



# ClearWay gen2

## BGP307 LED45-4S/740 II DM12 CLL CLO 48/6

ClearWay gen2, Road & street light, 27 W, 3916 lm, 4000 K, CRI70, Distribution medium 12, Safety class II, 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	LED45 [LED Module 4500 lm]	protection device, optics, front cover and mechanical parts	
Light source replaceable	Yes	Warranty period	5 years
Number of gear units	1 unit	Sustainability rating	Signify Circle
Driver included	Yes	<b>Light Technical</b>	
Light source engine type	LED	Upward light output ratio	0
Service tag	Yes	Luminous Flux	3,916 lm
Lighting Technology	LED	Correlated Color Temperature (Nom)	4000 K
Value ladder	Performance	Luminous Efficacy (rated) (Nom)	145 lm/W
Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge	Color rendering index (CRI)	70
		Light source color	740 neutral white

## ClearWay gen2

Luminaire light beam spread	160° - 42° x 54°
Optic type outdoor	Distribution medium 12
Effective projected area	0.1151 m <sup>2</sup>

### Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	27 W
Average CLO power consumption	27.5 W
End CLO power consumption	27.5 W
Inrush current	43 A
Inrush time	0.26 ms
Power Consumption	27 W
Power Factor (Fraction)	0.95
Connection	Push-in connector 5-pole
Cable	Cable 10 m without plug 2-pole
Number of products on MCB of 16 A type B	20
Protection class IEC	Safety class II
Surge Protection (Common/Differential)	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 regulating with constant light output
Control interface	-
Constant light output	Yes
Maximum dim level	0% (digital)
Embedded control	Constant light output

### 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 60 mm adjustable
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	482 mm
Overall width	330 mm
Overall height	93 mm
Dimensions (Height x Width x Depth)	93 x 330 x 482 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)	5.815 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
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)

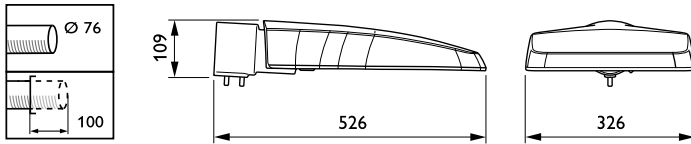
Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L100
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L100

### Product Data

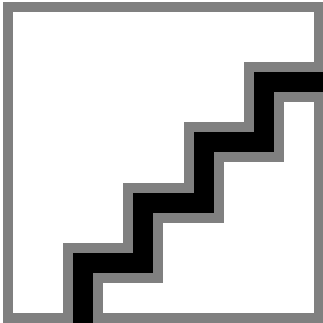
Order product name	BGP307 LED45-4S/740 II DM12 CLL CLO 48/6
Full product name	BGP307 LED45-4S/740 II DM12 CLL CLO 48/6
Full product code	871951473826300
Order code	910925868880
Material Nr. (12NC)	910925868880
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514738263
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514738263
Product family code	BGP307 [ClearWay gen2]

## ClearWay gen2

### Dimensional drawing



### Photometric data



Polar Normal (separate) - BGP307I - 910925868880

