PHILIPS Lighting



ClearWay

BGP303 LED18-4S/740 PSR II DM50 D9 STD 4

ClearWay, LED module 1800 lm, 740 neutral white, Power supply unit regulating, Safety class II, Distribution medium 50, 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	LED18 [LED module 1800 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

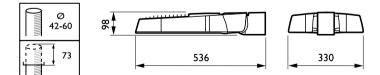
Flammability mark	For mounting on normally flammable
	surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 960 °C, duration 5 s
EU RoHS compliant	No
Light Technical	
Upward light output ratio	0
Luminous Flux	1,602 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	123 lm/W
Color rendering index (CRI)	>70

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Number of light sources	1
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	150° x 62°
Optic type outdoor	Distribution medium 50
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	22 A
Inrush time	0.29 ms
Power Consumption	13 W
Power Factor (Fraction)	0.91
Connection	Screw connection block 5-pole
Cable	-
Number of products on MCB of 16 A t	уре В 20
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	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
Overall height	97 mm
Effective projected area	0.029 m²
Dimensions (Height x Width x Depth)	97 x 330 x 481 mm
A survey of a surv	
Approval and Application	
Ingress protection code	IP66 [Dust penetration-protected, jet-proo
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
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Over Time Performance (IEC Compli	
	0.5 %
Over Time Performance (IEC Compli	
Over Time Performance (IEC Compli Driver failure rate at 5000 h	
Over Time Performance (IEC Compli Driver failure rate at 5000 h Application Conditions	0.5 %
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Over Time Performance (IEC Compli Driver failure rate at 5000 h Application Conditions Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	0.5 % 0% (digital) BGP303 LED18-4S/740 PSR II DM50 D9 STD 4 BGP303 LED18-4S/740 PSR II DM50 D9 STD 4 871869637246300 37246300 910925452119 1

Dimensional drawing



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