



BGP307 LED-HB-4S/740 II  
DM12 CLL CLO D18

910925868865



ClearWay gen2, Road & street light, 15.6 W, 2136  
lm, 4000 K, CRI70, Programmable (via DALI or NFC)  
stand-alone dimming, Distribution medium 12,  
Safety class II, IP66

Road & street light, Aluminum die cast, Gray, Universal for diameter 48 to 60 mm  
adjustable, Power supply unit regulating, Constant light output, 2136 lm, 15.6 W, 137  
lm/W, 4000 K, (0.38, 0.38) SDCM <5, CRI70, Distribution medium 12, IP66 | Dust  
penetration-protected, jet-proof, IK09 | 10 J, Safety class II, Surge protection level  
until 6 kV differential mode and 8 kV common mode, Cable 10 m without plug 2-pole,  
Push-in connector 5-pole

## General Information

Lamp family code	LED25 [LED Module 2500 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Lighting Technology	LED
Value ladder	Performance
Warranty period	5 years

## Light Technical

Upward light output ratio	0
Luminous Flux	2,136 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	137 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Luminaire light beam spread	160° - 42° x 54°
Optic type outdoor	Distribution medium 12
Effective projected area	0.1151 m <sup>2</sup>

## Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	15.6 W
Average CLO power consumption	16 W
End CLO power consumption	16.2 W
Inrush current	12 A
Inrush time	0.27 ms
Power Consumption	15.6 W
Power Factor (Fraction)	0.99
Connection	Push-in connector 5-pole
Cable	Cable 10 m without plug 2-pole
Number of products on MCB of 16 A type B	10

Protection class IEC	Safety class II
Surge Protection (Common/Differential)	Surge protection level until 6 kV differential mode and 8 kV common mode

## Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit regulating
Control interface	Programmable (via DALI or NFC) stand-alone dimming
Constant light output	Yes
DALI Standard	DALI-2™
Maximum dim level	0% (digital)
Embedded control	Constant light output

## 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)	5.815 kg

## Approval and Application

Flammability mark	-
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
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)

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	L100
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L100

## Sustainability Data

Sustainability rating	Signify Circle
Repair class	Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time.

Embedded carbon (A1-A3)	102 kg CO <sub>2</sub> e
Product non-virgin material ratio	5.83 %
Recyclable content ratio of the finished product	50.9 %
GWP total B6 (kg CO <sub>2</sub> eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2</sub> eq / kwh)
GWP total B6 (kg CO <sub>2</sub> eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO <sub>2</sub> eq / kwh)
Non-virgin material ratio of the packaging	Cardboard > 80% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80%
Packaging Material	Cardboard

## Product Data

Order product name	BGP307 LED-HB-4S/740 II DM12 CLL CLO D18
Full product name	BGP307 LED-HB-4S/740 II DM12 CLL CLO D18
Full product code	871951473811900
Order code	910925868865
Material Nr. (12NC)	910925868865
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514738119
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514738119
Product family code	BGP307 [CLEARWAY GEN2]

## Dimensional drawing

