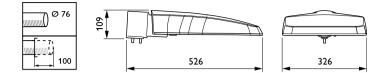
| В | |
|-------------------------------|----------------------------|
| | |
| Temperature | |
| Ambient temperature range | -40 to +50 °C |
| | |
| Controls and Dimming | |
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Control interface | - |

| 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 48 to 60 mm |
| | adjustable |
| Optical cover shape | Flat |
| Optical cover finish | Clear |

No

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Dimensional drawing





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