



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	
Lamp family code	LED54 [LED module 5400 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Remarks	* At extreme ambient temperatures the
	luminaire might automatically dim down to
	protect components
Light source engine type	LED
Product family code	BGP307 [ClearWay gen2]
Lighting Technology	LED

Embedded control	Constant light output
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
EU RoHS compliant	No
Light Technical	
Upward light output ratio	0
Luminous Flux	4,524 lm
Standard tilt angle posttop	O°

Datasheet, 2024, March 14 data subject to change

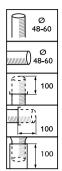
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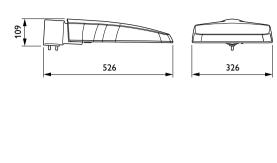
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	141 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Optic type	-
Optical cover type	Flat glass
Luminaire light beam spread	160° - 42° x 54°
Optic type outdoor	Distribution 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	20
Temperature	
Ambient temperature range	-40 to +50 °C
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

Effective projected area	0.1151 m²
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	
mit. Cotor Rendering index Toterance	+/-2
Over Time Performance (IEC Complia	mt)
Over Time Performance (IEC Complia	-
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*	L100
100000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
	25 °C Not applicable
Performance ambient temperature Tq Maximum dim level	
Performance ambient temperature Tq Maximum dim level Product Data	Not applicable
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Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	BGP307 LED54-4S/740 II DM11 CLO 48/60S BGP307 LED54-4S/740 II DM11 CLO 48/60S 871869944816500 910925865549 910925865549
Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	BGP307 LED54-4S/740 II DM11 CLO 48/60S BGP307 LED54-4S/740 II DM11 CLO 48/60S 871869944816500 910925865549 910925865549
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Dimensional drawing







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