



# 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 lumen
Standard tilt angle posttop	0°

Datasheet, 2023, October 25 data subject to change

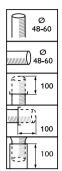
## ClearWay gen2

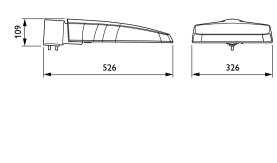
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Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	141 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Optic type	-
Optical cover type	Flat glass
Luminaire light beam 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
Training or products on med or to maybe b	
Temperature	
Ambient temperature range	-40 to +50 °C
Ambient temperature range	-40 to +50 C
Controls and Dimming	
Controts and Dimining	
Dimmable	No
Dimmable	No
Dimmable  Driver/power unit/transformer	Power supply unit with DALI interface and
Driver/power unit/transformer	<u> </u>
Driver/power unit/transformer  Control interface	Power supply unit with DALI interface and constant light output
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Driver/power unit/transformer  Control interface  Constant light output	Power supply unit with DALI interface and constant light output
Driver/power unit/transformer  Control interface  Constant light output  Mechanical and Housing	Power supply unit with DALI interface and constant light output  - Yes
Driver/power unit/transformer  Control interface  Constant light output  Mechanical and Housing  Housing Material	Power supply unit with DALI interface and constant light output  - Yes  Aluminum die cast
Driver/power unit/transformer  Control interface  Constant light output  Mechanical and Housing  Housing Material  Reflector material	Power supply unit with DALI interface and constant light output  - Yes  Aluminum die cast -
Driver/power unit/transformer  Control interface  Constant light output  Mechanical and Housing  Housing Material  Reflector material  Optic material	Power supply unit with DALI interface and constant light output  - Yes  Aluminum die cast - Polymethyl methacrylate
Driver/power unit/transformer  Control interface  Constant light output  Mechanical and Housing  Housing Material  Reflector material  Optic material  Optical cover material	Power supply unit with DALI interface and constant light output  - Yes  Aluminum die cast - Polymethyl methacrylate Tempered glass
Driver/power unit/transformer  Control interface  Constant light output  Mechanical and Housing  Housing Material  Reflector material  Optic material  Optical cover material  Fixation material	Power supply unit with DALI interface and constant light output  - Yes  Aluminum die cast - Polymethyl methacrylate Tempered glass Aluminum
Driver/power unit/transformer  Control interface  Constant light output  Mechanical and Housing  Housing Material  Reflector material  Optic material  Optical cover material	Power supply unit with DALI interface and constant light output  - Yes  Aluminum die cast - Polymethyl methacrylate Tempered glass Aluminum Grey
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Driver/power unit/transformer  Control interface  Constant light output  Mechanical and Housing  Housing Material  Reflector material  Optic material  Optical cover material  Fixation material  Housing Color	Power supply unit with DALI interface and constant light output  - Yes  Aluminum die cast - Polymethyl methacrylate Tempered glass Aluminum Grey
Driver/power unit/transformer  Control interface  Constant light output  Mechanical and Housing  Housing Material  Reflector material  Optic material  Optical cover material  Fixation material  Housing Color	Power supply unit with DALI interface and constant light output  - Yes  Aluminum die cast - Polymethyl methacrylate Tempered glass Aluminum Grey Universal for diameter 48 to 60 mm
Driver/power unit/transformer  Control interface  Constant light output  Mechanical and Housing  Housing Material  Reflector material  Optic material  Optical cover material  Fixation material  Housing Color  Mounting device	Power supply unit with DALI interface and constant light output  - Yes  Aluminum die cast - Polymethyl methacrylate Tempered glass Aluminum Grey Universal for diameter 48 to 60 mm adjustable
Driver/power unit/transformer  Control interface  Constant light output  Mechanical and Housing  Housing Material  Reflector material  Optic material  Optical cover material  Fixation material  Housing Color  Mounting device  Optical cover shape	Power supply unit with DALI interface and constant light output  - Yes  Aluminum die cast - Polymethyl methacrylate Tempered glass Aluminum Grey Universal for diameter 48 to 60 mm adjustable Flat
Driver/power unit/transformer  Control interface  Constant light output  Mechanical and Housing  Housing Material  Reflector material  Optic material  Optical cover material  Fixation material  Housing Color  Mounting device  Optical cover shape  Optical cover finish	Power supply unit with DALI interface and constant light output  - Yes  Aluminum die cast - Polymethyl methacrylate Tempered glass Aluminum Grey Universal for diameter 48 to 60 mm adjustable Flat Clear
Driver/power unit/transformer  Control interface  Constant light output  Mechanical and Housing  Housing Material  Reflector material  Optic material  Optical cover material  Fixation material  Housing Color  Mounting device  Optical cover shape  Optical cover finish  Overall length	Power supply unit with DALI interface and constant light output  - Yes  Aluminum die cast - Polymethyl methacrylate Tempered glass Aluminum Grey Universal for diameter 48 to 60 mm adjustable Flat Clear 482 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	+/-2
mit. Cotor Rendering index Toterance	1/-2
Over Time Performance (IEC Complia	nt)
	•
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 °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

### ClearWay gen2

#### Dimensional drawing







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