



UniStreet

BGP243 LED160/740 II DM D9 48/60A

UniStreet Medium, LED module 16000 lm, 740 neutral white, Safety class II, Distribution medium, 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 Available in a choice of lumen packages, UniStreet allows point-to-point replacement of outdated conventional light sources and luminaires.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 | |
|--------------------------|--|
| Lamp family code | LED160 [LED module 16000 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 | BGP243 [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 | 13,966 lm |
| Standard tilt angle posttop | 0° |

| | |
|------------------------------------|---------------------|
| Standard tilt angle side entry | 0° |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 109 lm/W |
| Color rendering index (CRI) | 70 |
| Light source color | 740 neutral white |
| Optical cover type | Flat glass |
| Luminaire light beam spread | 74° x 74° |
| Optic type outdoor | Distribution medium |

Operating and Electrical

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|--|------------------------|
| Input Voltage | 230 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 | 53 A |
| Inrush time | 0.300 ms |
| Power Consumption | 128 W |
| Power Factor (Fraction) | 0.94 |
| Connection | Connection unit 5-pole |
| Cable | - |
| Number of products on MCB of 16 A type B | 8 |

Temperature

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

Controls and Dimming

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|-------------------------------|---------------------------------------|
| 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

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|--|--|
| 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)

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|---------------------------------------|----------------------|
| 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)

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|--|----------|
| Control gear failure rate at median useful life 100000 h | 10 % |
| Lumen maintenance at median useful life* L95 | 100000 h |

Application Conditions

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|------------------------------------|--------------|
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level | 0% (digital) |

Product Data

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|---------------------------------|-----------------------------------|
| Order product name | BGP243 LED160/740 II DM D9 48/60A |
| Full product name | BGP243 LED160/740 II DM D9 48/60A |
| Full product code | 871869698874900 |
| Order code | 910925864917 |
| Material Nr. (12NC) | 910925864917 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718696988749 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718696988749 |

Dimensional drawing

