



ClearWay gen2

BGP307 LED45-4S/740 II DX10 D11 48/76S

ClearWay gen2, Road & street light, 27.5 W, 3780 lm, 4000 K, CRI70, Internal (no external connection), Distribution extra wide 10, 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]
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	3,780 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	137 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Optic type	-
Luminaire light beam spread	-

ClearWay gen2

Optic type outdoor	Distribution extra wide 10
Effective projected area	0.1151 m²

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	27.5 W
Power Factor (Fraction)	0.95
Connection	Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type B	10
Protection class IEC	Safety class II
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 regulating
Control interface	Internal (no external connection)
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	93 mm
Dimensions (Height x Width x Depth)	93 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)	6.540 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	* 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)

Control gear failure rate at median useful life	5 %
50000 h	
Control gear failure rate at median useful life	10 %
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 LED45-4S/740 II DX10 D11 48/76S
Full product name	BGP307 LED45-4S/740 II DX10 D11 48/76S
Full product code	871951411996300
Order code	910925867801
Material Nr. (12NC)	910925867801
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514119963
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514119963
Product family code	BGP307 [ClearWay gen2]

ClearWay gen2

Dimensional drawing

