PHILIPS

Lighting

ClearWay gen2

BGP307 LED30/740 I DM 48/60S

ClearWay gen2, LED module 3000 lm, 740 neutral white, Safety class I, Distribution medium, Universal for diameter 48 to 60 mm adjustable

The ClearWay Gen2 enables you to enjoy the benefits of LED technology for urban lighting right from the start. This new second generation of the luminaire builds on the strengths of its predecessor and is designed to further minimise your Total Cost of Ownership. The ClearWay Gen2 significantly improves the most important aspects of the street-lighting experience compared to conventional urban lighting. Ideal for new streets and for renovating existing installations, this affordable range of urban ClearWay lighting solutions combines clean design, high-quality light with significant energy and maintenance savings. In short, ClearWay Gen2 means good-quality light with all the added benefits of LED – energy savings and long lifetime. Offering more benefits, yet packaged in a thinner and lighter design which makes it easier to install.

Product data

General Information	
Lamp family code	LED30 [LED module 3000 lm]
Light source replaceable	Yes
Number of gear units	Unit
Driver included	Yes
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value. * At extreme ambient temperatures the luminaire might automatically dim down to protect components
Light source engine type	LED
Product family code	BGP307 [ClearWay gen2]
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark

ClearWay gen2

EU RoHS compliant	Yes

Light Technical

Upwards light output ratio	0
Luminous Flux	2,670 lm
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	124 lm/W
Colour rendering index (CRI)	70
Light source colour	740 neutral white
Optic type	-
Optical cover type	Flat glass
Luminaire light beam spread	42° x 44°
Optic type outdoor	Distribution medium

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
End CLO power consumption	- W
Inrush current	46 A
Inrush time	0.25 ms
Power Consumption	21.5 W
Power Factor (Fraction)	0.89
Connection	Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type B	11

Temperature

Ambient temperature range	-40 to +50 °C

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No

Mechanical and Housing

Housing material	Aluminium die cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Tempered glass
Fixation material	Aluminium
Housing Colour	Grey
Mounting device	Universal for diameter 48 to 60 mm adjustable
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	480 mm
Overall width	325 mm
Overall height	150 mm
Effective projected area	0.1151 m²
Dimensions (height x width x depth)	150 x 325 x 480 mm

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	Luminaire surge protection level up to 6 kV differential mode and 8 kV common mode
Sustainability rating	-
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 1 @ 200mm to EN62471
Photobiological risk specification	3.1 m

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.38, 0.38) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Driver failure rate at 5,000 hours	0.5 %
Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 100,000 h	L95

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

Product Data

Order product name	BGP307 LED30/740 I DM 48/60S
Full product name	BGP307 LED30/740 I DM 48/60S
Full EOC	871869698773500
Order code	98773500
Material no. (12 NC)	910925864561
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696987735
Numerator – packs per outer box	1
EAN/UPC - Case	8718696987735

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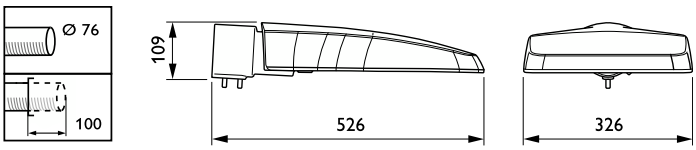
Dimensional drawing



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