



ClearWay gen2

BGP307 LED84-4S/740 I DM50 48/60A

ClearWay gen2 - LED module 8400 lm - 740 neutral white - Safety class I - Distribution medium 50 - Universal for diameter 48 to 60 mm adjustable

ClearWay gen2 enables you to enjoy the benefits of LED technology 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 lighting. Ideal for new streets and for renovating existing installations, this affordable range of lighting solutions combines clean, 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		Light Technical	
Lamp family code	LED84 [LED module 8400 lm]	Flammability mark	-
Light source color	740 neutral white	CE mark	CE mark
Light source replaceable	No	ENEC mark	ENEC mark
Number of gear units	1 unit	Warranty period	5 years
Driver/power unit/transformer	Power supply unit	Optic type outdoor	Distribution medium 50
Driver included	Yes	Constant light output	No
Optical cover/lens type	Flat glass	Number of products on MCB of 16 A type B	11
Luminaire light beam spread	53° x 71°	RoHS mark	RoHS mark
Control interface	-	Light source engine type	LED
Connection	Push-in connector 5-pole	Product family code	BGP307 [ClearWay gen2]
Cable	-		
Protection class IEC	Safety class I	Upward light output ratio	0

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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	46 A
Inrush time	0.25 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	Polycarbonate
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

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)	7308 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	146 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	70
Initial chromaticity	(0.38, 0.38) SDCM <5
Initial input power	50 W
Power consumption tolerance	+/-11%

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.5 %
Useful life L80B10	100000 h
Lumen maintenance at useful life of 100000 h, at 25 °C	92

Application Conditions

Ambient temperature range	-40 to +35 °C
Maximum dim level	Not applicable

Product Data

Full product code	871869698803900
Order product name	BGP307 LED84-4S/740 I DM50 48/60A
EAN/UPC - Product	8718696988039
Order code	910925864591
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910925864591
Net Weight (Piece)	5.320 kg

