



# ClearWay gen2

## BGP307 LED35-4S/740 I DM50 48/60S

ClearWay gen2, Road & street light, 21.5 W, 3080 lm, 4000 K, CRI70, Distribution medium 50, Safety class I, IP66

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	LED35 [LED module 3500 lm]		device, optics, front cover and mechanical parts
Light source replaceable	Yes	Warranty period	5 years
Number of gear units	1 unit	Sustainability rating	Signify Circle
Driver included	Yes		
Light source engine type	LED	Light Technical	
Service tag	Yes	Upward light output ratio	0
Lighting Technology	LED	Luminous Flux	3,080 lm
Value ladder	Performance	Correlated Color Temperature (Nom)	4000 K
Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection	Luminous Efficacy (rated) (Nom)	143 lm/W
		Color rendering index (CRI)	70
		Light source color	740 neutral white

## ClearWay gen2

Optic type	-
Luminaire light beam spread	154° - 31° x 54°
Optic type outdoor	Distribution medium 50
Effective projected area	0.1151 m <sup>2</sup>

### Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	43 A
Inrush time	0.26 ms
Power Consumption	21.5 W
Power Factor (Fraction)	0.93
Connection	Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type B	30
Protection class IEC	Safety class I
Surge Protection (Common/Differential)	Surge protection level until 6 kV differential mode and 8 kV common mode

### Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
Maximum dim level	Not applicable

### Mechanical and Housing

Housing Material	Aluminum die cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Tempered glass
Fixation material	Aluminum
Housing Color	Gray
Mounting device	Universal for diameter 48 to 60 mm adjustable
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	482 mm
Overall width	330 mm
Overall height	93 mm
Dimensions (Height x Width x Depth)	93 x 330 x 482 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Optical cover type	Flat glass
Net Weight (Piece)	4.750 kg

### Approval and Application

Flammability mark	-
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CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 1 @ 200mm to EN62471
Photobiological risk specification	3.1 m
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
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
Ambient temperature range	-40 to +50 °C

### Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.38, 0.38) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

### Over Time Performance (IEC Compliant)

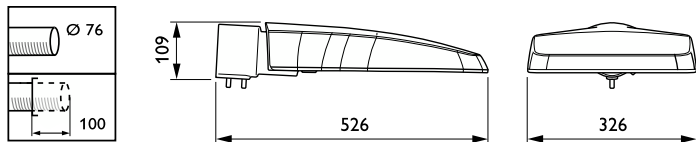
Driver failure rate at 5000 h	0.5 %
Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L99
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L97

### Product Data

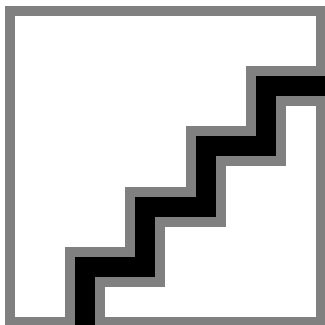
Order product name	BGP307 LED35-4S/740 I DM50 48/60S
Full product name	BGP307 LED35-4S/740 I DM50 48/60S
Full product code	871869698798800
Order code	98798800
Material Nr. (12NC)	910925864586
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696987988
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696987988
Product family code	BGP307 [ClearWay gen2]

## ClearWay gen2

### Dimensional drawing



### Photometric data



Polar Normal (separate) - BGP307I - 910925864586

