PHILIPS

Lighting



# UniStreet

## BGS204 LED100/740 I DM CLO D9 48/60A

UniStreet Large, LED module 10000 lm, Distribution medium, Constant light output, Universal for diameter 48 to 60 mm adjustable

At relatively low initial cost, the highly efficient LED-based UniStreet luminaire offers significant cost savings compared with conventional street lighting, ensuring full payback within a short period of time. Available in a choice of lumen packages, UniStreet allows point-to-point replacement of outdated conventional light sources and luminaires. The compact, slim luminaire is made of quality recyclable materials. And being a LED solution, it requires little maintenance. Core version design for high-volume projects at relatively low initial budget. Offer limited range of optics. Performer version design for customers who are preparing big renovation projects, TCO oriented

### Product data

| General Information | |
|---|---|
| **Lamp family code** | LED100 [LED module 10000 lm] |
| **Light source replaceable** | Yes |
| **Number of gear units** | 1 unit |
| **Driver included** | Yes |
| **Photocell** | - |
| **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** | BGS204 [UniStreet Large] |
| **Lighting Technology** | LED |
| **Glow-wire test** | Temperature 650 °C, duration 5 s |
| **Flammability mark** | - |
| **CE mark** | Yes |
| **ENEC mark** | ENEC mark |
| **Warranty period** | 5 years |
| **EU RoHS compliant** | No |
| **Embedded control** | Constant light output |

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

# UniStreet

| | |
|---|---|
| **Luminous Flux** | 7,574 lm |
| **Standard tilt angle posttop** | 0° |
| **Standard tilt angle side entry** | 0° |
| **Correlated Color Temperature (Nom)** | 4000 K |
| **Luminous Efficacy (rated) (Nom)** | 102 lm/W |
| **Color rendering index (CRI)** | 70 |
| **Number of light sources** | 5 |
| **Light source color** | 740 neutral white |
| **Optical cover type** | Flat glass |
| **Luminaire light beam spread** | 154° |
| **Optic type outdoor** | Distribution medium |

## Operating and Electrical

| | |
|---|---|
| **Input Voltage** | 220-240 V |
| **Line Frequency** | 50 to 60 Hz |
| **Initial CLO power consumption** | 66.4 W |
| **Average CLO power consumption** | 74.7 W |
| **End CLO power consumption** | 83 W |
| **Inrush current** | 53 A |
| **Inrush time** | 0.3 ms |
| **Power Consumption** | 83 W |
| **Power Factor (Fraction)** | 0.95 |
| **Connection** | Screw connection block 3-pole |
| **Cable** | - |
| **Number of products on MCB of 16 A type B** | 8 |

## Temperature

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

## Controls and Dimming

| | |
|---|---|
| **Dimmable** | Yes |
| **Driver/power unit/transformer** | Power supply unit with DALI interface and constant light output |
| **Control interface** | DALI |
| **Constant light output** | Yes |

## Mechanical and Housing

| | |
|---|---|
| **Housing Material** | Aluminum die cast |
| **Reflector material** | Polycarbonate |
| **Optic material** | Polycarbonate |
| **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 |
| **Overall length** | 755 mm |
| **Overall width** | 355 mm |
| **Overall height** | 98 mm |
| **Effective projected area** | 0.04 m² |
| **Dimensions (Height x Width x Depth)** | 98 x 355 x 755 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 I |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| **Luminous flux tolerance** | +/-7% |
| **Initial chromaticity** | (0.380, 0.380) 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** | L100 |

## Application Conditions

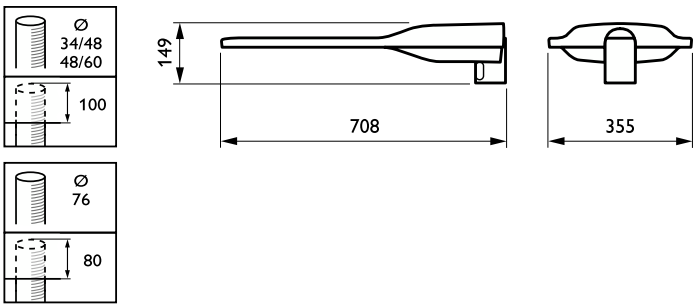
| | |
|---|---|
| **Performance ambient temperature Tq** | 25 °C |
| **Maximum dim level** | 10% |

## Product Data

| | |
|---|---|
| **Order product name** | BGS204 LED100/740 I DM CLO D9 48/60A |
| **Full product name** | BGS204 LED100/740 I DM CLO D9 48/60A |
| **Full product code** | 871869630180700 |
| **Order code** | 910925452363 |
| **Material Nr. (12NC)** | 910925452363 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8718696301807 |
| **Numerator - Packs per outer box** | 1 |
| **EAN/UPC - Case** | 8718696301807 |

# UniStreet

## Dimensional drawing




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