



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	
Lamp family code	LED35 [LED module 3500 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Lighting Technology	LED
Value ladder	Performance
Warranty period	5 years
Sustainability rating	Lighting for circularity

Light Technical	
Upward light output ratio	0
Luminous Flux	3,045 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	142 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Optic type	-
Luminaire light beam spread	160° - 42° x 54°
Optic type outdoor	Distribution medium 11
Effective projected area	0.1151 m ²

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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	10
В	
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	

Driver/power unit/transformer	Power supply unit (On/Off)	
Control interface	-	
Constant light output	No	
Maximum dim level	Not applicable	

No

Mechanical and Housing

Aluminum die cast
-
Polymethyl methacrylate
Tempered glass
Aluminum
Gray
Universal for diameter 48 to 76 mm
Flat
Clear
525 mm
330 mm
110 mm
110 x 330 x 525 mm
IP66 [Dust penetration-protected, jet-proof]
IK09 [10 J]
0°
0°
Flat glass
4.990 kg

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

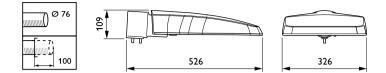
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.38, 0.38) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Standard Deviation of Colour Matching	SDCM≤5
(McAdam ellipse)	

Over Time Performance (IEC Complia	ant)
Driver failure rate at 5000 h	0.5 %
Control gear failure rate at median useful	5 %
life 50000 h	
Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful life*	L99
50000 h	
Lumen maintenance at median useful life*	L97
100000 h	
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 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





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