



DigiStreet

BGP761 LED84-/740 I DS50 DGR 32-48

DigiStreet Mini, LED module 8400 lm, 740 neutral white, Safety class I, Distribution symmetrical 50, Dark grey, Spigot for diameter 32 to 48 mm

Developed with the aim of becoming your long-term partner,, the system-ready architecture of DigiStreet enables you to enjoy the benefits of connected lighting systems today and also gets the city ready for the innovations to come! Its two sockets enable you to connect directly to the Philips CityTouch system and it is also prepared to connect you to the future innovations of IoT. Next to this, each individual luminaire is uniquely identifiable, thanks to the Philips Service tag application. With a simple scan of a QR code, placed on the inside of the mast door, you gain instant access to the luminaire configuration, making maintenance and programming operations faster and easier, no matter what stage of the luminaire's lifetime. Digistreet is also equipped with dedicated light recipes that: 1) maintain optimal ecosystems for bats or 2) preserve a dark night sky.

Product data

| General Information | | |
|--------------------------|---|--|
| Lamp family code | LED84 [LED module 8400 lm] | |
| Light source replaceable | No | |
| Number of gear units | Unit | |
| Gear | EB [Electronic] | |
| Driver included | Yes | |
| Remarks | * - According to the Lighting Europe guidance paper 'Evaluating 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. | |
| | | |
| Light source engine type | LED | |
| Product family code | BGP761 [DigiStreet Mini] | |
| Lighting Technology | LED | |
| Value ladder | Specification | |
| CE mark | Yes | |
| Warranty period | 5 years | |
| Flammability mark | - | |
| ENEC mark | ENEC mark | |

| | |
|-------------------|----------------------------------|
| Glow-wire test | Temperature 650 °C, duration 5 s |
| EU RoHS compliant | Yes |

Light Technical

| | |
|----------------------------------|-----------------------------|
| Upwards light output ratio | 0 |
| Luminous Flux | 7,392 lm |
| Standard tilt angle post-top | 0° |
| Standard tilt angle side entry | 0° |
| Correlated Colour Temperature | 4000 K |
| Luminous efficacy (rated) (nom.) | 139 lm/W |
| Colour rendering index (CRI) | 70 |
| Light source colour | 740 neutral white |
| Optical cover type | Flat glass |
| Luminaire light beam spread | 32° x 29° |
| Optic type outdoor | Distribution symmetrical 50 |

Operating and Electrical

| | |
|--|-------------------------------|
| Input Voltage | 220-240 V |
| Line Frequency | 50 to 60 Hz |
| Initial CLO power consumption | - W |
| Average CLO power consumption | - W |
| End CLO power consumption | - W |
| Inrush current | 46 A |
| Inrush time | 0.25 ms |
| Power Consumption | 53 W |
| Power Factor (Fraction) | 0.98 |
| Connection | Screw connection block 3-pole |
| Cable | - |
| Number of products on MCB of 16 A type B | 11 |

Temperature

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|---------------------------|---------------|
| Ambient temperature range | -40 to +50 °C |
|---------------------------|---------------|

Controls and Dimming

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|-------------------------------|----------------------------|
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Control interface | - |
| Constant light output | No |

Mechanical and Housing

| | |
|-----------------------------|---------------|
| Housing material | Aluminium |
| Reflector material | Polycarbonate |
| Optic material | Acrylate |
| Optical cover/lens material | Glass |
| Fixation material | Steel |
| Housing Colour | Dark grey |

| | |
|-------------------------------------|---------------------------------|
| Mounting device | Spigot for diameter 32 to 48 mm |
| Optical cover/lens shape | Flat |
| Optical cover/lens finish | Clear |
| Overall length | 860 mm |
| Overall width | 236 mm |
| Overall height | 107 mm |
| Effective projected area | 0.0666 m² |
| Dimensions (height x width x depth) | 107 x 236 x 860 mm |

Approval and Application

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|--|--|
| Ingress protection code | IP66 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK09 [10 J] |
| Surge Protection (Common/Differential) | Luminaire surge protection level up to 6 kV differential mode and 8 kV common mode |
| Protection class IEC | Safety class I |
| Photobiological risk | Photobiological risk group 0 @200mm to EN62778 |

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. Color Rendering Index Tolerance | +/-2 |

Over Time Performance (IEC Compliant)

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|---|------|
| Control gear failure rate at median useful life 100,000 h | 10 % |
| Lumen maintenance at median useful life* 100,000 h | L93 |

Application Conditions

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

Product Data

| | |
|-----------------------------------|------------------------------------|
| Order product name | BGP761 LED84-/740 I DS50 DGR 32-48 |
| Full product name | BGP761 LED84-/740 I DS50 DGR 32-48 |
| Full EOC | 871869637701700 |
| Order code | 37701700 |
| Material no. (12 NC) | 910925863576 |
| SAP numerator – quantity per pack | 1 |
| EAN/UPC — Product/Case | 8718696377017 |
| Numerator – packs per outer box | 1 |
| EAN/UPC - Case | 8718696377017 |

Dimensional drawing

