



# ClearWay

## BGP303 LED49-3S/740 PSU II DM C450CE 42/

ClearWay - LED module 4900 lm - 3rd generation, screw fixation - 740 neutral white - Power supply unit - Safety class II - Philips standard surge protection level - Cable 0.45 m with connector 2-pole - 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		Connection	
Number of light sources	1 pc	Connection	Screw connection block 5-pole
Lamp family code	LED49 [ LED module 4900 lm]	Cable	Cable 0.45 m with connector 2-pole
Lamp version	3S [ 3rd generation, screw fixation]	Protection class IEC	Safety class II
Light source color	740 neutral white	Standard RAL color	Light gray
Kombipack	Lamp(s) included	Coating	-
Light source replaceable	No	Ready-to-install	Ready-to-install
Number of gear units	1 unit	Glow-wire test	Temperature 960 °C, duration 5 s
Gear	EBP [ Electronic Primalume]	Flammability mark	For mounting on normally flammable surfaces
Driver/power unit/transformer	Power supply unit	Country version	NO [ Norway]
Driver included	Yes	CE mark	CE mark
Optical cover/lens type	Flat glass	ENEC mark	ENEC mark
Luminaire light beam spread	95° x 160°	Warranty period	3 years
Embedded control	-	Optic type outdoor	Distribution medium
Light regulation	-	Photocell	-
		Gland for mains supply	Cable gland 1x PG 13 mm

Gland material	Cable gland plastic
Constant light output	No
Number of products on MCB of 16 A type B	11
RoHS mark	-
WEEE mark	-
Light source engine type	LED
Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts
Product family code	BGP303 [ ClearWay]

## Light Technical

Light Distribution	Direct lighting
Upward light output ratio	0
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°

## Operating and Electrical

Input Voltage	220-240 V
Input Frequency	50 to 60 Hz
Inrush current	46 A
Inrush time	0.25 ms
Power Factor (Min)	0.97
Power Factor (Nom)	0.95

## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Housing Material	Aluminum
Reflector material	Polycarbonate
Optic material	Acrylate
Optical cover/lens material	Tempered glass
Fixation material	Steel
Mounting device	Universal for diameter 42 to 60 mm
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Torque	15
Overall length	481 mm

Overall width	330 mm
Overall height	97 mm
Effective projected area	0.029 m <sup>2</sup>

## 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

## Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	4328 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	101 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>70
Initial chromaticity	(0.380, 0.380) SDCM <5
Initial input power	42.5 W
Power consumption tolerance	+/-11%

## Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.5 %
Useful life L80B10	100000 h

## Application Conditions

Ambient temperature range	-30 to +35 °C
Average ambient temperature	25 °C

## Product Data

Full product code	871829187558100
Order product name	BGP303 LED49-3S/740 PSU II DM C450CE 42/
EAN/UPC - Product	8718291875581
Order code	910925438855
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910925438855
Net Weight (Piece)	7.030 kg

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