



# DigiStreet

## BGP762 LED149-/740 I DM50 DGR 32-48

DigiStreet Medium - LED module 14900 lm - 740 neutral white - Safety class I (I) - Distribution medium 50 - Dark gray - Luminaire surge protection level up to 6 kV differential mode and 8 kV common mode - Spigot for diameter 32-48 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              | LED149 [ LED module 14900 lm] |
| Light source colour           | 740 neutral white             |
| Light source replaceable      | Yes                           |
| Number of gear units          | 1 unit                        |
| Driver/power unit/transformer | PSU [ Power supply unit]      |
| Driver included               | Yes                           |
| Optical cover/lens type       | FG [ Flat glass]              |
| Luminaire light beam spread   | 154° - 31° x 54°              |
| Control interface             | -                             |

|                      |                              |
|----------------------|------------------------------|
| Connection           | SI [ Screw connection block] |
| Cable                | -                            |
| Protection class IEC | Safety class I (I)           |
| Flammability mark    | NO [ -]                      |
| CE mark              | CE mark                      |
| ENEC mark            | ENEC mark                    |
| Warranty period      | 5 years                      |
| Optic type outdoor   | Distribution medium 50       |

|   |  |
|---|--|
| Remarks                                 | * At extreme ambient temperatures the luminaire might automatically dim down to protect components   |
| Constant light output                   | No   |
| Number of products on MCB (16 A type B) | 8  |
| EU RoHS compliant                       | Yes  |
| Light source engine type                | LED  |
| Serviceability class                    | Class A, the luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge-protection device, optics, front cover and mechanical parts |
| Product family code                     | BGP762 [ DigiStreet Medium]  |

## Light Technical

|                                |    |
|--------------------------------|----|
| Upward light output ratio      | 0  |
| Standard tilt angle post-top   | 0° |
| Standard tilt angle side entry | 0° |

## Operating and Electrical

|                     |             |
|---------------------|-------------|
| Input Voltage       | 220-240 V   |
| Input frequency     | 50 to 60 Hz |
| Inrush current      | 53 A        |
| Inrush time         | 0.3 ms      |
| Power factor (min.) | 0.99        |

## Controls and Dimming

|          |     |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

## Mechanical and Housing

|                             |                                       |
|-----------------------------|---------------------------------------|
| Housing material            | Aluminum die-cast                     |
| Reflector material          | Polycarbonate                         |
| Optic material              | Acrylate                              |
| Optical cover/lens material | Glass                                 |
| Fixation material           | Stainless steel                       |
| Mounting device             | 32/48 [ Spigot for diameter 32-48 mm] |
| Optical cover/lens shape    | Flat                                  |
| Optical cover/lens finish   | Clear                                 |
| Overall length              | 860 mm                                |
| Overall width               | 361 mm                                |
| Overall height              | 107 mm                                |
| Effective projected area    | 0.068 m <sup>2</sup>                  |

|                                     |   |
|-------------------------------------|---|
| Colour                              | Dark gray                                 |
| Dimensions (height x width x depth) | 107 x 361 x 860 mm (4.2 x 14.2 x 33.9 in) |

## 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 up to 6 kV differential mode and 8 kV common mode |

## Initial Performance (IEC Compliant)

|  |                      |
|--|----------------------|
| Initial luminous flux (system flux)    | 13500 lm             |
| Luminous flux tolerance                | +/-7%                |
| Initial LED luminaire efficacy         | 153 lm/W             |
| Init. Corr. Colour Temperature         | 4000 K               |
| Init. Colour rendering index           | 70                   |
| Initial chromaticity                   | (0.38, 0.38) SDCM <5 |
| Initial input power                    | 88 W                 |
| Power consumption tolerance            | +/-11%               |
| Init. colour rendering index tolerance | +/-2                 |

## Over Time Performance (IEC Compliant)

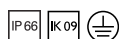
|   |      |
|---|------|
| Control gear failure rate at median useful life 100,000 h | 10 % |
| Lumen maintenance at median useful life* 100,000 h        | L96  |

## Application Conditions

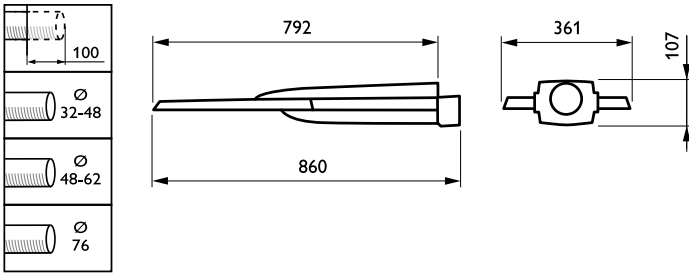
|                           |                |
|---------------------------|----------------|
| Ambient temperature range | -40 to +50 °C  |
| Maximum dimming level     | Not applicable |

## Product Data

|                                   |                                     |
|-----------------------------------|-------------------------------------|
| Full product code                 | 871869637830400                     |
| Order product name                | BGP762 LED149-/740 I DM50 DGR 32-48 |
| EAN/UPC – product                 | 8718696378304                       |
| Order code                        | 37830400                            |
| SAP numerator – quantity per pack | 1                                   |
| Numerator – packs per outer box   | 1                                   |
| SAP material                      | 910925866225                        |
| SAP net weight (piece)            | 9.038 kg                            |

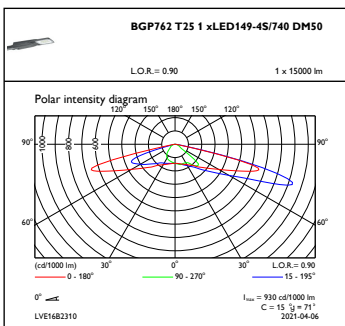


Dimensional drawing



DigiStreet BGP760-BTP764

Photometric data



OFPC1\_BGP762T251xLED149-4S740DM50

