



# ClearWay

## BGP303 LED98-3S/740 PSU II DM C450CE 42/

ClearWay, LED module 9800 lm, 740 neutral white, Power supply unit (On/Off), 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		Light Technical	
Lamp family code	LED98 [LED module 9800 lm]	Upward light output ratio	0
Light source replaceable	No	Luminous Flux	8,342 lm
Number of gear units	1 unit	Standard tilt angle posttop	0°
Gear	EBP [Electronic Primalume]	Standard tilt angle side entry	0°
Driver included	Yes	Correlated Color Temperature (Nom)	4000 K
Photocell	-	Luminous Efficacy (rated) (Nom)	103 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	3 years		
EU RoHS compliant	No		
Embedded control	-		

Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	95° x 160°
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	Cable 0.45 m with connector 2-pole
Number of products on MCB of 16 A type B 8	

#### Temperature

Ambient temperature range	-30 to +35 °C
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#### Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
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 m <sup>2</sup>
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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#### Product Data

Order product name	BGP303 LED98-3S/740 PSU II DM C450CE 42/
Full product name	BGP303 LED98-3S/740 PSU II DM C450CE 42/
Full product code	871829187560400
Order code	910925439011
Material Nr. (12NC)	910925439011
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291875604
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291875604

