



# **UniStreet**

## BGP204 LED80-4S/740 II DM50 D9 48/60A

UniStreet Large, LED module 8000 lm, 740 neutral white, Safety class II, Distribution medium, 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 Available in a choice of lumen packages, UniStreet allows point-to-point replacement of outdated conventional light sources and luminaires.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.

#### **Product data**

| General Information      |   |
|--------------------------|---|
| Lamp family code         | LED80 [LED module 8000 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      | BGP204 [UniStreet Large]                        |
| Lighting Technology      | LED   |
|                          |   |

| Embedded control                   | -                                |  |
|------------------------------------|----------------------------------|--|
| CE mark                            | Yes                              |  |
| Warranty period                    | 5 years                          |  |
| Flammability mark                  | -                                |  |
| ENEC mark                          | ENEC mark                        |  |
| Glow-wire test                     | Temperature 650 °C, duration 5 s |  |
| EU RoHS compliant                  | No                               |  |
|                                    |                                  |  |
| Light Technical                    |                                  |  |
| Upward light output ratio          | 0                                |  |
| Luminous Flux                      | 6,960 lm                         |  |
| Standard tilt angle posttop        | O°                               |  |
| Standard tilt angle side entry     | O°                               |  |
| Correlated Color Temperature (Nom) | 4000 K                           |  |
| Luminous Efficacy (rated) (Nom)    | 147 lm/W                         |  |
| Color rendering index (CRI)        | 70                               |  |

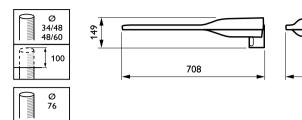
Datasheet, 2023, April 29 data subject to change

### UniStreet

| Number of light sources                | 2                                     | Overall width                              | 355 mm                                       |
|--|---------------------------------------|--|--|
| Light source color                     | 740 neutral white                     | Overall height                             | 98 mm  |
| Optical cover type                     | Flat glass                            | Effective projected area                   | 0.04 m²                                      |
| Luminaire light beam spread            | 154°                                  | Dimensions (Height x Width x Depth)        | 98 x 355 x 755 mm                            |
| Optic type outdoor                     | Distribution medium                   |  |  |
|  |                                       | Approval and Application                   |  |
| Operating and Electrical               |                                       | Ingress protection code                    | IP66 [Dust penetration-protected, jet-proof] |
| Input Voltage                          | 220-240 V                             | Mech. impact protection code               | IK08 [5 J vandal-protected]                  |
| Line Frequency                         | 50 to 60 Hz                           | Surge Protection (Common/Differential)     | Philips standard surge protection level      |
| Inrush current                         | 46 A                                  | Protection class IEC                       | Safety class II                              |
| Inrush time                            | 0.25 ms                               |  |  |
| Power Consumption                      | 47.5 W                                | Initial Performance (IEC Compliant)        |  |
| Power Factor (Fraction)                | 0.97                                  | Luminous flux tolerance                    | +/-7%  |
| Connection                             | Screw connection block 3-pole         | Initial chromaticity                       | (0.381, 0.379) SDCM <5                       |
| Cable                                  | -                                     | Power consumption tolerance                | +/-10%                                       |
| Number of products on MCB of 16 A type | 11                                    | Init. Color Rendering Index Tolerance      | +/-2   |
| В                                      |                                       |  |  |
|  |                                       | Over Time Performance (IEC Compli          | iant)  |
| Temperature                            |                                       | Control gear failure rate at median useful | 10 %   |
| Ambient temperature range              | -40 to +50 °C                         | life 100000 h                              |  |
|  |                                       | Lumen maintenance at median useful life    | * L93  |
| Controls and Dimming                   |                                       | 100000 h                                   |  |
| Dimmable                               | Yes                                   |  |  |
| Driver/power unit/transformer          | Power supply unit with DALI interface | <b>Application Conditions</b>              |  |
| Control interface                      | DALI                                  | Performance ambient temperature Tq         | 25 ℃   |
| Constant light output                  | No                                    | Maximum dim level                          | 10%  |
|  |                                       |  |  |
| Mechanical and Housing                 |                                       | Product Data                               |  |
| Housing Material                       | Aluminum die cast                     | Order product name                         | BGP204 LED80-4S/740 II DM50 D9 48/60A        |
| Reflector material                     | Polycarbonate                         | Full product name                          | BGP204 LED80-4S/740 II DM50 D9 48/60A        |
| Optic material                         | Polycarbonate                         | Full product code                          | 871869637236400                              |
| Optical cover material                 | Tempered glass                        | Order code                                 | 37236400                                     |
| Fixation material                      | Aluminum                              | Material Nr. (12NC)                        | 910925452109                                 |
| Housing Color                          | Grey                                  | Numerator - Quantity Per Pack              | 1  |
| Mounting device                        | Universal for diameter 48 to 60 mm    | EAN/UPC - Product/Case                     | 8718696372364                                |
|  | adjustable                            | Numerator - Packs per outer box            | 1  |
| Optical cover shape                    | Flat                                  | EAN/UPC - Case                             | 8718696372364                                |
| Optical cover finish                   | Clear                                 |  |  |
| Overall length                         | 755 mm                                |  |  |
|  |                                       |  |  |

### **UniStreet**

#### Dimensional drawing



355

