



ClearWay gen2

BGP307 LED54-4S/830 II DM11 CLO 48/60S

ClearWay gen2, LED module 5400 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

General Information	
Lamp family code	LED54 [LED module 5400 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	
Product family code	BGP307 [ClearWay gen2]	
Lighting Technology	LED	
CE mark	Yes	
Warranty period	5 years	
Flammability mark	-	
ENEC mark	ENEC mark	

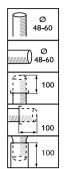
Datasheet, 2024, March 11 data subject to change

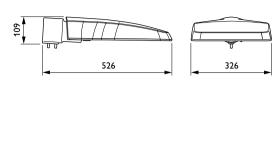
ClearWay gen2

EU RoHS compliant	No	Optical cover shape	Flat
		Optical cover finish	Clear
Light Technical		Overall length	482 mm
Upward light output ratio	0	Overall width	330 mm
Luminous Flux	4,524 lm	Overall height	93 mm
Standard tilt angle posttop	O°	Effective projected area	0.1151 m²
Standard tilt angle side entry	O°	Dimensions (Height x Width x Depth)	93 x 330 x 482 mm
Correlated Color Temperature (Nom)	3000 K		
Luminous Efficacy (rated) (Nom)	116 lm/W	Approval and Application	
Color rendering index (CRI)	80	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Light source color	830 warm white	Mech. impact protection code	IK09 [10 J]
Optic type		Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV
Optical cover type	Flat glass		differential mode and 8 kV common mode
Luminaire light beam spread	160° - 42° x 54°	Sustainability rating	Lighting for circularity
Optic type outdoor	Distribution medium 11	Protection class IEC	Safety class II
		Photobiological risk	Photobiological risk group 1 @ 200mm to
Operating and Electrical			EN62471
Input Voltage	220 to 240 V	Photobiological risk specification	3.1 m
Line Frequency	50 to 60 Hz		
Initial CLO power consumption	39 W	Initial Performance (IEC Compliant)	1
Average CLO power consumption	39.5 W	Luminous flux tolerance	+/-7%
End CLO power consumption	40 W	Initial chromaticity	(0.43, 0.40) SDCM <5
Inrush current	47 A	Power consumption tolerance	+/-10%
Inrush time	0.25 ms	Init. Color Rendering Index Tolerance	+/-2
Power Consumption	39 W		
Power Factor (Fraction)	0.98	Over Time Performance (IEC Compl	iant)
Connection	Push-in connector 5-pole	Control gear failure rate at median useful	5 %
	·		
Cable	-	life 50000 h	
Cable Number of products on MCB of 16 A type	- -	life 50000 h Control gear failure rate at median useful	10 %
	- -		. 10 %
Number of products on MCB of 16 A type	- -	Control gear failure rate at median useful	. 10 % L100
Number of products on MCB of 16 A type	- -	Control gear failure rate at median useful life 100000 h	
Number of products on MCB of 16 A type	- -	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful	
Number of products on MCB of 16 A type B Temperature	10	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful	
Number of products on MCB of 16 A type B Temperature	10	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h	
Number of products on MCB of 16 A type B Temperature Ambient temperature range	10	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions	L100
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming	- 10 -40 to +50 °C	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq	L100
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable	- 10 -40 to +50 °C Yes	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq	L100
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	- 10 -40 to +50 °C Yes	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level	L100
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	-40 to +50 °C Yes Power supply unit (On/Off) -	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data	L100 25 °C 0% (digital)
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	-40 to +50 °C Yes Power supply unit (On/Off) -	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name	L100 25 °C 0% (digital) BGP307 LED54-4\$/830 DM11 CLO 48/60\$
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	-40 to +50 °C Yes Power supply unit (On/Off) -	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name	L100 25 °C 0% (digital) BGP307 LED54-4S/830 DM11 CLO 48/60S BGP307 LED54-4S/830 DM11 CLO 48/60S
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	- 10 -40 to +50 °C Yes Power supply unit (On/Off) - Yes	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product code	L100 25 ℃ 0% (digital) BGP307 LED54-4S/830 II DM11 CLO 48/60S BGP307 LED54-4S/830 II DM11 CLO 48/60S
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	- 10 -40 to +50 °C Yes Power supply unit (On/Off) - Yes	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code	L100 25 °C 0% (digital) BGP307 LED54-4S/830 II DM11 CLO 48/60S BGP307 LED54-4S/830 II DM11 CLO 48/60S 871869699692800 910925865214
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material	- 10 -40 to +50 °C Yes Power supply unit (On/Off) - Yes Aluminum die cast -	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	L100 25 °C 0% (digital) BGP307 LED54-4S/830 II DM11 CLO 48/60S BGP307 LED54-4S/830 II DM11 CLO 48/60S 871869699692800 910925865214 910925865214
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material	- 10 -40 to +50 °C Yes Power supply unit (On/Off) - Yes Aluminum die cast - Polymethyl methacrylate	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions 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	L100 25 °C 0% (digital) BGP307 LED54-4S/830 DM11 CLO 48/60S BGP307 LED54-4S/830 DM11 CLO 48/60S 871869699692800 910925865214 910925865214 1
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material	- 10 -40 to +50 °C Yes Power supply unit (On/Off) - Yes Aluminum die cast - Polymethyl methacrylate Tempered glass	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions 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 EAN/UPC - Product/Case	L100 25 °C 0% (digital) BGP307 LED54-4S/830 II DM11 CLO 48/60S BGP307 LED54-4S/830 II DM11 CLO 48/60S 871869699692800 910925865214 910925865214 1 8718696996928
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material	- 10 -40 to +50 °C Yes Power supply unit (On/Off) - Yes Aluminum die cast - Polymethyl methacrylate Tempered glass Aluminum	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions 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 EAN/UPC - Product/Case Numerator - Packs per outer box	L100 25 °C 0% (digital) BGP307 LED54-4S/830 DM11 CLO 48/60S BGP307 LED54-4S/830 DM11 CLO 48/60S 871869699692800 910925865214 910925865214 1 8718696996928 1
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming 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	- 10 -40 to +50 °C Yes Power supply unit (On/Off) - Yes Aluminum die cast - Polymethyl methacrylate Tempered glass Aluminum Gray	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions 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 EAN/UPC - Product/Case Numerator - Packs per outer box	L100 25 °C 0% (digital) BGP307 LED54-4S/830 DM11 CLO 48/60S BGP307 LED54-4S/830 DM11 CLO 48/60S 871869699692800 910925865214 910925865214 1 8718696996928 1

ClearWay gen2

Dimensional drawing







© 2024 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.