



# LumiStreet

## BGP214 LED149-4S/740 I DM50 D9 48/60A

LumiStreet Large, LED module 14900 lm, 740 neutral white, Safety class I, Distribution medium, 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Many local authorities today have an outdated public lighting installation that urgently needs to be replaced, yet have only a limited budget available.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         | LED149 [LED module 14900 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                               |

|                  |   |
|------------------|---|
| Embedded control | - |
|------------------|---|

## Light Technical

|                                    |                     |
|------------------------------------|---------------------|
| Upward light output ratio          | 0                   |
| Luminous Flux                      | 12,900 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                  |
| Number of light sources            | 2                   |
| 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                   |
| Inrush current                           | 53 A                          |
| Inrush time                              | 0.3 ms                        |
| Power Consumption                        | 90 W                          |
| Power Factor (Fraction)                  | 0.97                          |
| Connection                               | Screw connection block 3-pole |
| Cable                                    | -                             |
| Number of products on MCB of 16 A type B | 8                             |

## Temperature

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

## Controls and Dimming

|                               |                                       |
|-------------------------------|---------------------------------------|
| 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 | Tempered glass    |
| Fixation material      | Aluminum          |
| Housing Color          | Gray              |

|                                     |                                               |
|-------------------------------------|-----------------------------------------------|
| 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 I                               |

## Initial Performance (IEC Compliant)

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

|                                                          |      |
|----------------------------------------------------------|------|
| Control gear failure rate at median useful life 100000 h | 10 % |
| Lumen maintenance at median useful life* 100000 h        | L92  |

## Application Conditions

|                                    |       |
|------------------------------------|-------|
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level                  | 10%   |

## Product Data

|                                 |                                       |
|---------------------------------|---------------------------------------|
| Order product name              | BGP214 LED149-4S/740 I DM50 D9 48/60A |
| Full product name               | BGP214 LED149-4S/740 I DM50 D9 48/60A |
| Full product code               | 871869634890100                       |
| Order code                      | 910925863480                          |
| Material Nr. (12NC)             | 910925863480                          |
| Numerator - Quantity Per Pack   | 1                                     |
| EAN/UPC - Product/Case          | 8718696348901                         |
| Numerator - Packs per outer box | 1                                     |
| EAN/UPC - Case                  | 8718696348901                         |

Dimensional drawing

