



ClearWay gen2

BGP307 LED54-4S/830 II DM11 CLO-DDF1 D18

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	
Value ladder	Performance	
CE mark	Yes	
Warranty period	5 years	
Flammability mark	-	

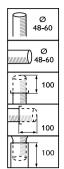
Datasheet, 2024, March 11 data subject to change

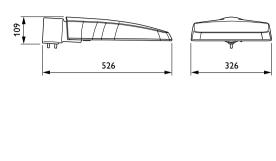
ClearWay gen2

BMC Marklis complation PNET mark Operation (length) 42 mm Up Mort S complaint No Overatil length 330 mm Up Mort T Cachination 0 Effective projected area 0 mm (length) 330 mm Currinous Play 42.24 lm Overatil height 330 mm 0 mm Standard Ultimage postiop 0 Posting projected area 193.02 kd zm 193.02 kd zm Currinous Efficacy freated (Norm) 100 m/V Posting projected contain IP68 Part personation—prointed by expect) Currinous Efficacy freated (Norm) 100 m/V Personation account IP68 Part personation—prointed by expect) Currinous Efficacy freated (Norm) 100 m/V Personation account IP68 Part personation—prointed by expect) Currinous Efficacy freated (Norm) 100 mm/V Personation account IP68 Part personation—prointed by expect) Cytic Lord (Composer) That glass Procession (Commony) Efficience and Expert account Procession account Influence account account and a put account				
Uight Technical Orecal height 93 mm	ENEC mark	ENEC mark	Optical cover finish	Clear
Upward light output ratio	EU RoHS compliant	No	Overall length	482 mm
Dyward light output ratio Uniform Place Standard sit angle southop Or			Overall width	330 mm
Dimensions (Neight x Width x Depth)	Light Technical		Overall height	93 mm
Standard tilt angle position O' Sandard tilt angle side entry O' Correlated Color Interneptiate (Nom.) O' Sandard tilt angle side entry O' O' Ingress protection code P66 [Dust penetration-protected, (Sc-proof) Mech. Impact protection code Micro	Upward light output ratio	0	Effective projected area	0.1151 m ²
Standard titt angle side entry	Luminous Flux	4,524 lm	Dimensions (Height x Width x Depth)	93 x 330 x 482 mm
Ingress protection code	Standard tilt angle posttop	O°		
Luminous Efficacy (rated) (Nom)	Standard tilt angle side entry	O°	Approval and Application	
Surge Protection (Common/Differential) Luminorie surge protection fevent until 6 kV differential mode and 8 kV common mode of product over type - Sustainability rating Lughten Corrollanty Luminorie surge protection fevent until 6 kV differential mode and 8 kV common mode of product over type Flat glass Protection (cass IEC Safety class II	Correlated Color Temperature (Nom)	3000 K	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Light source color B30 warm while Subtainability rating Lighting for circularity	Luminous Efficacy (rated) (Nom)	116 lm/W	Mech. impact protection code	IK09 [10 J]
Optic type - Optic type Flat glass Sustainability rating Lighting for circulority Optic type outdoor Distribution medium 1	Color rendering index (CRI)	80	Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV
Protection class IEC Safety class	Light source color	830 warm white		differential mode and 8 kV common mode
Liminatre light beam spread 160" + 47" x 54" Optet type outdoor Distribution medium 11 Photobiological risk Photobiological risk Photobiological risk group 1 @ 200mm to EM62471 Initial Performance (IEC Compliant) Limine Voltage 220 to 240 V Initial CLO power consumption 39 W Initial Performance (IEC Compliant) Liminous flux tolerance -/-7% Initial CLO power consumption 40 W Initial Chromaticity (0.43, 0.40) SDCM <5 Power Consumption tolerance -/-7% Initial Chromaticity (0.43, 0.40) SDCM <5 Power Consumption tolerance -/-7% Initial Chromaticity (0.43, 0.40) SDCM <5 Power Consumption tolerance -/-7% Initial Chromaticity (0.43, 0.40) SDCM <5 Power Consumption tolerance -/-7% Initial Chromaticity (0.43, 0.40) SDCM <5 Power Consumption tolerance -/-7% Initial Performance (IEC Compliant) Diving flux tolerance -/-7% Power Consumption tolerance -/-7% Initial Performance (IEC Compliant) Diving flux tolerance -/-7% Power Consumption tolerance -/-7% Power Consump	Optic type	-	Sustainability rating	Lighting for circularity
Distribution medium 11 EN62471 Photobiological risk specification 3.1 m Photobiological risk specification 7.7 m Photobiologicat risk specification 7.7 m Photobiologication 7.7 m Photobiologi	Optical cover type	Flat glass	Protection class IEC	Safety class II
Photobiological risk specification 31 m	Luminaire light beam spread	160° - 42° x 54°	Photobiological risk	Photobiological risk group 1 @ 200mm to
Injust Voltage	Optic type outdoor	Distribution medium 11		EN62471
Injust Voltage			Photobiological risk specification	3.1 m
Luminous flux tolerance	Operating and Electrical			
Initial CLO power consumption 39 W Initial chromaticity (0.43, 0.40) SDCM < 5	Input Voltage	220 to 240 V	Initial Performance (IEC Compliant)	
Average CLO power consumption 39.5 W Power consumption tolerance	Line Frequency	50 to 60 Hz	Luminous flux tolerance	+/-7%
Init. Color Rendering Index Tolerance	Initial CLO power consumption	39 W	Initial chromaticity	(0.43, 0.40) SDCM <5
Inrush current 47 A Inrush time 0.25 ms Over Time Performance (IEC Compliant) Driver failure rate at 5000 h 0.5 % Connection 0.98 Connection Push-in connector 5-pole life 50000 h Itie 50000 h Itie 50000 h Itie 100000 h B Control gear failure rate at median useful 10 % Itie 100000 h Itie 100000	Average CLO power consumption	39.5 W	Power consumption tolerance	+/-10%
Inrush time 0.25 ms Over Time Performance (IEC Compliant)	End CLO power consumption	40 W	Init. Color Rendering Index Tolerance	+/-2
Power Consumption 39 W Driver failure rate at 5000 h 0.5 %	Inrush current	47 A		
Control gear failure rate at median useful 5% Connection Push-in connector 5-pole life 50000 h Control gear failure rate at median useful 10% Life 50000 h Control gear failure rate at median useful 10% Life 100000 h Lumen maintenance at median useful 10% Life 100000 h Lumen maintenance at median useful 10% Life 100000 h Lumen maintenance at median useful 10% Life 100000 h Lumen maintenance at median useful 10% Life 100000 h Lumen maintenance at median useful 10% Life 100000 h Lumen maintenance at median useful 10% Life 100000 h Lumen maintenance at median useful 10% Life 100000 h Lumen maintenance at median useful 10% Life 100000 h Lumen maintenance at median useful 10% Life 100000 h Lumen maintenance at median useful 10% Life 100000 h Lumen maintenance at median useful 10% Life 100000 h Lumen maintenance at median useful 10% Life 100000 h Lumen maintenance at median useful 10% Life 100000 h Lumen maintenance at median useful 10% Life 100000 h Lumen maintenance at median useful 10% Life 100000 h Lumen maintenance at median useful 10% Life 100000 h Lumen maintenance at median useful 10% Maximum dim level 0½5°C Application Conditions Performance ambient temperature Tq 25°C Maximum dim level 0½6 (digital) Product Data Order product Data Order product name 106P307 LED54-45/830 DM11 CLO-DDF1 108 Full product name 108P307 LED54-45/830 DM11 CLO-DDF1 108 Full product name 108P307 LED54-45/830 DM11 CLO-DDF1 108 Full product code 10902565219 Order code 91092565219 Material Nr. (12NC) 91092565219 Numerator - Quantity Per Pack 1 Lumen maintenance at median useful 10% Lumen maintenance at median useful 10% Maximum dim level 0½5°C Application Conditions Performance at median useful 10% Maximum dim level 025°C Application Conditions Performance at median useful 10% Maximum dim level 025°C Application Conditions Performance at median useful 10% Maximum dim level 025°C Application Conditions Performance at median useful 10% Maximum dim level 025°C Appli	Inrush time	0.25 ms	Over Time Performance (IEC Compl	iant)
Connection Push-in connector 5-pole life 50000 h Cable - Control gear failure rate at median useful. 10 % life 100000 h Lumen maintenance at median useful. 10 % life 100000 h Lumen maintenance at median useful. 10 00 life* 100000 h Lumen maintenance at median useful. 10 00 life* 100000 h Lumen maintenance at median useful. 10 00 life* 100000 h Lumen maintenance at median useful. 10 00 life* 100000 h Lumen maintenance at median useful. 10 00 life* 100000 h Lumen maintenance at median useful. 10 00 life* 100000 h Lumen maintenance at median useful. 10 00 life* 100000 h Lumen maintenance at median useful. 10 00 life* 10 life* 10 00 life* 10 life* 10 00 life* 10 life* 10 life	Power Consumption	39 W	Driver failure rate at 5000 h	0.5 %
Control gear failure rate at median useful 10 % life 100000 h Lumen maintenance at median useful life 100000 h Performance ambient temperature 7q 25 °C Maximum din level 0% (digtal) Product Data Order product Data Full product name BGP307 LED54-45/830 II DM11 CLO-DDF1 DI8 Full product name BGP307 LED54-45/830 II DM11 CLO-DDF1 DI8 Full product name BGP307 LED54-45/830 II DM11 CLO-DDF1 DI8 Full product code 87166969697300 Material Nr. (12NC) 910925865219 Material Nr. (12NC) 910925865219 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 871696996973 Numerator - Packs per outer box 1 EAN/UPC - Case 871696996973	Power Factor (Fraction)	0.98	Control gear failure rate at median useful	5 %
Number of products on MCB of 16 A type 10 B Lumen maintenance at median useful Li100 Life* 100000 h Temperature Ambient temperature range -40 to *50 °C	Connection	Push-in connector 5-pole	life 50000 h	
Lumen maintenance at median useful life* 100000 h Temperature Ambient temperature range -40 to +50 °C Application Conditions Performance ambient temperature Tq 25 °C Controls and Dimming Dimmable Yes Dimmable Yes Driver/power unit/transformer Power supply unit with DynaDimmer Control interface - Constant light output Yes Tell product name BGP307 LED54-45/830 II DM11 CLO-DDF1 D18 Full product name BGP307 LED54-45/830 II DM11 CLO-DDF1 D18 Full product name BGP307 LED54-45/830 II DM11 CLO-DDF1 D18 Full product code 910925865219 Optic material Aluminum die cast Full product code 910925865219 Optic material Polymethyl methacrylate Material Nr. (12NC) 910925865219 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 871869699673 Numerator - Packs per outer box 1 EAN/UPC - Case 871869699673	Cable	-	Control gear failure rate at median useful	10 %
Temperature Ambient temperature range -40 to +50 °C Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level % (digital) Dimmable Yes Driver/power unit/transformer Power supply unit with DynaDimmer Control interface - Order product Data Constant light output Yes Mechanical and Housing Housing Material Aluminum die cast Reflector material Polymethyl methacrylate Optical cover material Aluminum Fixation material Aluminum Housing Color Gray Munical and Housing Housing Color Gray Munical and Housing Housing Color Gray Munical and Housing Liffe* 100000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level % (digital) Product Data Order product Data Order product name BGP307 LED54-45/830 DMI1 CLO-DDF1 DIB Full product name BGP307 LED54-45/830 DMI1 CLO-DDF1 DIB Full product name BGP307 LED54-45/830 DMI1 CLO-DDF1 DIB Full product code 871869699697300 Order code 910925865219 Material Nr. (12NC) 910925865219 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718696996973 Numerator - Packs per outer box 1 EAN/UPC - Case 8718696996973	Number of products on MCB of 16 A type	10	life 100000 h	
Ambient temperature Ambient temperature range -40 to +50 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Control interface - Control interface - Constant light output Yes Mechanical and Housing Housing Material Aluminum die cast Reflector material Optic material Dimeterial Polymethyl methacrylate Optic material Aluminum Housing Color Gray Mounting device Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level O% (digital) Pow (digital) Pow (digital) Pow (digital) Pow (digital) Pow (digital) Product Data Order Droduct Data Order product name BGP307 LED54-45/830 II DMI1 CLO-DDF1 D18 Full product name BGP307 LED54-45/830 II DMI1 CLO-DDF1 D18 Full product code 871869699697300 Order code 910925865219 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718696996973 Numerator - Packs per outer box 1 EAN/UPC - Case 8718696996973	В		Lumen maintenance at median useful	L100
Application Conditions Performance ambient temperature Tq 25 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DynaDimmer Control interface - Constant light output Yes Machanical and Housing Housing Material Aluminum die cast Perflector material Polymethyl methacrylate Optic material Polymethyl methacrylate Optical cover material Aluminum Housing Color Gray Maximum dim level 0% (digital) Product Data Product Data Order product name BGP307 LED54-45/830 DM11 CLO-DDF1 D18 Full product name BGP307 LED54-45/830 DM11 CLO-DDF1 D18 Full product code 871869699697300 Order code 910925865219 Material Nr. (12NC) 910925865219 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718696996973 Numerator - Packs per outer box 1 EAN/UPC - Case 8718696996973			life* 100000 h	
Performance ambient temperature Tq 25 °C Maximum dim level 0% (digital) Dimmable Yes Driver/power unit/transformer Power supply unit with DynaDimmer Control interface - Order product name BGP307 LED54-4S/830 II DM11 CLO-DDF1 D18 Mechanical and Housing Full product name BGP307 LED54-4S/830 II DM11 CLO-DDF1 Mechanical and Housing Full product name BGP307 LED54-4S/830 II DM11 CLO-DDF1 Pull product name BGP307 LED54-4S/830 II DM11 CLO-DDF1 D18 Full product code 871869699697300 Order code 910925865219 Optic material Polymethyl methacrylate Material Nr. (12NC) 910925865219 Optical cover material Pempered glass Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718696996973 Numerator - Packs per outer box 1 EAN/UPC - Case 8718696996973	Temperature			
Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DynaDimmer Control interface - Constant light output Yes Mechanical and Housing Housing Material Aluminum die cast Peflector material Polymethyl methacrylate Optic material Polymethyl methacrylate Optical cover material Aluminum Fixation material Aluminum Fempered glass Fixation material Aluminum Housing Color Gray Mounting device Universal for diameter 48 to 60 mm adjustable Maximum dim level O% (digital) Aluminum dim level O% (digital) O% (digital) (digital) (digital) (digital) (digital) (digital) (digital) (digital) Maximum dim level O% (digital) (d	Ambient temperature range	-40 to +50 °C	Application Conditions	
Dimmable Yes Driver/power unit/transformer Power supply unit with DynaDimmer Control interface - Order product name BGP307 LED54-45/830 DM11 CLO-DDF1 D18 Full product name BGP307 LED54-45/830 DM11 CLO-DDF1 D18 Mechanical and Housing Housing Housing Material Aluminum die cast Full product code 871869699697300 Reflector material - Order code 910925865219 Optic material Polymethyl methacrylate Material Nr. (12NC) 910925865219 Optical cover material Aluminum EAN/UPC - Product/Case 8718696996973 Fixation material Aluminum EAN/UPC - Product/Case 8718696996973 Mumerator - Packs per outer box 1 EAN/UPC - Case 8718696996973			<u></u>	
Driver/power unit/transformer Power supply unit with DynaDimmer Control interface - Constant light output Yes Mechanical and Housing Full product name BGP307 LED54-4S/830 II DM11 CLO-DDF1 D18 Mechanical and Housing D18 Housing Material Aluminum die cast Full product code 871869699697300 Reflector material - Order code 910925865219 Optic material Polymethyl methacrylate Material Nr. (12NC) 910925865219 Optical cover material Tempered glass Numerator - Quantity Per Pack 1 Fixation material Aluminum EAN/UPC - Product/Case 8718696996973 Housing Color Gray Numerator - Packs per outer box 1 Mounting device Universal for diameter 48 to 60 mm adjustable EAN/UPC - Case 8718696996973	Controls and Dimming		Maximum dim level	0% (digital)
Control interface - Order product name BGP307 LED54-45/830 DM11 CLO-DDF1 Constant light output Yes	Dimmable	Yes	- 	
Constant light output Yes Full product name BGP307 LED54-4S/830 DM11 CLO-DDF1 Mechanical and Housing Housing Material Aluminum die cast Full product code 871869699697300 Full product code 871869699697300 Order code 910925865219 Optic material Polymethyl methacrylate Material Nr. (12NC) 910925865219 Optical cover material Tempered glass Numerator - Quantity Per Pack Fixation material Aluminum Housing Color Gray Numerator - Packs per outer box 1 EAN/UPC - Case 8718696996973 Mumerator - Packs per outer box 1 EAN/UPC - Case 8718696996973	Driver/power unit/transformer	Power supply unit with DynaDimmer	-	
Full product name BGP307 LED54-4\$/830 II DM11 CLO-DDF1 D18 Housing Material Aluminum die cast Full product code 871869699697300 Reflector material - Order code 910925865219 Optic material Polymethyl methacrylate Material Nr. (12NC) 910925865219 Optical cover material Tempered glass Numerator - Quantity Per Pack 1 Fixation material Aluminum EAN/UPC - Product/Case 8718696996973 Housing Color Gray Numerator - Packs per outer box 1 EAN/UPC - Case 8718696996973 Mounting device Universal for diameter 48 to 60 mm adjustable	Control interface		Order product name	
Mechanical and HousingHousing MaterialAluminum die castFull product code871869699697300Reflector material-Order code910925865219Optic materialPolymethyl methacrylateMaterial Nr. (12NC)910925865219Optical cover materialTempered glassNumerator - Quantity Per Pack1Fixation materialAluminumEAN/UPC - Product/Case8718696996973Housing ColorGrayNumerator - Packs per outer box1Mounting deviceUniversal for diameter 48 to 60 mm adjustableEAN/UPC - Case8718696996973	Constant light output	Yes		
Housing Material Aluminum die cast Full product code 871869699697300 Reflector material - Optic material Polymethyl methacrylate Material Nr. (12NC) 910925865219 Numerator - Quantity Per Pack 1 Fixation material Aluminum Fixation material Aluminum Housing Color Gray Numerator - Packs per outer box 1 EAN/UPC - Case 8718696996973 Numerator - Packs per outer box 1 EAN/UPC - Case 8718696996973			Full product name	
Reflector material - Order code 910925865219 Optic material Polymethyl methacrylate Material Nr. (12NC) 910925865219 Optical cover material Tempered glass Numerator - Quantity Per Pack 1 Fixation material Aluminum EAN/UPC - Product/Case 8718696996973 Housing Color Gray Numerator - Packs per outer box 1 Mounting device Universal for diameter 48 to 60 mm adjustable	Mechanical and Housing			
Optic material Polymethyl methacrylate Material Nr. (12NC) 910925865219 Optical cover material Tempered glass Numerator - Quantity Per Pack 1 Fixation material Aluminum EAN/UPC - Product/Case 8718696996973 Housing Color Gray Numerator - Packs per outer box 1 Mounting device Universal for diameter 48 to 60 mm adjustable	Housing Material	Aluminum die cast	- 	
Optical cover material Tempered glass Numerator - Quantity Per Pack 1 Fixation material Aluminum EAN/UPC - Product/Case 8718696996973 Housing Color Gray Numerator - Packs per outer box 1 Mounting device Universal for diameter 48 to 60 mm adjustable	Reflector material	-		
Fixation material Aluminum EAN/UPC - Product/Case 8718696996973 Housing Color Gray Numerator - Packs per outer box 1 Mounting device Universal for diameter 48 to 60 mm adjustable EAN/UPC - Case 8718696996973	Optic material	Polymethyl methacrylate		
Housing Color Gray Numerator - Packs per outer box 1 Mounting device Universal for diameter 48 to 60 mm adjustable EAN/UPC - Case 8718696996973	Optical cover material	Tempered glass		
Mounting device Universal for diameter 48 to 60 mm adjustable EAN/UPC - Case 8718696996973	Fixation material	Aluminum	· · · · · · · · · · · · · · · · · ·	
adjustable	Housing Color	Gray		
	Mounting device	Universal for diameter 48 to 60 mm	EAN/UPC - Case	8/18696996973
Optical cover shape Flat		adjustable		
	Optical cover shape	Flat		

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Dimensional drawing







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