



ClearWay

BGP303 LED99-4S/740 PSR II DM50 D9 STD 4

ClearWay, LED module 9900 lm, 740 neutral white, Power supply unit regulating, Safety class II, 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		Light Technical	
Lamp family code	LED99 [LED module 9900 lm]	Upward light output ratio	0
Light source replaceable	No	Luminous Flux	8,700 lm
Number of gear units	1 unit	Standard tilt angle posttop	0°
Gear	EBD [Electronic regulating DALI]	Standard tilt angle side entry	0°
Driver included	Yes	Correlated Color Temperature (Nom)	4000 K
Photocell	-	Luminous Efficacy (rated) (Nom)	136 lm/W
Light source engine type	LED	Color rendering index (CRI)	>70
Product family code	BGP303 [ClearWay]	Number of light sources	1
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 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	46 A
Inrush time	0.25 ms
Power Consumption	64 W
Power Factor (Fraction)	0.96
Connection	Screw connection block 5-pole
Cable	-
Number of products on MCB of 16 A type B	11

Temperature

Ambient temperature range	-30 to +35 °C
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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

Dimensional drawing

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 II

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 Compliant)

Driver failure rate at 5000 h	0.5 %
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Application Conditions

Maximum dim level	0% (digital)
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Product Data

Order product name	BGP303 LED99-4S/740 PSR II DM50 D9 STD 4
Full product name	BGP303 LED99-4S/740 PSR II DM50 D9 STD 4
Full product code	871869637251700
Order code	910925452124
Material Nr. (12NC)	910925452124
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696372517
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696372517

