



# ClearWay gen2

## BGP307 LED54-4S/740 II DM11 CLO 48/60S

ClearWay gen2, LED module 5400 lm, 740 neutral white, Safety class II, Distribution medium 11, Constant light output, 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		Embedded control	
Lamp family code	LED54 [LED module 5400 lm]	Embedded control	Constant light output
Light source replaceable	Yes	CE mark	Yes
Number of gear units	1 unit	Warranty period	5 years
Driver included	Yes	Flammability mark	-
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components	ENEC mark	ENEC mark
		EU RoHS compliant	No
Light source engine type		Light Technical	
Light source engine type	LED	Upward light output ratio	0
Product family code	BGP307 [ClearWay gen2]	Luminous Flux	4,524 lumen
Lighting Technology	LED	Standard tilt angle posttop	0°

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Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	141 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Optic type	-
Optical cover type	Flat glass
Luminaire light beam spread	160° - 42° x 54°
Optic type outdoor	Distribution medium 11

### Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	32 W
Average CLO power consumption	32.5 W
End CLO power consumption	33 W
Inrush current	43 A
Inrush time	0.26 ms
Power Consumption	32 W
Power Factor (Fraction)	0.97
Connection	Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type B	48

### Temperature

Ambient temperature range	-40 to +50 °C
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### Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit with DALI interface and constant light output
Control interface	-
Constant light output	Yes

### Mechanical and Housing

Housing Material	Aluminum die cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Tempered glass
Fixation material	Aluminum
Housing Color	Grey
Mounting device	Universal for diameter 48 to 60 mm adjustable
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	482 mm
Overall width	330 mm
Overall height	93 mm

Effective projected area	0.1151 m <sup>2</sup>
Dimensions (Height x Width x Depth)	93 x 330 x 482 mm

### Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
Sustainability rating	Lighting for circularity
Protection class IEC	Safety class II
Photobiological risk	Photobiological risk group 1 @ 200mm to EN62471
Photobiological risk specification	3.1 m

### 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

### 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* 100000 h	L100

### Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

### Product Data

Full product code	871869944816500
Order product name	BGP307 LED54-4S/740 II DM11 CLO 48/60S
Order code	910925865549
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910925865549
Full product name	BGP307 LED54-4S/740 II DM11 CLO 48/60S
EAN/UPC - Case	8718699448165
EAN/UPC - Product/Case	8718699448165

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## Dimensional drawing

