



ClearWay gen2

BGP307 LED45-4S/740 II DM50 48/60A

ClearWay gen2 - LED Module 4500 lm - 740 neutral white - Safety class II - Distribution medium 50 - Universal for diameter 48 to 60 mm adjustable

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 minimize your Total Cost of Ownership. 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		Connection	Push-in connector 5-pole
Lamp family code	LED45 [LED Module 4500 lm]	Cable	-
Light source color	740 neutral white	Protection class IEC	Safety class II
Light source replaceable	Yes	Flammability mark	-
Number of gear units	1 unit	CE mark	CE mark
Driver/power unit/transformer	Power supply unit	ENEC mark	ENEC mark
Driver included	Yes	Warranty period	5 years
Optic type	-	Optic type outdoor	Distribution medium 50
Optical cover/lens type	Flat glass	Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there
Luminaire light beam spread	154° - 31° x 54°		
Control interface	-		

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	is no relevant difference in lumen maintenance between B50 and for example 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
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Constant light output	No
Number of products on MCB of 16 A type B	30
EU RoHS compliant	Yes
Light source engine type	LED
Product family code	BGP307 [ClearWay gen2]

Light technical

Upward light output ratio	0
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°

Operating and electrical

Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Inrush current	18 A
Inrush time	0.28 ms
Power Factor (Min)	0.97

Controls and dimming

Dimmable	No
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Mechanical and housing

Housing Material	Aluminum die cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Tempered glass
Fixation material	Aluminum
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 m ²
Color	Gray

Dimensions (Height x Width x Depth)	150 x 325 x 480 mm
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Approval and application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	Philips standard surge protection level
Sustainability rating	-

Initial performance (IEC compliant)

Initial luminous flux (system flux)	3960 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	141 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	70
Initial chromaticity	(0.38, 0.38) SDCM <5
Initial input power	28 W
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over time performance (IEC compliant)

Driver failure rate at 5000 h	0.5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* L97 100000 h	

Application conditions

Ambient temperature range	-40 to +50 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

Product data

Full product code	871869698702500
Order product name	BGP307 LED45-4S/740 II DM50 48/60A
EAN/UPC - Product	8718696987025
Order code	910925864601
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910925864601
Net Weight (Piece)	4.750 kg



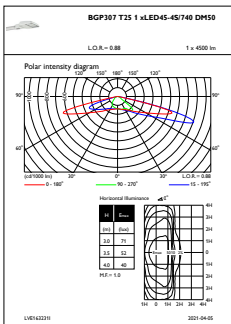
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Dimensional drawing

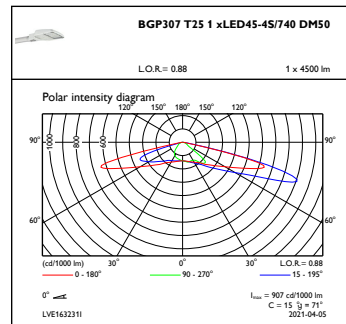


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Photometric data



OFPL1_BGP307T251xLED45-4S740DM50



OFPC1_BGP307T251xLED45-4S740DM50

