ClearWay

BGP303 LED98-3S/740 PSR II D9 STD 42/60

ClearWay, LED module 9800 lm, 740 neutral white, Power supply unit regulating, Safety class II, 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	LED98 [LED module 9800 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
Embedded control	–
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces

ENEC mark	ENEC mark
Glow-wire test	Temperature 960 ℃, duration 5 s
EU RoHS compliant	No

Light Technical

Upward light output ratio	0
Luminous Flux	8,342 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	103 lm/W
Color rendering index (CRI)	>70
Number of light sources	1
Light source color	740 neutral white
Optical cover type	Flat glass

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Luminaire light beam spread	–
Optic type outdoor	Distribution medium

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	82.7 W
Power Factor (Fraction)	0.97
Connection	Screw connection block 5-pole
Cable	–
Number of products on MCB of 16 A type B	8

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	Gray
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 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 %

Application Conditions

Maximum dim level	0% (digital)

Product Data

Order product name	BGP303 LED98-3S/740 PSR II D9 STD 42/60
Full product name	BGP303 LED98-3S/740 PSR II D9 STD 42/60
Full product code	871829187656400
Order code	87656400
Material Nr. (12NC)	910925438976
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718291876564
Numerator – Packs per outer box	1
EAN/UPC – Case	8718291876564