



# ClearWay gen2

#### BGP307 LED25-4S/740 II DM11 CLO 48/60S

ClearWay gen2, LED Module 2500 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	LED25 [LED Module 2500 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	-	

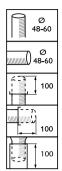
Datasheet, 2024, March 14 data subject to change

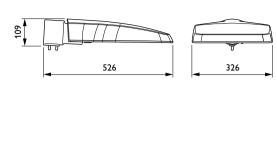
## ClearWay gen2

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	2,088 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	15.6 W	Luminous flux tolerance	+/-7%
Average CLO power consumption	16 W	Initial chromaticity	(0.38, 0.38) SDCM <5
End CLO power consumption	16.2 W	Power consumption tolerance	+/-10%
Inrush current	12 A	Init. Color Rendering Index Tolerance	+/-2
Inrush time	0.27 ms		
		Over Time Performance (IEC Compliant)	
Power Consumption	15.6 W	Over Time Performance (IEC Compl	iant)
Power Consumption Power Factor (Fraction)	15.6 W 0.99	Over Time Performance (IEC Complete Control gear failure rate at median useful	
Power Factor (Fraction)	0.99	Control gear failure rate at median useful	5%
Power Factor (Fraction)  Connection	0.99 Push-in connector 5-pole	Control gear failure rate at median useful life 50000 h	5%
Power Factor (Fraction)  Connection  Cable	0.99 Push-in connector 5-pole	Control gear failure rate at median useful life 50000 h Control gear failure rate at median useful	5%
Power Factor (Fraction)  Connection  Cable  Number of products on MCB of 16 A type	0.99 Push-in connector 5-pole	Control gear failure rate at median useful life 50000 h Control gear failure rate at median useful life 100000 h	1 10 %
Power Factor (Fraction)  Connection  Cable  Number of products on MCB of 16 A type	0.99 Push-in connector 5-pole	Control gear failure rate at median useful life 50000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful	1 10 %
Power Factor (Fraction)  Connection  Cable  Number of products on MCB of 16 A types  B	0.99 Push-in connector 5-pole	Control gear failure rate at median useful life 50000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful	10 %
Power Factor (Fraction)  Connection  Cable  Number of products on MCB of 16 A type B  Temperature	0.99 Push-in connector 5-pole - 20	Control gear failure rate at median useful life 50000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h	10 %
Power Factor (Fraction)  Connection  Cable  Number of products on MCB of 16 A type B  Temperature	0.99 Push-in connector 5-pole - 20	Control gear failure rate at median useful life 50000 h  Control gear failure rate at median useful life 100000 h  Lumen maintenance at median useful life* 100000 h  Application Conditions	5 % 10 % L100
Power Factor (Fraction)  Connection  Cable  Number of products on MCB of 16 A type B  Temperature  Ambient temperature range	0.99 Push-in connector 5-pole - 20	Control gear failure rate at median useful life 50000 h  Control gear failure rate at median useful life 100000 h  Lumen maintenance at median useful life* 100000 h  Application Conditions  Performance ambient temperature Tq	. 5 % . 10 % L100
Power Factor (Fraction)  Connection  Cable  Number of products on MCB of 16 A type B  Temperature  Ambient temperature range  Controls and Dimming	0.99  Push-in connector 5-pole  - 20  -40 to +50 °C	Control gear failure rate at median useful life 50000 h  Control gear failure rate at median useful life 100000 h  Lumen maintenance at median useful life* 100000 h  Application Conditions  Performance ambient temperature Tq	. 5 % . 10 % L100
Power Factor (Fraction)  Connection  Cable  Number of products on MCB of 16 A type B  Temperature  Ambient temperature range  Controls and Dimming  Dimmable	0.99  Push-in connector 5-pole  - 20  -40 to +50 °C	Control gear failure rate at median useful life 50000 h  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	. 5 % . 10 % L100
Power Factor (Fraction)  Connection  Cable  Number of products on MCB of 16 A type B  Temperature  Ambient temperature range  Controls and Dimming  Dimmable  Driver/power unit/transformer	O.99  Push-in connector 5-pole  - 20  -40 to +50 °C  No  Power supply unit (On/Off)	Control gear failure rate at median useful life 50000 h  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	1.5 %  1.10 %  1.10 0  2.5 °C  0% (digital)
Power Factor (Fraction)  Connection  Cable  Number of products on MCB of 16 A type B  Temperature  Ambient temperature range  Controls and Dimming  Dimmable  Driver/power unit/transformer  Control interface	O.99  Push-in connector 5-pole  - 20  -40 to +50 °C  No  Power supply unit (On/Off)  -	Control gear failure rate at median useful life 50000 h  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	10 % L100  25 °C 0% (digital)  BGP307 LED25-4S/740 II DM11 CLO 48/60S
Power Factor (Fraction)  Connection  Cable  Number of products on MCB of 16 A type B  Temperature  Ambient temperature range  Controls and Dimming  Dimmable  Driver/power unit/transformer  Control interface	O.99  Push-in connector 5-pole  - 20  -40 to +50 °C  No  Power supply unit (On/Off)  -	Control gear failure rate at median useful life 50000 h  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	1 5 %  L100  L100  25 °C  0% (digital)  BGP307 LED25-4S/740 II DM11 CLO 48/60S  BGP307 LED25-4S/740 II DM11 CLO 48/60S
Power Factor (Fraction)  Connection  Cable  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	O.99  Push-in connector 5-pole  - 20  -40 to +50 °C  No  Power supply unit (On/Off)  -	Control gear failure rate at median useful life 50000 h  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	10 %  L100  25 ℃  0% (digital)  BGP307 LED25-4S/740 II DM11 CLO 48/60S  BGP307 LED25-4S/740 II DM11 CLO 48/60S  871869699704800
Power Factor (Fraction)  Connection  Cable  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	O.99  Push-in connector 5-pole  - 20  -40 to +50 °C  No  Power supply unit (On/Off)  - Yes	Control gear failure rate at median useful life 50000 h  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	10 %  L100  25 °C  0% (digital)  BGP307 LED25-4S/740 II DM11 CLO 48/60S  BGP307 LED25-4S/740 II DM11 CLO 48/60S  871869699704800  910925865226
Power Factor (Fraction)  Connection  Cable  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	O.99  Push-in connector 5-pole  - 20  -40 to +50 °C  No Power supply unit (On/Off)  - Yes  Aluminum die cast	Control gear failure rate at median useful life 50000 h  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)	10 % L100  25 °C 0% (digital)  BGP307 LED25-4S/740 II DM11 CLO 48/60S BGP307 LED25-4S/740 II DM11 CLO 48/60S 871869699704800 910925865226 910925865226
Power Factor (Fraction)  Connection  Cable  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	O.99  Push-in connector 5-pole  - 20  -40 to +50 °C  No Power supply unit (On/Off)  - Yes  Aluminum die cast -	Control gear failure rate at median useful life 50000 h 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	10 %  L100  25 °C  0% (digital)  BGP307 LED25-4S/740    DM11 CLO 48/60S  BGP307 LED25-4S/740    DM11 CLO 48/60S  871869699704800  910925865226  910925865226  1
Power Factor (Fraction)  Connection  Cable  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	O.99  Push-in connector 5-pole  - 20  -40 to +50 °C  No  Power supply unit (On/Off)  - Yes  Aluminum die cast  - Polymethyl methacrylate	Control gear failure rate at median useful life 50000 h 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	25 °C 0% (digital)  BGP307 LED25-4S/740 II DM11 CLO 48/60S BGP307 LED25-4S/740 II DM11 CLO 48/60S 871869699704800 910925865226 910925865226 1 8718696997048
Power Factor (Fraction)  Connection  Cable  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	O.99  Push-in connector 5-pole  - 20  -40 to +50 °C  No  Power supply unit (On/Off)  - Yes  Aluminum die cast  - Polymethyl methacrylate  Tempered glass	Control gear failure rate at median useful life 50000 h  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	10 %  L100  25 °C  0% (digital)  BGP307 LED25-4S/740 II DM11 CLO 48/60S  BGP307 LED25-4S/740 II DM11 CLO 48/60S  871869699704800  910925865226  910925865226  1  8718696997048  1
Power Factor (Fraction)  Connection  Cable  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	O.99  Push-in connector 5-pole  - 20  -40 to +50 °C  No Power supply unit (On/Off)  - Yes  Aluminum die cast  - Polymethyl methacrylate Tempered glass Aluminum	Control gear failure rate at median useful life 50000 h  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	10 %  L100  25 °C  0% (digital)  BGP307 LED25-4S/740 II DM11 CLO 48/60S  BGP307 LED25-4S/740 II DM11 CLO 48/60S  871869699704800  910925865226  910925865226  1  8718696997048  1
Power Factor (Fraction)  Connection  Cable  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	O.99  Push-in connector 5-pole  - 20  -40 to +50 °C  No Power supply unit (On/Off)  - Yes  Aluminum die cast  - Polymethyl methacrylate Tempered glass Aluminum Gray	Control gear failure rate at median useful life 50000 h  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	10 %  L100  25 °C  0% (digital)  BGP307 LED25-4S/740 II DM11 CLO 48/60S  BGP307 LED25-4S/740 II DM11 CLO 48/60S  871869699704800  910925865226  910925865226  1  8718696997048  1

### ClearWay gen2

#### Dimensional drawing







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