# UniStreet

## BGP203 LED59-4S/740 II DM50 D9 48/60A

UniStreet Small – LED module 5900 lm – 740 neutral white –
Safety class II (II) – Distribution medium – – – Dimming via
external communication DALI – Universal for diameter 48–60
mm adjustable – 25 °C

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UniStreet allows point-to-point replacement of outdated conventional light sources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.

## Product data

### General Information

| | |
|---|---|
| Number of light sources | 2 [ 2 pcs] |
| Lamp family code | LED59 [ LED module 5900 lm] |
| Light source color | 740 neutral white |
| Light source replaceable | Yes |
| Number of gear units | 1 unit |
| Driver/power unit/transformer | PSD [ Power supply unit with DALI interface] |
| Driver included | Yes |
| Optical cover/lens type | FG [ Flat glass] |
| Luminaire light beam spread | 154° – 31° x 54° |
| Embedded control | No [ -] |
| Control interface | DALI |
| Light regulation | Dimming via external communication DALI |
| Connection | SI [ Screw connection block] |
| Cable | – |

| | |
|---|---|
| Protection class IEC | Safety class II (II) |
| Coating | – |
| Glow-wire test | 650/5 [ Temperature 650 °C, duration 5 s] |
| Flammability mark | NO [ -] |
| CE mark | CE mark |
| ENEC mark | ENEC mark |
| Warranty period | 5 years |
| Optic type outdoor | Distribution medium |
| Photocell | No [ -] |
| 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 |

# UniStreet

| | | | |
|---|---|---|---|
| | represents the B10 value. * At extreme ambient temperatures the luminaire might automatically dim down to protect components | Torque | 15 |
| | | Overall length | 630 mm |
| Supply cable type | No [ –] | Overall width | 270 mm |
| Constant light output | No | Overall height | 98 mm |
| Spare parts available | Yes | Effective projected area | 0.038 m² |
| Number of products on MCB of 16 A type B | 11 | Color | Gray |
| | | Dimensions (Height x Width x Depth) | 98 x 270 x 630 mm (3.9 x 10.6 x 24.8 in) |
| EU RoHS compliant | No | | |
| WEEE mark | – | | |

## 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 kV |

Combined with left column:

| | |
|---|---|
| Light source engine type | LED |
| Serviceability class | Class A, 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 | BGP203 [ UniStreet Small] |

## Light Technical

| | |
|---|---|
| Upward light output ratio | 0 |
| Scotopic/photopic lumen ratio | 1.6 |
| Standard tilt angle posttop | 0° |
| Standard tilt angle side entry | 0° |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| Initial luminous flux (system flux) | 5100 lm |
| Luminous flux tolerance | +/-7% |
| Initial LED luminaire efficacy | 134 lm/W |
| Init. Corr. Color Temperature | 4000 K |
| Init. Color Rendering Index | 70 |
| Initial chromaticity | (0.381, 0.379) SDCM <5 |
| Initial input power | 38 W |
| Power consumption tolerance | +/-11% |

## Operating and Electrical

| | |
|---|---|
| Input Voltage | 220-240 V |
| Input Frequency | 50 to 60 Hz |
| Initial CLO power consumption | [DELETE] W |
| Average CLO power consumption | [DELETE] W |
| End CLO power consumption | [DELETE] W |
| Inrush current | 46 A |
| Inrush time | 0.25 ms |
| Driver current | 440 mA |
| Power Factor (Min) | .95 |

## Over Time Performance (IEC Compliant)

| | |
|---|---|
| Control gear failure rate at median useful life 100000 h | 10 % |
| Lumen maintenance at median useful life* 100000 h | L90 |

## Controls and Dimming

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

## Application Conditions

| | |
|---|---|
| Ambient temperature range | –40 to +50 ℃ |
| Performance ambient temperature Tq | 25 ℃ |
| Maximum dim level | 0% (digital) |

## Mechanical and Housing

| | |
|---|---|
| Housing Material | Aluminum die–cast |
| Reflector material | Polycarbonate |
| Optic material | Polycarbonate |
| Optical cover/lens material | Tempered glass |
| Fixation material | Aluminum |
| Mounting device | 48/60A [ Universal for diameter 48-60 mm adjustable] |
| Optical cover/lens shape | Flat |
| Optical cover/lens finish | Clear |

## Product Data

| | |
|---|---|
| Full product code | 871869634907600 |
| Order product name | BGP203 LED59-4S/740 II DM50 D9 48/60A |
| EAN/UPC – Product | 8718696349076 |
| Order code | 34907600 |
| Numerator – Quantity Per Pack | 1 |
| Numerator – Packs per outer box | 1 |
| Material Nr. (12NC) | 910925863497 |
| Net Weight (Piece) | 6.910 kg |

650℃  IK 08

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**Dimensional drawing**



UniStreet BGP/BGS202/203/204

www.lighting.philips.com

2020, June 10 – data subject to change