



# ClearWay gen2

### BGP307 LED18-4S/740 I DM50 DDF27 D18 48/

ClearWay gen2, LED module 1800 lm, 740 neutral white, Safety class I, Distribution medium 50, 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	
Value ladder	Performance	
CE mark	Yes	
Warranty period	5 years	

Datasheet, 2024, March 11 data subject to change

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Binneshty mark				
Purpose	Flammability mark	-	Overall length	482 mm
Part	ENEC mark	ENEC mark	Overall width	330 mm
Upward piper unduration	EU RoHS compliant	No	Overall height	93 mm
			Effective projected area	0.1151 m²
Luminous Plux	Light Technical		Dimensions (Height x Width x Depth)	93 x 330 x 482 mm
Standard tilt angle position   0°   10°	Upward light output ratio	0		
Standard tilt angle side entry	Luminous Flux	1,584 lm	Approval and Application	
	Standard tilt angle posttop	0°	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Luminous Efficacy (rated) (Nom)         17/ In//W         differential mode and B NV common mode           Cotor readering index (CRI)         70         Sustainability rating         Lighting for circulation           Light source color         740 neutral write         Protection class IEC         Saffy class I           Optical cover type         Fliat glass         ENG2-471           Optical Cover type         Fliat glass         ENG2-471           Unminate light beam spread         159° - 31° x 54°         Photobiological risk specification         3.1 m           Optic type outdoor         Distribution medium 50         Initial Performance (IEC Compliant)           Luminous flux tolerance         1/-7%           Input Voltage         200 to 240 V         Initial chromaticity         (0.38, 0.38) 5DCM <>           Invush time         0.77 ms         Initial chromaticity         (0.38, 0.38) 5DCM <>           Power Consumption         116 W         Over Time Performance (IEC Compliant)           Connection         Pad-In connector 5-poile         Initial chromaticity         (0.38, 0.38) 5DCM <>           Cable         -         Uncertainty and a sector (Fraction)         0.98         Over Time Performance (IEC Compliant)           Canalization         -         Uncertainty and a sector (Fraction)         0.95 %         Over	Standard tilt angle side entry	0°	Mech. impact protection code	IK09 [10 J]
Sustainability rating   Lighting for circularity	Correlated Color Temperature (Nom)	4000 K	Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV
Light source color         740 neutral white         Protection class IEC         Safety class I           Optical cover type         - Flat glass         Photobiological risk         Photobiological risk group 1 @ 200 mm to DE07 Imms (Protection of Protection o	Luminous Efficacy (rated) (Nom)	137 lm/W		differential mode and 8 kV common mode
Optic type         - Optic type         Flat glass         Photobiological risk         Photobiological risk group 1 @ 200mm to ENG2471           Optic type outdoor         Distribution medium 50         ENG2471           Operating and Electrical         Initial Performance (IEC Compliant)         Initial Performance (IEC Compliant)           Input Voltage         200 to 240 V         Initial Performance (IEC Compliant)         Initial Performance (IEC Compliant)           Innush current         10 A         Initial Performance (IEC Compliant)         Initial Performance (IEC Compliant)           Innush current         10 A         Investigation (Income Received Properties of Properties Compliant)         Properties Compliant (Income Received Properties Compliant)           Innush current         10 A         Investigation (Income Received Properties Compliant)         Properties Compliant)           Innush current         10 A         Investigation (Income Received Properties Compliant)         Properties Compliant)         Properties Compliant)           Innush time         0.27 ms         Properties Compliant)         Pro	Color rendering index (CRI)	70	Sustainability rating	Lighting for circularity
Optical cover type         Flat glass         EN02471           Luminate light beam spread         154" - 31" x 54"         150" color type out of production medium SO           Operating and Electrical         Luminous flux tolerance         Initial Performance (IEC Compliant)           Diperating and Electrical         Luminous flux tolerance         1/-7%           Input Voltage         220 to 240 V         Initial chromaticity         (0.38, 0.38) SDCM -5           Line Frequency         50 to 50 Hz         Power consumption tolerance         1/-10%           Invush time         0.27 ms         Power consumption tolerance         1/-2           Power Consumption         116 W         Over Time Performance (IEC Compliant)           Power Eator (Fraction)         0.98         Over Time Performance (IEC Compliant)           Connection         0.98         Over Time Performance (IEC Compliant)           Cable         -         Over Time Performance (IEC Compliant)           Cable         -         Control in con	Light source color	740 neutral white	Protection class IEC	Safety class I
Description   Description   Description medium 50   Description   Description medium 50   Description	Optic type		Photobiological risk	Photobiological risk group 1 @ 200mm to
Optic type outdoor   Distribution medium 50   Initial Performance (IEC Compliant)   Luminous flux tolerance   1/-7%   Initial Performance (IEC Compliant)   Luminous flux tolerance   1/-7%   Initial Chromaticity   (0.38, 0.38) SDCM <5   Initial Chroma	Optical cover type	Flat glass		EN62471
Initial Performance (IEC Compliant)   Luminous flux tolerance   -y-7%   (0.38, 0.38) SDCM - 5	Luminaire light beam spread	154° - 31° x 54°	Photobiological risk specification	3.1 m
Luminous flux tolerance	Optic type outdoor	Distribution medium 50		
Initial Chromaticity			Initial Performance (IEC Compliant)	)
Power consumption toterance	Operating and Electrical		Luminous flux tolerance	+/-7%
Init. Color Rendering Index Tolerance	Input Voltage	220 to 240 V	Initial chromaticity	(0.38, 0.38) SDCM <5
Trursh time   0,27 ms	Line Frequency	50 to 60 Hz	Power consumption tolerance	+/-10%
Power Consumption         11.6 W         Over Time Performance (IEC Compliant)           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. 15 %           Cable         -         Life 50000 h         Control gear failure rate at median useful. 10 %           B         Control gear failure rate at median useful. 10 %         Life 100000 h         Lumen maintenance at median useful. 10 %           Lumen maintenance at median useful. 16 %         Lumen maintenance at median useful. 10 %         Lumen maintenance at median useful. 10 %           Lumen maintenance at median useful. 16 %         Lumen maintenance at median useful. 10 %         Lumen maintenance at median useful. 10 %           Lumen maintenance at median useful. 16 %         Lumen maintenance at median useful. 10 %         Lumen maintenance at median useful. 10 %           Lumen maintenance at median useful. 16 %         Lumen maintenance at median useful. 10 %         Lumen maintenance at median useful. 10 %           Lumen maintenance at median useful. 16 %         Lumen maintenance at median useful. 10 %         Lumen maintenance at median useful. 10 %           Lumen maintenance at median useful. 16 %         Lumen maintenance at median useful. 10 %         Lumen maintenance at median useful. 10 %           Control gear failure rate at median useful. 16 %         Lumen ma	Inrush current	12 A	Init. Color Rendering Index Tolerance	+/-2
Driver Factor (Fraction)   0.98   Driver failure rate at 5000 h   0.5 %	Inrush time	0.27 ms		
Connection Push-in connector 5-pole Life 50000 h  Number of products on MCB of 16 A type BB Life 50000 h  Number of products on MCB of 16 A type BB Life 50000 h  Number of products on MCB of 16 A type BB Life 50000 h  Number of products on MCB of 16 A type BB Life 50000 h  Number of products on MCB of 16 A type BB Life 50000 h  Number of products on MCB of 16 A type BB Life 500000 h  Number of products on MCB of 16 A type BB Life 50000 h  Number of products on MCB of 16 A type BB Life 50000 h  Number of product term at median useful 10% life 100000 h  Number of product term at median useful 10% life 100000 h  Number of product term at median useful 10% life 100000 h  Number of product term at median useful 10% life 100000 h  Number of product term at median useful 10% life 100000 h  Number of product term at median useful 10% life 100000 h  Number of product term at median useful 10% life 100000 h  Number of product term at median useful 10% life 100000 h  Number of product term at median useful 10% life 100000 h  Number of product term at median useful 10% life 100000 h  Number of product term at median useful 10% life 100000 h  Number of product term at median useful 10% life 100000 h  Number of product term at median useful 10% life 10% life 100000 h  Number of product term at median useful 10% life 10% life 100000 h  Number of product term at median useful 10% life 10% life 10% life 100000 h  Number of product term at median useful 10% life 10% life 10% life 100000 h  Number of product term at median useful 10% life 10% life 10% life 100000 h  Number of product term at median useful 10% life 10% life 10% life 100000 h  Number of product term at median useful 10% life 10%	Power Consumption	11.6 W	Over Time Performance (IEC Compl	iant)
Cable	Power Factor (Fraction)	0.98	Driver failure rate at 5000 h	0.5 %
Control gear failure rate at median useful 10 %  Itife 100000 h  Lume maintenance at median useful 10 %  Itife 100000 h  Lume maintenance at median useful 10 %  Itife 100000 h  Lume maintenance at median useful 10 %  Itife 100000 h  Application Conditions  Performance ambient temperature Tq 25 °C  Maximum dim level 0% (digital)  Product Data  Order product Data  Order product name BGP307 LED18-4S/740 I DM50 DDF27 D18  48/  Mechanical and Housing Housing Material Aluminum die cast  Reflector material Polymethyl methacrylate Optical cover material Aluminum Housing Color Gray  Mounting device Universal for diameter 48 to 60 mm adjustable Optical cover shape Fiat	Connection	Push-in connector 5-pole	Control gear failure rate at median useful	. 5 %
B   Life 10000 h   Lumen maintenance at median useful   L97	Cable	-	life 50000 h	
Lumen maintenance at median useful life* 100000 h    Lumen maintenance at median useful life* 100000 h   Lumenature Tq 25 °C     Maximum din level	Number of products on MCB of 16 A type	2 48	Control gear failure rate at median useful	. 10 %
Itife* 100000 h   Ambient temperature range	В		life 100000 h	
Application Conditions  Controls and Dimming  Dimmable Yes Maximum dim level O'' (digital)  Product Data  Control interface Constant light output No  Mechanical and Housing Housing Material Reflector material Optic material Polymethyl methacrylate Optical cover material Housing Color Gray Mounting device Universal for diameter 48 to 60 mm adjustable  Performance ambient temperature Tq 25 °C Maximum dim level O'' (digital) O'' (digital)  Product Data O'' (digital)  Product Data O'' (digital) O'' (digit			Lumen maintenance at median useful	L97
Application Conditions  Controls and Dimming Dimmable Yes Maximum dim level O% (digital)  Product Data  Control interface Constant light output No  Mechanical and Housing Housing Material Aluminum die cast Reflector material Optic material Optical cover material Housing Color  Gray Maximum dim level O% (digital)  Product Data Order product name BGP307 LED18-4S/740 I DM50 DDF27 D18 48/  Full product name BGP307 LED18-4S/740 I DM50 DDF27 D18 48/  Full product name BGP307 LED18-4S/740 I DM50 DDF27 D18 48/  Full product code 871869699608900  Order code 910925865129  Material Nr. (12NC) 910925865129  Material Nr. (12NC) 910925865129  Mumerator - Quantity Per Pack 1  EAN/UPC - Product/Case 8718696996089  Numerator - Packs per outer box 1  EAN/UPC - Case 8718696996089	Temperature		life* 100000 h	
Performance ambient temperature Tq 25 °C	Ambient temperature range	-40 to +50 °C		
Dimmable Yes  Driver/power unit/transformer Power supply unit with DynaDimmer  Control interface - Product Data  Constant light output No Order product name BGP307 LED18-4S/740   DM50 DDF27 D18 48/  Mechanical and Housing Housing Aluminum die cast Seffector material Aluminum die cast Pull product code S71869699608900  Optic material Polymethyl methacrylate Order code 910925865129  Optical cover material Aluminum Material Aluminum Material Numerator - Quantity Per Pack 1  Housing Color Gray Housing Color Gray S718696996089  Optical cover shape Flat			Application Conditions	
Driver/power unit/transformer Power supply unit with DynaDimmer  Control interface - Product Data  Constant light output No Order product name BGP307 LED18-4S/740 I DM50 DDF27 D18  Mechanical and Housing Housing Housing Material Aluminum die cast Full product code 871869699608900  Optic material Polymethyl methacrylate Order code 910925865129  Optical cover material Aluminum Material Aluminum Mumerator - Quantity Per Pack 1  EAN/UPC - Product/Case 8718696996089  Optical cover shape Flat	Controls and Dimming		Performance ambient temperature Tq	25 °C
Control interface - Product Data  Constant light output No  Mechanical and Housing Housing Material Aluminum die cast  Reflector material Polymethyl methacrylate Optical cover material Aluminum Housing Color Gray  Mounting device Optical cover shape  Product Data  Order product name BGP307 LED18-4S/740 I DM50 DDF27 D18 48/  Full product name BGP307 LED18-4S/740 I DM50 DDF27 D18 48/  Full product code 871869699608900  Order code 910925865129  Material Nr. (12NC) 910925865129  Numerator - Quantity Per Pack 1  EAN/UPC - Product/Case 8718696996089  Numerator - Packs per outer box 1  EAN/UPC - Case 8718696996089	Dimmable	Yes	Maximum dim level	0% (digital)
Constant light output  No  Order product name  BGP307 LED18-4S/740   DM50 DDF27 D18  48/  Mechanical and Housing  Housing Material  Aluminum die cast  Reflector material  Optic material  Polymethyl methacrylate  Optical cover material  Tempered glass  Fixation material  Aluminum  Numerator - Quantity Per Pack  Housing Color  Gray  Mounting device  Universal for diameter 48 to 60 mm adjustable  Optical cover shape  Flat	Driver/power unit/transformer	Power supply unit with DynaDimmer		
Mechanical and Housing Housing Material Aluminum die cast Reflector material Optic material Polymethyl methacrylate Optical cover material Tempered glass Fixation material Aluminum Housing Color Mounting device Universal for diameter 48 to 60 mm adjustable Optical cover shape Flat  Aluminum  48/ Full product name BGP307 LED18-4S/740 I DM50 DDF27 D18 48/ Full product code 871869699608900  Order code 910925865129  Material Nr. (12NC) 910925865129  Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718696996089  Numerator - Packs per outer box 1 EAN/UPC - Case 8718696996089	Control interface	-		
Mechanical and HousingFull product nameBGP307 LED18-4S/740 I DM50 DDF27 D18 48/Housing MaterialAluminum die cast48/Reflector material-Full product code871869699608900Optic materialPolymethyl methacrylateOrder code910925865129Optical cover materialTempered glassMaterial Nr. (12NC)910925865129Fixation materialAluminumNumerator - Quantity Per Pack1Housing ColorGrayEAN/UPC - Product/Case8718696996089Mounting deviceUniversal for diameter 48 to 60 mm adjustableNumerator - Packs per outer box1Optical cover shapeFlat	Constant light output	No	Order product name	
Housing Material Aluminum die cast  Reflector material -				<u> </u>
Reflector material - Full product code 871869699608900  Optic material Polymethyl methacrylate Order code 910925865129  Optical cover material Tempered glass Material Nr. (12NC) 910925865129  Fixation material Aluminum Numerator - Quantity Per Pack 1  Housing Color Gray EAN/UPC - Product/Case 8718696996089  Mounting device Universal for diameter 48 to 60 mm adjustable EAN/UPC - Case 8718696996089  Optical cover shape Flat	Mechanical and Housing		Full product name	
Optic material       Polymethyl methacrylate       Order code       910925865129         Optical cover material       Tempered glass       Material Nr. (12NC)       910925865129         Fixation material       Aluminum       Numerator - Quantity Per Pack       1         Housing Color       Gray       EAN/UPC - Product/Case       8718696996089         Mounting device       Universal for diameter 48 to 60 mm adjustable       Numerator - Packs per outer box       1         EAN/UPC - Case       8718696996089	Housing Material	Aluminum die cast		·
Optical cover material Tempered glass Material Nr. (12NC) 910925865129  Fixation material Aluminum Numerator - Quantity Per Pack 1  Housing Color Gray EAN/UPC - Product/Case 8718696996089  Mounting device Universal for diameter 48 to 60 mm adjustable EAN/UPC - Case 8718696996089  Optical cover shape Flat	Reflector material		- <del></del>	
Fixation material Aluminum Numerator - Quantity Per Pack 1  Housing Color Gray EAN/UPC - Product/Case 8718696996089  Mounting device Universal for diameter 48 to 60 mm adjustable EAN/UPC - Case 8718696996089  Optical cover shape Flat	Optic material	Polymethyl methacrylate		
Housing Color   Gray   EAN/UPC - Product/Case   8718696996089	Optical cover material	Tempered glass		
Mounting device Universal for diameter 48 to 60 mm adjustable  Plat  Numerator - Packs per outer box 1  EAN/UPC - Case 8718696996089  Plat	Fixation material	Aluminum		
Adjustable EAN/UPC - Case 8718696996089  Optical cover shape Flat	Housing Color	Gray	- <del></del>	
Optical cover shape Flat	Mounting device	Universal for diameter 48 to 60 mm	· · · · · · · · · · · · · · · · · · ·	
		adjustable	EAN/UPC - Case	8718696996089
Optical cover finish Clear	Optical cover shape	Flat		
	Optical cover finish	Clear		

## ClearWay gen2

#### Dimensional drawing







