



# UniStreet

## BGP203 LED50/740 I DW DDF2 48/60A

UniStreet Small, LED module 5000 lm, Distribution wide, DynaDimmer with fixed presets version 2, 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 Available in a choice of lumen packages, UniStreet allows point-to-point replacement of outdated conventional light sources and luminaires.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         | LED50 [LED module 5000 lm]                                                                                                                                                                                                                                                                  | extreme ambient temperatures the luminaire might automatically dim down to protect components |                                  |
| Light source replaceable | Yes                                                                                                                                                                                                                                                                                         |                                                                                               |                                  |
| Number of gear units     | 1 unit                                                                                                                                                                                                                                                                                      | Light source engine type                                                                      | LED                              |
| Driver included          | Yes                                                                                                                                                                                                                                                                                         | Product family code                                                                           | BGP203 [UniStreet Small]         |
| Photocell                | -                                                                                                                                                                                                                                                                                           | Lighting Technology                                                                           | LED                              |
| 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. * At | 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 | DynaDimmer with fixed presets version 2 |
|------------------|-----------------------------------------|

#### Light Technical

|                                    |                   |
|------------------------------------|-------------------|
| Upward light output ratio          | 0                 |
| Luminous Flux                      | 4,150 lm          |
| Standard tilt angle posttop        | 0°                |
| Standard tilt angle side entry     | 0°                |
| Correlated Color Temperature (Nom) | 4000 K            |
| Luminous Efficacy (rated) (Nom)    | 101 lm/W          |
| Color rendering index (CRI)        | 70                |
| Number of light sources            | 3                 |
| Light source color                 | 740 neutral white |
| Optical cover type                 | Flat glass        |
| Luminaire light beam spread        | 154°              |
| Optic type outdoor                 | Distribution wide |

#### Operating and Electrical

|                                          |                               |
|------------------------------------------|-------------------------------|
| Input Voltage                            | 220-240 V                     |
| Line 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                           | 45 A                          |
| Inrush time                              | 0.285 ms                      |
| Power Consumption                        | 40.5 W                        |
| Power Factor (Fraction)                  | 0.93                          |
| Connection                               | Screw connection block 3-pole |
| Cable                                    | -                             |
| Number of products on MCB of 16 A type B | 10                            |

#### Temperature

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

#### Controls and Dimming

|                               |                                   |
|-------------------------------|-----------------------------------|
| Dimmable                      | Yes                               |
| Driver/power unit/transformer | Power supply unit with DynaDimmer |
| Control interface             | Internal (no external connection) |
| Constant light output         | No                                |

#### Mechanical and Housing

|                        |                   |
|------------------------|-------------------|
| Housing Material       | Aluminum die cast |
| Reflector material     | Polycarbonate     |
| Optic material         | Polycarbonate     |
| Optical cover material | Tempered glass    |
| Fixation material      | Aluminum          |

|                                     |                                               |
|-------------------------------------|-----------------------------------------------|
| Housing Color                       | Grey                                          |
| Mounting device                     | Universal for diameter 48 to 60 mm adjustable |
| Optical cover shape                 | Flat                                          |
| Optical cover finish                | Clear                                         |
| Overall length                      | 630 mm                                        |
| Overall width                       | 270 mm                                        |
| Overall height                      | 98 mm                                         |
| Effective projected area            | 0.038 m²                                      |
| Dimensions (Height x Width x Depth) | 98 x 270 x 630 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        | L90  |

#### Application Conditions

|                                    |              |
|------------------------------------|--------------|
| Performance ambient temperature Tq | 25 °C        |
| Maximum dim level                  | Programmable |

#### Product Data

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Order product name              | BGP203 LED50/740 I DW DDF2 48/60A |
| Full product name               | BGP203 LED50/740 I DW DDF2 48/60A |
| Full product code               | 871869631905500                   |
| Order code                      | 910925452239                      |
| Material Nr. (12NC)             | 910925452239                      |
| Numerator - Quantity Per Pack   | 1                                 |
| EAN/UPC - Product/Case          | 8718696319055                     |
| Numerator - Packs per outer box | 1                                 |
| EAN/UPC - Case                  | 8718696319055                     |

## Dimensional drawing

