



# UniStreet

## BGP243 LED70-4S/740 I DM50 D9 48/60A

UniStreet Medium, LED module 7000 lm, 740 neutral white, Safety class I, Distribution medium 50, Flat glass, Side-entry for diameter 48 to 60 mm

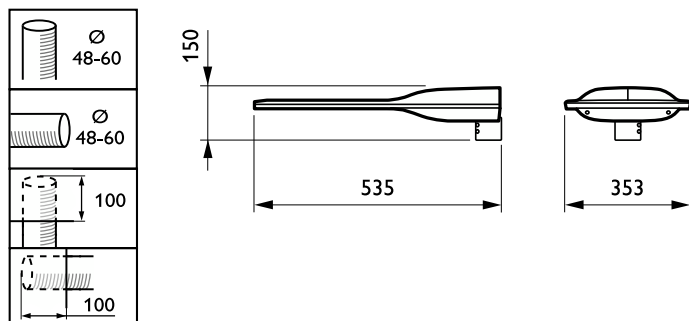
At relatively low initial cost, the highly efficient LED-based UniStreet luminaire offers significant cost savings compared with conventional street lighting, ensuring full payback within a short period of time. Available in a choice of lumen packages, UniStreet allows point-to-point replacement of outdated conventional light sources and luminaires. The compact, slim luminaire is made of quality recyclable materials. And being a LED solution, it requires little maintenance.

### Product data

| General Information              |                                                                                                    | EU RoHS compliant |  |
|----------------------------------|----------------------------------------------------------------------------------------------------|-------------------|--|
| Lamp family code                 | LED70 [LED module 7000 lm]                                                                         | Yes               |  |
| Light source replaceable         | Yes                                                                                                |                   |  |
| Number of gear units             | Unit                                                                                               |                   |  |
| Driver included                  | Yes                                                                                                |                   |  |
| Remarks                          | * At extreme ambient temperatures the luminaire might automatically dim down to protect components |                   |  |
| Light source engine type         | LED                                                                                                |                   |  |
| Product family code              | BGP243 [UniStreet Medium]                                                                          |                   |  |
| Lighting Technology              | LED                                                                                                |                   |  |
| CE mark                          | Yes                                                                                                |                   |  |
| Warranty period                  | 5 years                                                                                            |                   |  |
| Flammability mark                | For mounting on normally flammable surfaces                                                        |                   |  |
| ENEC mark                        | ENEC mark                                                                                          |                   |  |
| Light Technical                  |                                                                                                    |                   |  |
| Upwards light output ratio       | 0                                                                                                  |                   |  |
| Luminous Flux                    | 6,160 lm                                                                                           |                   |  |
| Standard tilt angle post-top     | 0°                                                                                                 |                   |  |
| Standard tilt angle side entry   | 0°                                                                                                 |                   |  |
| Correlated Colour Temperature    | 4000 K                                                                                             |                   |  |
| Luminous efficacy (rated) (nom.) | 148 lm/W                                                                                           |                   |  |
| Colour rendering index (CRI)     | 70                                                                                                 |                   |  |
| Light source colour              | 740 neutral white                                                                                  |                   |  |
| Optical cover type               | Flat glass                                                                                         |                   |  |
| Luminaire light beam spread      | 154° - 31° x 54°                                                                                   |                   |  |
| Optic type outdoor               | Distribution medium 50                                                                             |                   |  |

|                                             |                                       |
|---------------------------------------------|---------------------------------------|
| <b>Operating and Electrical</b>             |                                       |
| Input Voltage                               | 230 V                                 |
| Line Frequency                              | 50 to 60 Hz                           |
| Initial CLO power consumption               | 0 W                                   |
| Average CLO power consumption               | [DELETE] W                            |
| End CLO power consumption                   | [DELETE] W                            |
| Inrush current                              | 46 A                                  |
| Inrush time                                 | 0.25 ms                               |
| Power Consumption                           | 41.5 W                                |
| Power Factor (Fraction)                     | 0.96                                  |
| Connection                                  | Connection unit 5-pole                |
| Cable                                       | -                                     |
| Number of products on MCB of 16 A type B 11 |                                       |
| <b>Temperature</b>                          |                                       |
| Ambient temperature range                   | -40 to +50 °C                         |
| <b>Controls and Dimming</b>                 |                                       |
| Dimmable                                    | Yes                                   |
| Driver/power unit/transformer               | Power supply unit with DALI interface |
| Control interface                           | DALI                                  |
| Constant light output                       | No                                    |
| <b>Mechanical and Housing</b>               |                                       |
| Housing material                            | Aluminium die cast                    |
| Reflector material                          | Polycarbonate                         |
| Optic material                              | Polycarbonate                         |
| Optical cover/lens material                 | Polycarbonate                         |
| Fixation material                           | Aluminium                             |
| Housing Colour                              | Grey                                  |
| Mounting device                             | Side-entry for diameter 48 to 60 mm   |
| Optical cover/lens shape                    | Curved                                |
| Optical cover/lens finish                   | Clear                                 |
| Overall length                              | 580 mm                                |
| Overall width                               | 353 mm                                |

## Dimensional drawing



|                                              |                                              |
|----------------------------------------------|----------------------------------------------|
| Overall height                               | 98 mm                                        |
| Overall diameter                             | 0 mm                                         |
| Effective projected area                     | 0.42 m²                                      |
| Dimensions (height x width x depth)          | 98 x 353 x 580 mm                            |
| <b>Approval and Application</b>              |                                              |
| 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                               |
| <b>Initial Performance (IEC Compliant)</b>   |                                              |
| Luminous flux tolerance                      | +/-7%                                        |
| Initial chromaticity                         | (0.38, 0.38) SDCM <5                         |
| Power consumption tolerance                  | +/-10%                                       |
| Init. Color Rendering Index Tolerance        | +/-2                                         |
| <b>Over Time Performance (IEC Compliant)</b> |                                              |
| Driver failure rate at 5,000 hours           | 0.50 %                                       |
| <b>Application Conditions</b>                |                                              |
| Maximum dim level                            | 0% (digital)                                 |
| <b>Product Data</b>                          |                                              |
| Order product name                           | BGP243 LED70-4S/740 I DM50 D9 48/60A         |
| Full product name                            | BGP243 LED70-4S/740 I DM50 D9 48/60A         |
| Full EOC                                     | 871869698837400                              |
| Order code                                   | 98837400                                     |
| Material no. (12 NC)                         | 910925866128                                 |
| SAP numerator – quantity per pack            | 1                                            |
| EAN/UPC – Product/Case                       | 8718696988374                                |
| Numerator – packs per outer box              | 1                                            |
| EAN/UPC – Case                               | 8718696988374                                |

