ClearWay gen2

BGP307 LED54-4S/740 I DM50 48/60S

ClearWay gen2, LED module 5400 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	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	-

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ENEC mark	ENEC mark		**Overall length**	482 mm
EU RoHS compliant	No		**Overall width**	330 mm
			Overall height	93 mm
Light Technical			**Effective projected area**	0.1151 m²
Upward light output ratio	0		**Dimensions (Height x Width x Depth)**	93 x 330 x 482 mm
Luminous Flux	4,698 lm			
Standard tilt angle posttop	0°		**Approval and Application**	
Standard tilt angle side entry	0°		**Ingress protection code**	IP66 [Dust penetration-protected, jet-proof]
Correlated Color Temperature (Nom)	4000 K		**Mech. impact protection code**	IK09 [10 J]
Luminous Efficacy (rated) (Nom)	140 lm/W		**Surge Protection (Common/Differential)**	Luminaire surge protection level until 6 kV
Color rendering index (CRI)	70			differential mode and 8 kV common mode
Light source color	740 neutral white		**Sustainability rating**	Lighting for circularity
Optic type	–		**Protection class IEC**	Safety class I
Optical cover type	Flat glass		**Photobiological risk**	Photobiological risk group 1 @ 200mm to
Luminaire light beam spread	154° – 31° x 54°			EN62471
Optic type outdoor	Distribution medium 50		**Photobiological risk specification**	3.1 m

Operating and Electrical			**Initial Performance (IEC Compliant)**	
Input Voltage	220 to 240 V		**Luminous flux tolerance**	+/-7%
Line Frequency	50 to 60 Hz		**Initial chromaticity**	(0.38, 0.38) SDCM <5
Inrush current	43 A		**Power consumption tolerance**	+/-10%
Inrush time	0.26 ms		**Init. Color Rendering Index Tolerance**	+/-2
Power Consumption	33.5 W			
Power Factor (Fraction)	0.97		**Over Time Performance (IEC Compliant)**	
Connection	Push-in connector 5-pole		**Driver failure rate at 5000 h**	0.5 %
Cable	–		**Control gear failure rate at median useful life 50000 h**	5 %
Number of products on MCB of 16 A type B	10		**Control gear failure rate at median useful life 100000 h**	10 %
			Lumen maintenance at median useful life* 100000 h	L96
Temperature				
Ambient temperature range	–40 to +50 °C		**Application Conditions**	
			Performance ambient temperature Tq	25 °C
Controls and Dimming			**Maximum dim level**	Not applicable
Dimmable	No			
Driver/power unit/transformer	Power supply unit (On/Off)		**Product Data**	
Control interface	–		**Order product name**	BGP307 LED54-4S/740 I DM50 48/60S
Constant light output	No		**Full product name**	BGP307 LED54-4S/740 I DM50 48/60S
			Full product code	871869698801500
Mechanical and Housing			**Order code**	910925864589
Housing Material	Aluminum die cast		**Material Nr. (12NC)**	910925864589
Reflector material	–		**Numerator – Quantity Per Pack**	1
Optic material	Polymethyl methacrylate		**EAN/UPC – Product/Case**	8718696988015
Optical cover material	Tempered glass		**Numerator – Packs per outer box**	1
Fixation material	Aluminum		**EAN/UPC – Case**	8718696988015
Housing Color	Gray			
Mounting device	Universal for diameter 48 to 60 mm adjustable			
Optical cover shape	Flat			
Optical cover finish	Clear			

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Dimensional drawing

Ø 76

109

100

526

326