



ClearWay – economical LED performance

ClearWay

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.

Benefits

- Low initial investment
- Premium light quality
- Significant energy savings

Features

- Dedicated design for LED technology
- Long lifetime
- Low energy consumption compared to conventional luminaires

Application

- Major roads
- Residential roads and streets

Specifications

| | |
|--------------------|--|
| Type | BGP303 |
| Light source | Integral LED-module |
| Power (+/-10%) | 15, 20, 29, 42, 58, 80, 110 W |
| Luminous flux | 1602, 2047, 3080, 4385, 6426, 8366 or 10332 lm |
| Luminaire efficacy | >95 lm/W |

| | |
|--------------------------------------|--------------|
| Correlated Color | 4000 K |
| Temperature | |
| Color Rendering Index | >70 |
| Maintenance of lumen output - L80F10 | 50,000 hours |

| | |
|-----------------------------|---|
| Operating temperature range | -30 to +25 °C |
| Driver | Built-in (self ballasted LED-module) |
| Power/Data supply | PSU, PSR, PSD |
| Mains voltage | 220-240 V / 50-60 Hz |
| Inrush current | 120 A / 277 µs |
| Optic | Medium beam |
| Optical cover | Glass, flat |
| Material | Housing: high-pressure, die-cast aluminum |
| Color | Grey (RAL 7035) |

| | |
|--------------|--|
| Maintenance | Opening with screw |
| Installation | Side entry : Ø 42/60 or 76 |
| | Post top : Ø 42/60 or 76 |
| | Recommended mounting height: 4 to 12 m |
| | Standard tilt angle post top: 5° |
| | Adjustable tilt angle: |
| | - Post top 42-60 and 76: 0, 5°, 10°, 15° |
| | - Side entry 42-60: -15°, -10°, -5°, 0, 5°, 10°, 15° |
| | Adjustable light distribution: N/A |
| | Max SCx: 0,029 m |

Versions



ClearWay - LED module 1800 lm - 3rd generation, screw fixation

Application Conditions

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|-------------------|--------------|
| Maximum dim level | 0% (digital) |
|-------------------|--------------|

Approval and Application

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

Controls and Dimming

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|----------|-----|
| Dimmable | Yes |
|----------|-----|

General Information

| | |
|-----------------------------|---------------------|
| Luminaire light beam spread | 150° x 62° |
| CE mark | - |
| Coating | - |
| Light source colour | 740 neutral white |
| Country version | NO |
| Optical cover/lens type | FG |
| Driver included | Yes |
| ENEC mark | ENEC mark |
| Flammability mark | F |
| Gear | EBD |
| Gland material | Cable gland plastic |
| Glow-wire test | 960/5 |
| Light source replaceable | No |
| Lamp version | 4S |
| Number of gear units | 1 unit |
| Number of light sources | 1 |
| Product Family Code | BGP303 |
| Standard RAL colour | Pale gray |

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 | Gray |
|--------|------|

General Information

| Order Code | Full Product Name | Lamp family code | Optic type |
|------------|--|------------------|------------------------|
| 37239500 | BGP303 LED18-4S/740 PSR I DM50 D9 STD 42 | LED18 | Distribution medium |
| 37240100 | BGP303 LED25-4S/740 PSR I DM50 D9 STD 42 | LED25 | Distribution medium |
| 37241800 | BGP303 LED35-4S/740 PSR I DM50 D9 STD 42 | LED35 | Distribution medium |
| 37242500 | BGP303 LED54-4S/740 PSR I DM50 D9 STD 42 | LED54 | Distribution medium |
| 37243200 | BGP303 LED69-4S/740 PSR I DM50 D9 STD 42 | LED69 | Distribution medium |
| 37244900 | BGP303 LED99-4S/740 PSR I DM50 D9 STD 42 | LED99 | Distribution medium |
| 37246300 | BGP303 LED18-4S/740 PSR II DM50 D9 STD 4 | LED18 | Distribution medium 50 |
| 37247000 | BGP303 LED25-4S/740 PSR II DM50 D9 STD 4 | LED25 | Distribution medium |
| 37248700 | BGP303 LED35-4S/740 PSR II DM50 D9 STD 4 | LED35 | Distribution medium |
| 37249400 | BGP303 LED54-4S/740 PSR II DM50 D9 STD 4 | LED54 | Distribution medium |
| 37250000 | BGP303 LED69-4S/740 PSR II DM50 D9 STD 4 | LED69 | Distribution medium |

Initial Performance (IEC Compliant)

| Order Code | Full Product Name | Initial luminous flux | Order Code | Full Product Name | Initial luminous flux |
|------------|--|-----------------------|------------|--|-----------------------|
| 37239500 | BGP303 LED18-4S/740 PSR I DM50 D9 STD 42 | 1602 lm | 37246300 | BGP303 LED18-4S/740 PSR II DM50 D9 STD 4 | 1602 lm |
| 37240100 | BGP303 LED25-4S/740 PSR I DM50 D9 STD 42 | 2225 lm | 37247000 | BGP303 LED25-4S/740 PSR II DM50 D9 STD 4 | 2225 lm |
| 37241800 | BGP303 LED35-4S/740 PSR I DM50 D9 STD 42 | 3115 lm | 37248700 | BGP303 LED35-4S/740 PSR II DM50 D9 STD 4 | 3115 lm |
| 37242500 | BGP303 LED54-4S/740 PSR I DM50 D9 STD 42 | 4752 lm | 37249400 | BGP303 LED54-4S/740 PSR II DM50 D9 STD 4 | 4752 lm |
| 37243200 | BGP303 LED69-4S/740 PSR I DM50 D9 STD 42 | 6160 lm | 37250000 | BGP303 LED69-4S/740 PSR II DM50 D9 STD 4 | 6160 lm |
| 37244900 | BGP303 LED99-4S/740 PSR I DM50 D9 STD 42 | 8700 lm | | | |

