



# LumiStreet

## BGP214 ECO115/740 II DM CLO FQQ-2X1.5 48

LumiStreet Large, LED EconomyLine 11500 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Many local authorities today have an outdated public lighting installation that urgently needs to be replaced, yet have only a limited budget available.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         | ECO115 [LED EconomyLine 11500 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<br>"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  |

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

## Light Technical

|                                    |                     |
|------------------------------------|---------------------|
| Upward light output ratio          | 0                   |
| Luminous Flux                      | 8,262 lm            |
| Standard tilt angle posttop        | 0°                  |
| Standard tilt angle side entry     | 0°                  |
| Correlated Color Temperature (Nom) | 4000 K              |
| Luminous Efficacy (rated) (Nom)    | 110 lm/W            |
| Color rendering index (CRI)        | 70                  |
| Number of light sources            | 6                   |
| Light source color                 | 740 neutral white   |
| Optical cover type                 | Flat glass          |
| Luminaire light beam spread        | 154°                |
| Optic type outdoor                 | Distribution medium |

## Operating and Electrical

|  |                               |
|--|-------------------------------|
| Input Voltage                            | 220–240 V                     |
| Line Frequency                           | 50 to 60 Hz                   |
| Initial CLO power consumption            | 76 W                          |
| Average CLO power consumption            | 85.5 W                        |
| End CLO power consumption                | 95 W                          |
| Inrush current                           | 53 A                          |
| Inrush time                              | 0.3 ms                        |
| Power Consumption                        | 95 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 | 8                             |

## Temperature

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

## Controls and Dimming

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

|  |  |
|--|--|
| 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                  | (0.380, 0.380) SDCM <5 |
| Power consumption tolerance           | +/-10%                 |
| Init. Color Rendering Index Tolerance | +/-2                   |

## Over Time Performance (IEC Compliant)

|  |      |
|--|------|
| Control gear failure rate at median useful life 100000 h | 10 % |
| Lumen maintenance at median useful life* 100000 h        | L100 |

## Application Conditions

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

## Product Data

|                                 |  |
|---------------------------------|--|
| Order product name              | BGP214 ECO115/740 II DM CLO FQq-2X1.5 48 |
| Full product name               | BGP214 ECO115/740 II DM CLO FQq-2X1.5 48 |
| Full product code               | 871869632031000                          |
| Order code                      | 910925452320                             |
| Material Nr. (12NC)             | 910925452320                             |
| Numerator - Quantity Per Pack   | 1  |
| EAN/UPC - Product/Case          | 8718696320310                            |
| Numerator - Packs per outer box | 1  |
| EAN/UPC - Case                  | 8718696320310                            |

## Dimensional drawing

