



UniStreet gen2

BGP281 LED45-4S/740 I DM12 D9SRG10 48/60

UniStreet gen2 Micro, LED Module 4500 lm, 740 neutral white, Safety class I, Distribution medium 12, Side-entry for diameter 48 to 60 mm

Designed for large-scale ledification projects, the UniStreet gen2 is the ideal 1:1 luminaire replacement for municipalities. Thanks to its high efficiency and low initial cost, the UniStreet gen2 luminaire enables a fast payback and significant savings in terms of energy consumption within a short period of time. The ease of installation and maintenance is enabled by the Philips Service tag and the Philips SR (System Ready) socket makes it future-ready and you can pair this luminaire with lighting control and software applications such as Interact City. Available with a number of different optics and lumen packages that can even be tuned further to fit exact project requirements, UniStreet gen2 is a true point-to-point replacement solution for conventional light sources. The compact luminaire, using high-quality materials is also easy to dismantle and recycle at the end of its lifetime.

Product data

| General Information | | Lighting Technology | |
|--------------------------|--|---------------------------|---|
| Lamp family code | LED45 [LED Module 4500 lm] | Lighting Technology | LED |
| Light source replaceable | Yes | Value ladder | Specification |
| Number of gear units | 1 unit | CE mark | Yes |
| Driver included | Yes | Warranty period | 5 years |
| Remarks | * At extreme ambient temperatures the luminaire might automatically dim down to protect components | Flammability mark | For mounting on normally flammable surfaces |
| Light source engine type | LED | ENEC mark | ENEC plus mark |
| Service tag | Yes | EU RoHS compliant | Yes |
| Product family code | BGP281 [UniStreet gen2 Micro] | Light Technical | |
| | | Upward light output ratio | 0 |

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|------------------------------------|------------------------|
| Luminous Flux | 4,005 lm |
| Standard tilt angle posttop | 0° |
| Standard tilt angle side entry | 0° |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 143 lm/W |
| Color rendering index (CRI) | 70 |
| Light source color | 740 neutral white |
| Optical cover type | Flat glass |
| Luminaire light beam spread | 53° x 71° |
| Optic type outdoor | Distribution medium 12 |

Operating and Electrical

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|--|----------------------------|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 21 A |
| Inrush time | 0.225 ms |
| Power Consumption | 28 W |
| Power Factor (Fraction) | 0.97 |
| Connection | 2 Push-in connector 5-pole |
| Cable | - |
| Number of products on MCB of 16 A type B | 26 |

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

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|------------------------|-------------------------------------|
| Housing Material | Aluminum die cast |
| Reflector material | Polycarbonate |
| Optic material | Polymethyl methacrylate |
| Optical cover material | Glass |
| Fixation material | Aluminum |
| Housing Color | Gray |
| Mounting device | Side-entry for diameter 48 to 60 mm |
| Optical cover shape | Flat |
| Optical cover finish | Clear |
| Overall length | 520 mm |
| Overall width | 234 mm |

| | |
|-------------------------------------|-------------------|
| Overall height | 95 mm |
| Effective projected area | 0.0235 m² |
| Dimensions (Height x Width x Depth) | 95 x 234 x 520 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) | Luminaire surge protection level until 10 kV differential mode and 10 kV common mode |
| Sustainability rating | Lighting for circularity |
| Protection class IEC | Safety class I |

Initial Performance (IEC Compliant)

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|---------------------------------------|------------------------|
| Luminous flux tolerance | +/-7% |
| Initial chromaticity | (0.381, 0.379) SDCM <5 |
| Power consumption tolerance | +/-10% |
| Init. Color Rendering Index Tolerance | +/-2 |

Over Time Performance (IEC Compliant)

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|--|-------|
| Driver failure rate at 5000 h | 0.5 % |
| Control gear failure rate at median useful life 100000 h | 10 % |
| Lumen maintenance at median useful life* 100000 h | L97 |

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 | BGP281 LED45-4S/740 I DM12 D9SRG10 48/60 |
| Full product name | BGP281 LED45-4S/740 I DM12 D9SRG10 48/60 |
| Full product code | 871869944941400 |
| Order code | 44941400 |
| Material Nr. (12NC) | 910925865675 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718699449414 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718699449414 |

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Dimensional drawing

