



ClearWay gen2

BGP307 LED120-4S/740 I DM50 DDF27 D18 48

ClearWay gen2 - LED module 12000 lm - 740 neutral white - Safety class I - Distribution medium 50 - Universal for diameter 48-60 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 minimise 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			
Lamp family code	LED120 [LED module 12000 lm]	Connection	Push-in connector 5-pole
Light source colour	740 neutral white	Cable	-
Light source replaceable	Yes	Protection class IEC	Safety class I
Number of gear units	1 unit	Flammability mark	NO [-]
Driver/power unit/transformer	PSDD [Power supply unit with DynaDimmer]	CE mark	CE mark
Driver included	Yes	ENEC mark	ENEC mark
Optic type	No [-]	Warranty period	5 years
Optical element	No [-]	Optic type outdoor	Distribution medium 50
Optical cover/lens type	FG [Flat glass]	Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen
Luminaire light beam spread	154° - 31° x 54°		
Control interface	-		

ClearWay gen2

	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
Constant light output	No
Number of products on MCB (16 A type B)	10
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 post-top	0°
Standard tilt angle side entry	0°

Operating and Electrical

Input Voltage	220 to 240 V
Input frequency	50 to 60 Hz
Inrush current	47 A
Inrush time	0.25 ms
Power factor (min.)	0.99

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Housing material	Aluminium die-cast
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Tempered glass
Fixation material	Aluminium
Mounting device	48/60A [Universal for diameter 48-60 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
Colour	Grey

Dimensions (height x width x depth)	150 x 325 x 480 mm (5.9 x 12.8 x 18.9 in)
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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 kV

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	10200 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	142 lm/W
Init. Corr. Colour Temperature	4000 K
Init. Colour rendering index	70
Initial chromaticity	(0.38, 0.38) SDCM <5
Initial input power	72 W
Power consumption tolerance	+/-11%
Init. colour rendering index tolerance	+/-2

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 100,000 h	L96

Application Conditions

Ambient temperature range	-40 to +50 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	0% (digital)

Product Data

Full product code	871869699613300
Order product name	BGP307 LED120-4S/740 I DM50 DDF27 D18 48
EAN/UPC – product	8718696996133
Order code	99613300
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	910925865134
SAP net weight (piece)	5.320 kg



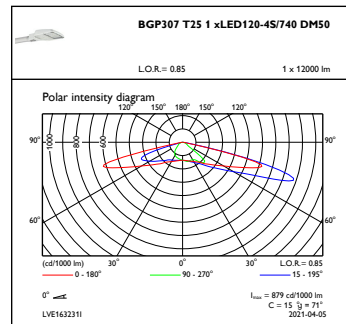
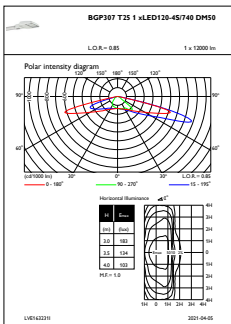
ClearWay gen2

Dimensional drawing



ClearWay gen2 BGP307

Photometric data



OFPL1_BGP307T251xLED120-4S740DM50

OFPC1_BGP307T251xLED120-4S740DM50

