PHILIPS

Lighting



# LumiStreet

## BGP253 LED94-4S/740 II DM50 D9 48/60A

LumiStreet Medium, LED module 9400 lm, 740 neutral white, Safety class II, Distribution medium 50, Flat glass, Side-entry for diameter 48 to 60 mm

Many local authorities today have an outdated public lighting installation that urgently needs to be replaced, yet have only a limited budget available. We have the answer to their needs. With its compact design and modern LED architecture, LumiStreet is a versatile, cost-effective luminaire that fulfils basic functional road lighting requirements. It is made of high-quality components that ensure long lifetime and low maintenance cost. The result? A road lighting luminaire that provides effective illumination while at the same time cutting energy and maintenance bills. Core version design for high-volume projects at relatively low initial budget. Offer limited range of optics. Performer version design for customer who are preparing big renovation projects, TCO oriented.

### Product data

| General Information | |
|---|---|
| **Lamp family code** | LED94 [LED module 9400 lm] |
| **Light source replaceable** | Yes |
| **Number of gear units** | 1 unit |
| **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. |

| | |
|---|---|
| **Light source engine type** | LED |
| **Product family code** | BGP253 [LumiStreet Medium] |
| **Lighting Technology** | LED |
| **Flammability mark** | For mounting on normally flammable surfaces |
| **CE mark** | Yes |
| **ENEC mark** | ENEC mark |
| **Warranty period** | 5 years |
| **EU RoHS compliant** | Yes |

| Light Technical | |
|---|---|
| **Upward light output ratio** | 0 |

# LumiStreet

| | |
|---|---|
| **Luminous Flux** | 8,178 lm |
| **Standard tilt angle posttop** | 0° |
| **Standard tilt angle side entry** | 0° |
| **Correlated Color Temperature (Nom)** | 4000 K |
| **Luminous Efficacy (rated) (Nom)** | 143 lm/W |
| **Color rendering index (CRI)** | 70 |
| **Light source color** | 740 neutral white |
| **Optical cover type** | Flat glass |
| **Luminaire light beam spread** | 53° x 71° |
| **Optic type outdoor** | Distribution medium 50 |

## Operating and Electrical

| | |
|---|---|
| **Input Voltage** | 230 V |
| **Line Frequency** | 50 to 60 Hz |
| **Inrush current** | 46 A |
| **Inrush time** | 0.25 ms |
| **Power Consumption** | 57 W |
| **Power Factor (Fraction)** | 0.97 |
| **Connection** | Connection unit 5-pole |
| **Cable** | - |
| **Number of products on MCB of 16 A type B** | 11 |

## Temperature

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

## Controls and Dimming

| | |
|---|---|
| **Dimmable** | Yes |
| **Driver/power unit/transformer** | Power supply unit with DALI interface |
| **Control interface** | DALI |
| **Constant light output** | No |

## Mechanical and Housing

| | |
|---|---|
| **Housing Material** | Aluminum die cast |
| **Reflector material** | Polycarbonate |
| **Optic material** | Polycarbonate |
| **Optical cover material** | Polycarbonate |
| **Fixation material** | Aluminum |
| **Housing Color** | Grey |
| **Mounting device** | Side-entry for diameter 48 to 60 mm |
| **Optical cover shape** | Curved |
| **Optical cover finish** | Clear |
| **Overall length** | 580 mm |
| **Overall width** | 353 mm |
| **Overall height** | 98 mm |
| **Effective projected area** | 0.42 m² |
| **Dimensions (Height x Width x Depth)** | 98 x 353 x 580 mm |

## Approval and Application

| | |
|---|---|
| **Ingress protection code** | IP66 [Dust penetration-protected, jet-proof] |
| **Mech. impact protection code** | IK08 [5 J vandal-protected] |
| **Surge Protection (Common/Differential)** | Philips standard surge protection level |
| **Protection class IEC** | Safety class II |

## 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** | L94 |

## Application Conditions

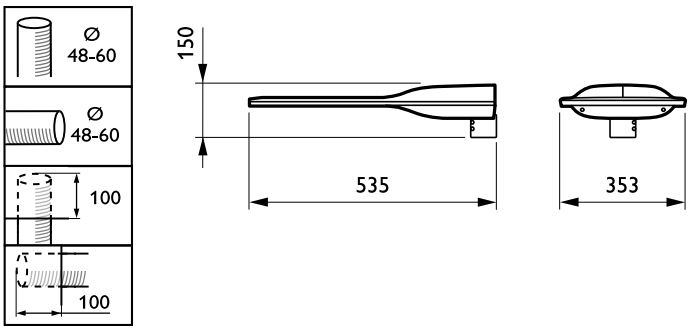
| | |
|---|---|
| **Performance ambient temperature Tq** | 25 °C |
| **Maximum dim level** | 0% (digital) |

## Product Data

| | |
|---|---|
| **Order product name** | BGP253 LED94-4S/740 II DM50 D9 48/60A |
| **Full product name** | BGP253 LED94-4S/740 II DM50 D9 48/60A |
| **Full product code** | 871869698856500 |
| **Order code** | 910925864928 |
| **Material Nr. (12NC)** | 910925864928 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8718696988565 |
| **Numerator - Packs per outer box** | 1 |
| **EAN/UPC - Case** | 8718696988565 |

# LumiStreet

## Dimensional drawing




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