# **PHILIPS** Lighting



# UniStreet

# BGS243 LED70-4S/740 II DM11 48/76A

UniStreet Medium, LED module 7000 lm, 740 neutral white, Safety class II, Distribution medium 11, Flat glass, Universal for diameter 48 to 76 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 Available in a choice of lumen packages, UniStreet allows point-to-point replacement of outdated conventional light sources and luminaires.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         | LED70 [LED module 7000 lm]                      |
| Light source replaceable | Yes   |
| Number of gear units     | 1 unit  |
| Driver included          | Yes   |
| 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         | BGS243 [UniStreet Medium]          |
|-----------------------------|------------------------------------|
| Lighting Technology         | LED                                |
| Flammability mark           | For mounting on normally flammable |
|                             | surfaces                           |
| CE mark                     | Yes                                |
| ENEC mark                   | ENEC mark                          |
| Warranty period             | 5 years                            |
| EU RoHS compliant           | Yes                                |
|                             |                                    |
| Light Technical             |                                    |
| Upward light output ratio   | 0                                  |
| Luminous Flux               | 6,230 lm                           |
| Standard tilt angle posttop | 0°                                 |
|                             |                                    |

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| Standard tilt angle side entry     | 0°                     |
|------------------------------------|------------------------|
| Correlated Color Temperature (Nom) | 4000 K                 |
| Luminous Efficacy (rated) (Nom)    | 150 lm/W               |
| Color rendering index (CRI)        | 70                     |
| Light source color                 | 740 neutral white      |
| Optical cover type                 | Flat glass             |
| Luminaire light beam spread        | 80° x 80°              |
| Optic type outdoor                 | Distribution medium 11 |

#### **Operating and Electrical**

| Input Voltage                          | 220 to 240 V           |
|--|------------------------|
| Line Frequency                         | 50 to 60 Hz            |
| 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 | 11                     |
| В                                      |                        |
|  |                        |
| Temperature                            |                        |

Ambient temperature range

| Controls and Dimming          |                            |
|-------------------------------|----------------------------|
| Dimmable                      | No                         |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Control interface             | -                          |
| Constant light output         | No                         |

-40 to +50 °C

#### Mechanical and Housing

| Housing Material       | Aluminum die cast                  |
|------------------------|------------------------------------|
| Reflector material     | Polycarbonate                      |
| Optic material         | Polycarbonate                      |
| Optical cover material | Polycarbonate                      |
| Fixation material      | Aluminum                           |
| Housing Color          | Grey                               |
| Mounting device        | Universal for diameter 48 to 76 mm |
|                        | adjustable                         |
| 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 | 10 % |
|--|------|
| life 100000 h                              |      |
| Lumen maintenance at median useful         | L95  |
| life* 100000 h                             |      |

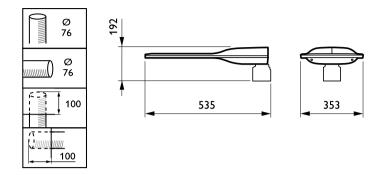
#### **Application Conditions**

| Performance ambient temperature Tq | 25 ℃                               |
|------------------------------------|------------------------------------|
| Maximum dim level                  | Not applicable                     |
|                                    |                                    |
| Product Data                       |                                    |
| Order product name                 | BGS243 LED70-4S/740 II DM11 48/76A |
| Full product name                  | BGS243 LED70-4S/740 II DM11 48/76A |
| Full product code                  | 871869699627000                    |

| Order code                      | 910925865148  |
|---------------------------------|---------------|
| Material Nr. (12NC)             | 910925865148  |
| Numerator - Quantity Per Pack   | 1             |
| EAN/UPC - Product/Case          | 8718696996270 |
| Numerator - Packs per outer box | 1             |
| EAN/UPC - Case                  | 8718696996270 |

## UniStreet

#### Dimensional drawing





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