



LumiStreet

BGP214 ECO81/740 II DM CLO FQQ-2X1.5 48/

LumiStreet Large, LED EconomyLine 8100 lm, 740 neutral white, Safety class II, Distribution medium, Constant light output, Cable 10 m without plug, Universal for diameter 48 to 60 mm adjustable

Many local authorities today have an outdated public lighting installation that urgently needs to be replaced, yet have only a limited budget available. We have the answer to their needs. With its compact design and modern LED architecture, LumiStreet is a versatile, cost-effective luminaire that fulfils basic functional road lighting requirements. It is made of high-quality components that ensure long lifetime and low maintenance cost. The result? A road lighting luminaire that provides effective illumination while at the same time cutting energy and maintenance bills. Core version design for high-volume projects at relatively low initial budget. Offer limited range of optics. Performer version design for customer who are preparing big renovation projects, TCO oriented.

Product data

| General Information | | | |
|--------------------------|--|--------------------------|---|
| Lamp family code | ECO81 [LED EconomyLine 8100 lm] | | B10. Therefore, the median useful life (B50) value also represents the B10 value. |
| Light source replaceable | Yes | Light source engine type | LED |
| Number of gear units | 1 unit | Product family code | BGP214 [LumiStreet Large] |
| Driver included | Yes | Lighting Technology | LED |
| Photocell | - | Glow-wire test | Temperature 850 °C, duration 5 s |
| 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 | Flammability mark | - |
| | | CE mark | Yes |
| | | ENEC mark | ENEC mark |
| | | Warranty period | 5 years |
| | | EU RoHS compliant | No |

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|------------------|-----------------------|
| Embedded control | Constant light output |
|------------------|-----------------------|

Light Technical

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|------------------------------------|---------------------|
| Upward light output ratio | 0 |
| Luminous Flux | 5,645 lm |
| Standard tilt angle posttop | 0° |
| Standard tilt angle side entry | 0° |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 115 lm/W |
| Color rendering index (CRI) | 70 |
| Number of light sources | 5 |
| Light source color | 740 neutral white |
| Optical cover type | Flat glass |
| Luminaire light beam spread | 154° |
| Optic type outdoor | Distribution medium |

Operating and Electrical

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|--|-------------------------------|
| Input Voltage | 220–240 V |
| Line Frequency | 50 to 60 Hz |
| Initial CLO power consumption | 52 W |
| Average CLO power consumption | 58.5 W |
| End CLO power consumption | 65 W |
| Inrush current | 46 A |
| Inrush time | 0.25 ms |
| Power Consumption | 65 W |
| Power Factor (Fraction) | 0.95 |
| Connection | Screw connection block 3-pole |
| Cable | Cable 10 m without plug |
| Number of products on MCB of 16 A type B | 11 |

Temperature

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

Controls and Dimming

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|-------------------------------|----------------------------|
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Constant light output | Yes |

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 | 755 mm |
| Overall width | 355 mm |
| Overall height | 98 mm |
| Effective projected area | 0.04 m² |
| Dimensions (Height x Width x Depth) | 98 x 355 x 755 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 | (0.380, 0.380) 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* 100000 h | L100 |

Application Conditions

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|------------------------------------|-------|
| Performance ambient temperature Tq | 25 °C |
|------------------------------------|-------|

Product Data

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|---------------------------------|--|
| Order product name | BGP214 ECO81/740 II DM CLO FQQ-2X1.5 48/ |
| Full product name | BGP214 ECO81/740 II DM CLO FQQ-2X1.5 48/ |
| Full product code | 871869632029700 |
| Order code | 910925452328 |
| Material Nr. (12NC) | 910925452328 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718696320297 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718696320297 |

Dimensional drawing

