



Versatile and cost-efficient LED lighting

ClearWay gen2

ClearWay gen2 enables you to enjoy the benefits of LED technology right from the start. This new second generation of the luminaire builds on the strengths of its predecessor and is designed to further minimise your Total Cost of Ownership. ClearWay gen2 significantly improves the most important aspects of the street lighting experience compared to conventional lighting. Ideal for new streets and for renovating existing installations, this affordable range of lighting solutions combines clean, high-quality light with significant energy and maintenance savings. In short, ClearWay gen2 means good-quality light with all the added benefits of LED – energy savings and long lifetime. Offering more benefits, yet packaged in a thinner and lighter design, which makes it easier to install.

Benefits

- All the benefits packaged into one single luminaire architecture
- Easy to install
- Low initial cost
- Reasonable Total Cost of Ownership
- Equipped with a service tag, a QR-based identification system that makes each luminaire uniquely identifiable and provides maintenance, installation and spare part information

Features

- One flexible design variant offering different options depending on the needs of the application
- Compact and efficient design
- Tilt regulation without needing to open the cover
- ClearWay gen2 is also equipped with dedicated light recipes that preserve a dark night sky.

Application

- Urban and residential roads
- Cycle and pedestrian paths
- Minor roads

Specifications

| | |
|--|--|
| Type | BGP307 |
| Light source | Integral LED-module |
| Power | 5.9 to 82 W (depending on the version) |
| Luminous flux | Core version from 2,250 to 9,460 lm (system) Performer version: from 700 to 10,920 lm (system) |
| Luminaire efficacy | Up to 150 lm/W (depending on the version) |
| Correlated Colour | Core: |
| Temperature | Neutral white (NW): 4,000 K Performer Warm white (WW): 3,000 K Neutral white (NW): 4,000 K |
| Colour Rendering Index | NW: 70 WW: 80 |
| Lumen maintenance at median useful life* 100,000 h | Performer: up to L97 Core: min L80 |
| Control gear failure rate at median useful life 100,000 h | 10% |
| Performance Ambient Temperature Tq | +25 °C |
| Operating temperature range | -30 to +35 °C (wider range upon request) |
| Driver | Built-in (self-ballasted LED-module) |
| Mains voltage | 220-240 V / 50-60 Hz |
| Dimming | LightWave CityTouch LineSwitch CodedMains LumiStep DynaDimmer MainsDimming |
| Options | System-Ready Interface Nema Socket 5 PIN Nema Socket 7 PIN Constant light output (CLO) External cable 4, 6, 8, 10, 12, 15, 22 m Surge protection device (up to 10 kV) Backlight louvre (BL1 and BL2) for some optics |

| | |
|-------------------------|--|
| Optic | Core version: Distribution Medium (DM) or Distribution Wide (DW) Performer version: Distribution Narrow (DN10), Distribution Medium (DM10, DM11, DM12, DM50), Distribution Wide (DW10) Other premium optics for performer upon request |
| Material | Housing: die-cast aluminium, high-pressure Cover: glass, thermally hardened, 5 mm |
| Colour | Standard light grey, (RAL7035), other colours upon request |
| Connection | Screw connection block or cable or, as option, an external IP connector |
| Maintenance | Opening cover with 2 screws The Philips Service tag will help to identify the product and share all product information on the spot |
| Installation | Side entry mounting: Ø 32-48 or 48-60 mm Post-top mounting: Ø 32-48, 48-60 or 76 mm Optional spigot insert (reducer) Recommended mounting height: 4-18 m Standard tilt angle post top: +0 to 15° Standard tilt angle side entry: +15 to -90° Max SCx: 0,0203 m² |
| SR compatibility | Luminaire prepared for SR drivers and sockets, offering a standardised, futureproof platform for connectivity and sensors. For SR-based luminaires, only SR-Certified components/sensors are to be used (see also: http://www.lighting.philips.co.uk/oem-emea/products/driving-connected-lighting). Functional compatibility of 2 (SR-certified) components/sensors to be used in combination as well as to override the possibility of any lineswitch function used in an SR-based luminaire, is to be released by the master component/sensor supplier. For the use of a NEMA 7-pin socket on an SR-based luminaire, a full system verification is required. Not following this advice can/will cause risk of damage and non-compliance for which Signify cannot take any responsibility. |

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Versions



ClearWay gen2 - LED Module
2,500 lm - 740 neutral white -
Safety class I - Distribution
medium - Universal for diameter
48 to 60 mm adjustable



ClearWay gen2 - LED module 1800
lm - 740 neutral white - Safety
class I - Distribution medium 50 -
Universal for diameter 48 to 60
mm adjustable

Application Conditions

Maximum dim level Not applicable

Approval and Application

Mech. impact protection code IK08
Surge Protection (Common/
Differential) Philips standard
surge protection
level kV

Controls and Dimming

Dimmable No

General Information

CE mark CE mark
Light source colour 740 neutral white
Optical cover/lens type FG
Driver included Yes
Flammability mark NO
Light source replaceable Yes
Number of gear units 1 unit
Product Family Code BGP307

Initial Performance (IEC Compliant)

Init. Corr. Colour Temperature 4000 K
Init. Colour Rendering Index 70

Light Technical

Standard tilt angle side entry 0°
Standard tilt angle posttop 0°
Upward light output ratio 0

Mechanical and Housing

Colour Grey

General Information

| Order Code | Full Product Name | Luminaire light beam spread | Lamp | | Optical element |
|------------|--|--------------------------------|----------------|---------------------------|--------------------|
| | | | family code | Optic type | |
| 98793300 | BGP307 LED109/740 II DM 48/60S | 42° x 44° | LED109 | Distribution medium | VD |
| 98800800 | BGP307 LED45-4S/740 I DM50 48/60S | 154° - 31° x 54° | LED45 | Distribution medium 50 | - |
| 98802200 | BGP307 LED69-4S/740 I DM50 48/60S | 154° - 31° x 54° | LED69 | Distribution medium 50 | - |
| 98803900 | BGP307 LED84-4S/740 I DM50 48/60S | 154° - 31° x 54° | LED84 | Distribution medium 50 | - |
| 98806000 | BGP307 LED120-4S/740 I DM50 48/60S | 154° - 31° x 54° | LED120 | Distribution medium 50 | - |
| 98707000 | BGP307 LED109-4S/740 II DM50 48/60S | 154° - 31° x 54° | LED109 | Distribution medium 50 | - |

Initial Performance (IEC Compliant)

| Order Code | Full Product Name | Initial luminous flux | Order Code | Full Product Name | Initial luminous flux |
|------------|-----------------------------------|-----------------------|------------|-----------------------------------|-----------------------|
| 98793300 | BGP307 LED109/740 II DM 48/60S | 9460 lm | 98802200 | BGP307 LED69-4S/740 I DM50 48/60S | 6160 lm |
| 98800800 | BGP307 LED45-4S/740 I DM50 48/60S | 3960 lm | 98803900 | BGP307 LED84-4S/740 I DM50 48/60S | 7308 lm |

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| Order Code | Full Product Name | Initial luminous flux | Order Code | Full Product Name | Initial luminous flux |
|------------|------------------------------------|-----------------------|------------|-------------------------------------|-----------------------|
| 98806000 | BGP307 LED120-4S/740 I DM50 48/60S | 10200 lm | 98707000 | BGP307 LED109-4S/740 II DM50 48/60S | 9460 lm |

