



ClearWay gen2

BGP307 LED35-4S/740 I DM11 48/76S

ClearWay gen2, Road & street light, 21.5 W, 3045 lm, 4000 K, CRI70, Distribution medium 11, Safety class I, IP66

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		Light Technical	
Lamp family code	LED35 [LED module 3500 lm]	Upward light output ratio	0
Light source replaceable	Yes	Luminous Flux	3,045 lm
Number of gear units	1 unit	Correlated Color Temperature (Nom)	4000 K
Driver included	Yes	Luminous Efficacy (rated) (Nom)	142 lm/W
Light source engine type	LED	Color rendering index (CRI)	70
Service tag	Yes	Light source color	740 neutral white
Lighting Technology	LED	Optic type	-
Value ladder	Performance	Luminaire light beam spread	160° - 42° x 54°
Warranty period	5 years	Optic type outdoor	Distribution medium 11
Sustainability rating	Lighting for circularity	Effective projected area	0.1151 m²

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Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	43 A
Inrush time	0.26 ms
Power Consumption	21.5 W
Power Factor (Fraction)	0.93
Connection	Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type B	10
Protection class IEC	Safety class I
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
Maximum dim level	Not applicable
Mechanical and Housing	
Housing Material	Aluminum die cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Tempered glass
Fixation material	Aluminum
Housing Color	Gray
Mounting device	Universal for diameter 48 to 76 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	525 mm
Overall width	330 mm
Overall height	110 mm
Dimensions (Height x Width x Depth)	110 x 330 x 525 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Optical cover type	Flat glass
Net Weight (Piece)	4.990 kg
Approval and Application	
Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 1 @ 200mm to EN62471
Photobiological risk specification	3.1 m
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there 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
Ambient temperature range	-40 to +50 °C
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
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5
Over Time Performance (IEC Compliant)	
Driver failure rate at 5000 h	0.5 %
Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 50000 h	L99
Lumen maintenance at median useful life* 100000 h	L97
Product Data	
Order product name	BGP307 LED35-4S/740 I DM11 48/76S
Full product name	BGP307 LED35-4S/740 I DM11 48/76S
Full product code	871869699630000
Order code	910925865151
Material Nr. (12NC)	910925865151
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696996300
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696996300
Product family code	BGP307 [ClearWay gen2]

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Dimensional drawing

