# DigiStreet

## BGP760 LED22-/740 I DM50 DGR 32-48

DigiStreet Micro, LED module 2200 lm, 740 neutral white, Safety class I, Distribution medium 50, Dark gray, Spigot for diameter 32 to 48 mm

Developed with the aim to become 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 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 an optimal ecosystems for bats or 2) preserve a dark night sky.

## Product data

### General Information

| | |
|---|---|
| Lamp family code | LED22 [LED module 2200 lm] |
| Light source replaceable | Yes |
| Number of gear units | 1 unit |
| Gear | EB [Electronic] |
| Driver included | Yes |
| Remarks | *–Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires – January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) 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 | BGP760 [DigiStreet Micro] |
| Lighting Technology | LED |
| Value ladder | Specification |
| CE mark | Yes |
| Warranty period | 5 years |

# DigiStreet

| | |
|---|---|
| **Flammability mark** | – |
| **ENEC mark** | ENEC mark |
| **Glow-wire test** | Temperature 650 °C, duration 5 s |
| **EU RoHS compliant** | Yes |

## Light Technical

| | |
|---|---|
| **Upward light output ratio** | 0 |
| **Luminous Flux** | 2,002 lm |
| **Standard tilt angle posttop** | 0° |
| **Standard tilt angle side entry** | 0° |
| **Correlated Color Temperature (Nom)** | 4000 K |
| **Luminous Efficacy (rated) (Nom)** | 145 lm/W |
| **Color rendering index (CRI)** | 70 |
| **Number of light sources** | 1 |
| **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

| | |
|---|---|
| **Input Voltage** | 220-240 V |
| **Line Frequency** | 50 to 60 Hz |
| **Inrush current** | 15 A |
| **Inrush time** | 0.295 ms |
| **Power Consumption** | 13.8 W |
| **Power Factor (Fraction)** | 0.98 |
| **Connection** | Screw connector |
| **Cable** | – |
| **Number of products on MCB of 16 A type B** | 48 |

## Temperature

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

## Controls and Dimming

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

## Mechanical and Housing

| | |
|---|---|
| **Housing Material** | Aluminum die cast |
| **Reflector material** | Polycarbonate |
| **Optic material** | Acrylate |
| **Optical cover material** | Glass |
| **Fixation material** | Stainless steel |
| **Housing Color** | Dark gray |

| | |
|---|---|
| **Mounting device** | Spigot for diameter 32 to 48 mm |
| **Optical cover shape** | Flat |
| **Optical cover finish** | Clear |
| **Overall length** | 695 mm |
| **Overall width** | 236 mm |
| **Overall height** | 103 mm |
| **Effective projected area** | 0.0578 m² |
| **Dimensions (Height x Width x Depth)** | 103 x 236 x 695 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 0 @200mm to EN62778 |

## 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)

| | |
|---|---|
| **Control gear failure rate at median useful life 100000 h** | 10 % |
| **Lumen maintenance at median useful life\* 100000 h** | L97 |

## Application Conditions

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

## Product Data

| | |
|---|---|
| **Order product name** | BGP760 LED22-/740 I DM50 DGR 32-48 |
| **Full product name** | BGP760 LED22-/740 I DM50 DGR 32-48 |
| **Full product code** | 871869637685000 |
| **Order code** | 910925863560 |
| **Material Nr. (12NC)** | 910925863560 |
| **Numerator – Quantity Per Pack** | 1 |
| **EAN/UPC – Product/Case** | 8718696376850 |
| **Numerator – Packs per outer box** | 1 |
| **EAN/UPC – Case** | 8718696376850 |

# DigiStreet

## Dimensional drawing

www.lighting.philips.com

2024, January 22 – data subject to change