



# **ClearWay**

## BGP303 LED18-4S/740 PSR I DM50 D9 STD 42

ClearWay, LED module 1800 lm, 740 neutral white, Power supply unit regulating, Safety class I, Distribution medium, Philips standard surge protection level, Universal for diameter 42 to 60 mm

LED technology represents a breakthrough in lighting in many different respects. The light quality provided by LEDs, for example, has made our roads safer, while the tremendous efficacy of LEDs is helping cities reduce their energy bills. At Philips, we believe we can make even more roads safer, and help more municipalities achieve their goal of reducing energy consumption. That's why we have developed ClearWay – a LED road luminaire that is affordable yet does not compromise on light quality and energy efficiency.

#### **Product data**

| General Information      |                                    |
|--------------------------|------------------------------------|
| Lamp family code         | LED18 [LED module 1800 lm]         |
| Light source replaceable | No                                 |
| Number of gear units     | 1 unit                             |
| Gear                     | EBD [Electronic regulating DALI]   |
| Driver included          | Yes                                |
| Photocell                | -                                  |
| Light source engine type | LED                                |
| Product family code      | BGP303 [ClearWay]                  |
| Lighting Technology      | LED                                |
| Glow-wire test           | Temperature 960 °C, duration 5 s   |
| Flammability mark        | For mounting on normally flammable |
|                          | surfaces                           |
| 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                      | 1,602 lm  |
| Standard tilt angle posttop        | 0°        |
| Standard tilt angle side entry     | 0°        |
| Correlated Color Temperature (Nom) | 4000 K    |
| Luminous Efficacy (rated) (Nom)    | 123 lm/W  |
| Color rendering index (CRI)        | >70       |
| Number of light sources            | 1         |

Datasheet, 2023, September 4 data subject to change

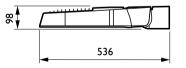
## ClearWay

| Light source color                       | 740 neutral white                  |
|--|------------------------------------|
| Optical cover type                       | Flat glass                         |
| Luminaire light beam spread              | 150° x 62°                         |
| Optic type outdoor                       | Distribution medium                |
| Operating and Electrical                 |                                    |
| Input Voltage                            | 220-240 V                          |
| Line Frequency                           | 50 to 60 Hz                        |
| Inrush current                           | 22 A                               |
| Inrush time                              | 0.29 ms                            |
| Power Consumption                        | 13 W                               |
| Power Factor (Fraction)                  | 0.91                               |
| Connection                               | Screw connection block 5-pole      |
| Cable                                    | -                                  |
| Number of products on MCB of 16 A type E | 3 20                               |
| Temperature                              |                                    |
| Ambient temperature range                | -30 to +35 °C                      |
|  |                                    |
| Controls and Dimming                     |                                    |
| Dimmable                                 | Yes                                |
| Driver/power unit/transformer            | Power supply unit regulating       |
| Control interface                        | DALI                               |
| Constant light output                    | No                                 |
|  |                                    |
| Mechanical and Housing                   |                                    |
| Housing Material                         | Aluminum                           |
| Reflector material                       | Polycarbonate                      |
| Optic material                           | Acrylate                           |
| Optical cover material                   | Tempered glass                     |
| Fixation material                        | Steel                              |
| Housing Color                            | Grey                               |
| Mounting device                          | Universal for diameter 42 to 60 mm |
| Optical cover shape                      | Flat                               |
| Optical cover finish                     | Clear                              |
| Overall length                           | 481 mm                             |
| Overall width                            | 330 mm                             |
|  |                                    |

| Overall height                         | 97 mm  |
|--|--|
| Effective projected area               | 0.029 m²                                     |
| Dimensions (Height x Width x Depth)    | 97 x 330 x 481 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                   | (0.380, 0.380) SDCM <5                       |
| Power consumption tolerance            | +/-10%                                       |
| Init. Color Rendering Index Tolerance  | +/-2   |
|  |  |
| Over Time Performance (IEC Compli      | ant)   |
| Driver failure rate at 5000 h          | 0.5 %  |
|  |  |
| Application Conditions                 |  |
| Maximum dim level                      | 0% (digital)                                 |
|  |  |
| Product Data                           |  |
| Order product name                     | BGP303 LED18-4S/740 PSR I DM50 D9 STD        |
|  | 42   |
| Full product name                      | BGP303 LED18-4S/740 PSR I DM50 D9 STD        |
|  | 42   |
| Full product code                      | 871869637239500                              |
| Order code                             | 910925452112                                 |
| Material Nr. (12NC)                    | 910925452112                                 |
| Numerator - Quantity Per Pack          | 1  |
| EAN/UPC - Product/Case                 | 8718696372395                                |
|  |  |
| Numerator - Packs per outer box        | 1  |

#### Dimensional drawing





#### ClearWay



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