

ClearWay gen2

BGP307 LED45-4S/830 II DM11 CLO S05Z1Z1-

ClearWay gen2, LED Module 4500 lm, 830 warm 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

LED45 [LED Module 4500 lm]
Yes
1 unit
Yes
*-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	
Product family code	BGP307 [ClearWay gen2]	
Lighting Technology	LED	
Value ladder	Performance	
CE mark	Yes	
Warranty period	5 years	
Flammability mark	-	

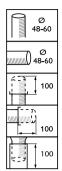
Datasheet, 2023, December 6 data subject to change

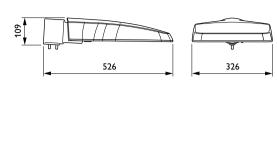
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ENEC mark	ENEC mark	Optical cover shape	Flat
EU RoHS compliant	No	Optical cover finish	Clear
		Overall length	482 mm
Light Technical		Overall width	330 mm
Upward light output ratio	0	Overall height	93 mm
Luminous Flux	3,741 lm	Effective projected area	0.1151 m²
Standard tilt angle posttop	0°	Dimensions (Height x Width x Depth)	93 x 330 x 482 mm
Standard tilt angle side entry	0°	<u> </u>	
Correlated Color Temperature (Nom)	3000 K	Approval and Application	
Luminous Efficacy (rated) (Nom)	108 lm/W	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Color rendering index (CRI)	80	Mech. impact protection code	IK09 [10 J]
Light source color	830 warm 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
		<u> </u>	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	34.5 W	Luminous flux tolerance	+/-7%
Average CLO power consumption	35 W	Initial chromaticity	(0.38, 0.38) SDCM <5
End CLO power consumption	35.5 W	Power consumption tolerance	+/-10%
Inrush current	43 A	Init. Color Rendering Index Tolerance	+/-2
Inrush time	0.26 ms		
Power Consumption	34.5 W	Over Time Performance (IEC Compl	liant)
Power Factor (Fraction)	0.97	Driver failure rate at 5000 h	0.5 %
Connection	Push-in connector 5-pole	Control gear failure rate at median useful	5 %
Cable	Cable 10 m without plug	life 50000 h	
Number of products on MCB of 16 A type	21	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 ℃		
		Application Conditions	
			35.00
Controls and Dimming		Performance ambient temperature Tq	25 ℃
Controls and Dimming Dimmable	Yes	Maximum dim level	0% (digital)
	Yes Power supply unit regulating		
Dimmable			
Dimmable Driver/power unit/transformer	Power supply unit regulating	Maximum dim level	
Dimmable Driver/power unit/transformer Control interface	Power supply unit regulating	Maximum dim level Product Data	0% (digital)
Dimmable Driver/power unit/transformer Control interface	Power supply unit regulating	Product Data Order product name	0% (digital) BGP307 LED45-4S/830 II DM11 CLO S05Z1Z1-
Dimmable Driver/power unit/transformer Control interface Constant light output	Power supply unit regulating	Product Data Order product name Full product name	0% (digital) BGP307 LED45-4S/830 II DM11 CLO S05Z1Z1- BGP307 LED45-4S/830 II DM11 CLO S05Z1Z1-
Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	Power supply unit regulating - Yes	Product Data Order product name Full product code	0% (digital) BGP307 LED45-4S/830 DM11 CLO S05Z1Z1- BGP307 LED45-4S/830 DM11 CLO S05Z1Z1- 871869699854000
Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	Power supply unit regulating - Yes Aluminum die cast	Product Data Order product name Full product name Full product code Order code	0% (digital) BGP307 LED45-4S/830 II DM11 CLO S05Z1Z1- BGP307 LED45-4S/830 II DM11 CLO S05Z1Z1- 871869699854000 910925865377
Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material	Power supply unit regulating - Yes Aluminum die cast -	Product Data Order product name Full product code Order code Material Nr. (12NC)	0% (digital) BGP307 LED45-4S/830 II DM11 CLO S05Z1Z1- BGP307 LED45-4S/830 II DM11 CLO S05Z1Z1- 871869699854000 910925865377 910925865377
Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material	Power supply unit regulating - Yes Aluminum die cast - Polymethyl methacrylate	Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	0% (digital) BGP307 LED45-4S/830 II DM11 CLO S05Z1Z1- BGP307 LED45-4S/830 II DM11 CLO S05Z1Z1- 871869699854000 910925865377 910925865377
Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material	Power supply unit regulating - Yes Aluminum die cast - Polymethyl methacrylate Tempered glass	Product Data Order product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case	0% (digital) BGP307 LED45-4S/830 II DM11 CLO S05Z1Z1- BGP307 LED45-4S/830 II DM11 CLO S05Z1Z1- 871869699854000 910925865377 910925865377 1 8718696998540
Dimmable 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 regulating - Yes Aluminum die cast - Polymethyl methacrylate Tempered glass Aluminum	Product Data Order product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case Numerator - Packs per outer box	0% (digital) BGP307 LED45-4S/830 II DM11 CLO S05Z1Z1- BGP307 LED45-4S/830 II DM11 CLO S05Z1Z1- 871869699854000 910925865377 910925865377 1 8718696998540 1
Dimmable 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 regulating - Yes Aluminum die cast - Polymethyl methacrylate Tempered glass Aluminum Gray	Product Data Order product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case Numerator - Packs per outer box	0% (digital) BGP307 LED45-4S/830 II DM11 CLO S05Z1Z1- BGP307 LED45-4S/830 II DM11 CLO S05Z1Z1- 871869699854000 910925865377 910925865377 1 8718696998540 1

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Dimensional drawing







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