



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%)	13 to 87 W (depending on version)
Luminous flux	Nominal: 1800 to 12,000 lm (depending on the version) System: 1600 to 10,100 lm (depending on the version)
Luminaire efficacy	116 to 133 lm/W (depending on the version)

Correlated Color	4000 K
Temperature	(3000 K upon request)
Color Rendering Index	>70 >80 for 3000 K
Useful life	100,000 hours min L87B10 at 250C ambient temperature (depending on version)

Operating temperature range	-30 to +35 °C
Driver	Built-in (self-ballasted LED-module)
Power/Data supply	PSU, PSR, PSD
Mains voltage	220-240 V / 50-60 Hz
Optic	Distribution Narrow (DN10); Distribution Medium (DM11), Distribution Medium (DM50); Distribution Wide (DW10) Other optics upon request
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 m²

Versions



ClearWay BGP303 road-lighting luminaire



ClearWay BGP303 road-lighting luminaire

Application Conditions

Maximum dim level	Not applicable
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Approval and Application

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

Controls and Dimming

Dimmable	No
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General Information

Luminaire light beam spread	150° x 62°
CE mark	CE mark
Light source color	740 neutral white
Optical cover/lens type	FG
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	F
Light source replaceable	No
Number of gear units	1 unit
Optic type	Distribution medium 11
Product Family Code	BGP303

Initial Performance (IEC Compliant)

Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>70

Light Technical

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

Mechanical and Housing

Color	Gray
Length	600 mm

General Information

Order Code	Full Product Name	Lamp family code
34898400	BGP303 LED25-4S/740 PSU II DM11 C450CE 4	LED25
34899100	BGP303 LED35-4S/740 PSU II DM11 C450CE 4	LED35
34904200	BGP303 LED25-4S/740 PSU I DM11 C450CE 42	LED25
34905900	BGP303 LED35-4S/740 PSU I DM11 C450CE 42	LED35
34910300	BGP303 LED18-4S/740 PSU I DM11 42/60	LED18
34900400	BGP303 LED54-4S/740 PSU II DM11 C450CE 4	LED54
34901100	BGP303 LED84-4S/740 PSU II DM11 C450CE 4	LED84
34902800	BGP303 LED99-4S/740 PSU II DM11 C450CE 4	LED99
34903500	BGP303 LED120-4S/740 PSU II DM11 C450CE	LED120
34906600	BGP303 LED54-4S/740 PSU I DM11 C450CE 42	LED54
34907300	BGP303 LED84-4S/740 PSU I DM11 C450CE 42	LED84
34908000	BGP303 LED99-4S/740 PSU I DM11 C450CE 42	LED99
34909700	BGP303 LED120-4S/740 PSU I DM11 C450CE 4	LED120

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial luminous flux	Order Code	Full Product Name	Initial luminous flux
34898400	BGP303 LED25-4S/740 PSU II DM11 C450CE 4	2225 lm	34902800	BGP303 LED99-4S/740 PSU II DM11 C450CE 4	8700 lm
34899100	BGP303 LED35-4S/740 PSU II DM11 C450CE 4	3115 lm	34903500	BGP303 LED120-4S/740 PSU II DM11 C450CE	-
34904200	BGP303 LED25-4S/740 PSU I DM11 C450CE 42	2225 lm	34906600	BGP303 LED54-4S/740 PSU I DM11 C450CE 42	4752 lm
34905900	BGP303 LED35-4S/740 PSU I DM11 C450CE 42	3115 lm	34907300	BGP303 LED84-4S/740 PSU I DM11 C450CE 42	-
34910300	BGP303 LED18-4S/740 PSU I DM11 42/60	1602 lm	34908000	BGP303 LED99-4S/740 PSU I DM11 C450CE 42	8700 lm
34900400	BGP303 LED54-4S/740 PSU II DM11 C450CE 4	4752 lm	34909700	BGP303 LED120-4S/740 PSU I DM11 C450CE 4	-
34901100	BGP303 LED84-4S/740 PSU II DM11 C450CE 4	-			

