



# UniStreet

## BGP243 LED80-4S/740 II DM50 D9 48/60A

UniStreet Medium, LED module 8000 lm, 740 neutral white, Safety class II, Distribution medium 50, Flat glass, Side-entry for diameter 48 to 60 mm

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 Available in a choice of lumen packages, UniStreet allows point-to-point replacement of outdated conventional light sources and luminaires.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      |  | Product family code         | BGP243 [UniStreet Medium]                   |
|--------------------------|--|-----------------------------|---|
| Lamp family code         | LED80 [LED module 8000 lm]   | Lighting Technology         | LED   |
| Light source replaceable | Yes  | Flammability mark           | For mounting on normally flammable surfaces |
| Number of gear units     | 1 unit   | CE mark                     | Yes   |
| Driver included          | Yes  | ENEC mark                   | ENEC mark                                   |
| 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. | Warranty period             | 5 years                                     |
| Light source engine type | LED  | EU RoHS compliant           | Yes   |
|                          |  | Light Technical             |   |
|                          |  | Upward light output ratio   | 0   |
|                          |  | Luminous Flux               | 6.960 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                     |
| 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                        | 48 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          | Gray                                |
| 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              | BGP243 LED80-4S/740 II DM50 D9 48/60A |
| Full product name               | BGP243 LED80-4S/740 II DM50 D9 48/60A |
| Full product code               | 871869698844200                       |
| Order code                      | 910925864908                          |
| Material Nr. (12NC)             | 910925864908                          |
| Numerator - Quantity Per Pack   | 1                                     |
| EAN/UPC - Product/Case          | 8718696988442                         |
| Numerator - Packs per outer box | 1                                     |
| EAN/UPC - Case                  | 8718696988442                         |

Dimensional drawing

