



# ClearWay gen2

## BGP307 LED18-4S/740 II DM11 CLO 48/60S

ClearWay gen2, LED module 1800 lm, 740 neutral white, Safety class II, Distribution medium 11, 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 LED18 [LED module 1800 lm]	
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper
	"Evaluating performance of LED based
	luminaires - January 2018": statistically there
	is no relevant difference in lumen
	maintenance between B50 and for example
	B10. Therefore, the median useful life (B50)

	value also represents the B10 value. * At		
	extreme ambient temperatures the luminaire		
	might automatically dim down to protect		
	components		
Light source engine type	LED		
Service tag	Yes		
Product family code	BGP307 [ClearWay gen2]		
Lighting Technology	LED		
CE mark	Yes		
Warranty period	5 years		
Flammability mark	-		
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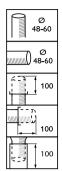
Datasheet, 2024, March 14 data subject to change

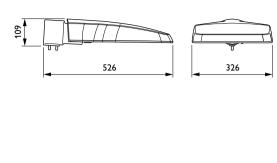
# ClearWay gen2

ENEC mark	ENEC mark	Optical cover shape	Flat
EU RoHS compliant	No	Optical cover finish	Clear
		Overall length	482 mm
Light Technical		Overall width	330 mm
Upward light output ratio	0	Overall height	93 mm
Luminous Flux	1,522.5 lm	Effective projected area	0.1151 m²
Standard tilt angle posttop	O°	Dimensions (Height x Width x Depth)	93 x 330 x 482 mm
Standard tilt angle side entry	O°		
Correlated Color Temperature (Nom)	4000 K	Approval and Application	
Luminous Efficacy (rated) (Nom)	134 lm/W	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Color rendering index (CRI)	70	Mech. impact protection code	IK09 [10 J]
Light source color	740 neutral white	Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV
Optic type	-		differential mode and 8 kV common mode
Optical cover type	Flat glass	Sustainability rating	Lighting for circularity
Luminaire light beam spread	160° - 42° x 54°	Protection class IEC	Safety class II
Optic type outdoor	Distribution medium 11	Photobiological risk	Photobiological risk group 1 @ 200mm to
			EN62471
Operating and Electrical		Photobiological risk specification	3.1 m
Input Voltage	220 to 240 V		
Line Frequency	50 to 60 Hz	Initial Performance (IEC Compliant)	
Initial CLO power consumption	11.4 W	Luminous flux tolerance	+/-7%
Average CLO power consumption	11.4 W	Initial chromaticity	(0.38, 0.38) SDCM <5
End CLO power consumption	11.6 W	Power consumption tolerance	+/-10%
Inrush current	12 A	Init. Color Rendering Index Tolerance	+/-2
Inrush time	0.27 ms		
Power Consumption	11.4 W	Over Time Performance (IEC Compl	iant)
Power Factor (Fraction)	0.98	Driver failure rate at 5000 h	0.5 %
Connection	Push-in connector 5-pole	Control gear failure rate at median useful	5 %
Cable	-	life 50000 h	
Number of products on MCB of 16 A type	20	Control gear failure rate at median useful	10 %
В		life 100000 h	
		Lumen maintenance at median useful	L100
Temperature		life* 100000 h	
Ambient temperature range	-40 to +50 °C		
		Application Conditions	
Controls and Dimming		Performance ambient temperature Tq	25 ℃
Dimmable	No	Maximum dim level	0% (digital)
Driver/power unit/transformer	Power supply unit (On/Off)		
Control interface		Product Data	
Constant light output	Yes	Order product name	BGP307 LED18-4S/740 II DM11 CLO 48/60S
		Full product name	BGP307 LED18-4S/740 II DM11 CLO 48/60S
Mechanical and Housing		Full product code	871869699703100
Mechanical and Housing Housing Material	Aluminum die cast	Full product code  Order code	871869699703100 910925865225
	Aluminum die cast		
Housing Material		Order code	910925865225
Housing Material Reflector material	-	Order code Material Nr. (12NC)	910925865225 910925865225
Housing Material Reflector material Optic material	- Polymethyl methacrylate	Order code  Material Nr. (12NC)  Numerator - Quantity Per Pack	910925865225 910925865225 1
Housing Material Reflector material Optic material Optical cover material	- Polymethyl methacrylate Tempered glass	Order code  Material Nr. (12NC)  Numerator - Quantity Per Pack  EAN/UPC - Product/Case	910925865225 910925865225 1 8718696997031
Housing Material Reflector material Optic material Optical cover material Fixation material	Polymethyl methacrylate Tempered glass Aluminum	Order code  Material Nr. (12NC)  Numerator - Quantity Per Pack  EAN/UPC - Product/Case  Numerator - Packs per outer box	910925865225 910925865225 1 8718696997031
Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color	Polymethyl methacrylate Tempered glass Aluminum Gray	Order code  Material Nr. (12NC)  Numerator - Quantity Per Pack  EAN/UPC - Product/Case  Numerator - Packs per outer box	910925865225 910925865225 1 8718696997031

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### Dimensional drawing







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