# **PHILIPS** Lighting



# **ClearWay gen2**

# BGP307 LED30-4S/740 I DM50 DDF27 D18 48/

ClearWay gen2, LED module 3000 lm, 740 neutral white, Safety class I, Distribution medium 50, Universal for diameter 48 to 60 mm adjustable

The 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 minimise your Total Cost of Ownership. The 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	LED30 [LED module 3000 lm]
Light source replaceable	Yes
Number of gear units	Unit
Driver included	Yes
Remarks	*- According to the Lighting Europe guidance
	paper 'Evaluating performance of LED based
	luminaires – January 2018': statistically there
	is no relevant difference in lumen
	maintenance between the B50 and, for
	example, the 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	-
ENEC mark	ENEC mark

### ClearWay gen2

EU RoHS compliant	No
Light Technical	
Upwards light output ratio	0
Luminous Flux	2,610 lm
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	133 lm/W
Colour rendering index (CRI)	70
Light source colour	740 neutral white
Optic type	-
Optical cover type	Flat glass
Luminaire light beam spread	154° - 31° x 54°
Optic type outdoor	Distribution medium 50

#### **Operating and Electrical**

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	12 A
Inrush time	0.27 ms
Power Consumption	19.6 W
Power Factor (Fraction)	0.99
Connection	Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type	20

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#### Temperature

Ambient temperature range

**Controls and Dimming** 

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DynaDimmer
Control interface	-
Constant light output	No

-40 to +50 °C

#### Mechanical and Housing Housing material Aluminium die cast Reflector material Optic material Polymethyl methacrylate Optical cover/lens material Tempered glass Fixation material Aluminium Housing Colour Grey Mounting device Universal for diameter 48 to 60 mm adjustable Optical cover/lens shape Flat Optical cover/lens finish Clear

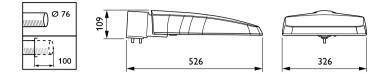
482 mm

Overall width	330 mm
Overall height	93 mm
Effective projected area	0.1151 m <sup>2</sup>
Dimensions (height x width x depth)	93 x 330 x 482 mm
Approval and Application	
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	Luminaire surge protection level up to 6 kV
	differential mode and 8 kV common mode
Sustainability rating	Lighting for circularity
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 1 @ 200mm to
	EN62471
Photobiological risk specification	3.1 m
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
Over Time Performance (IEC Compl	iant)
Driver failure rate at 5,000 hours	0.5 %
Control gear failure rate at median useful	5 %
life 50,000 h	
Control gear failure rate at median useful	10 %
life 100,000 h	
Lumen maintenance at median useful	L96
life* 100,000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	0% (digital)
Product Data	
Order product name	BGP307 LED30-4S/740 I DM50 DDF27 D18
	48/
Full product name	BGP307 LED30-4S/740 I DM50 DDF27 D18
	48/
Full EOC	871869699609600
Order code	99609600
Material no. (12 NC)	910925865130
SAP numerator - quantity per pack	1
EAN/UPC — Product/Case	8718696996096
	1
Numerator – packs per outer box	1

Overall length

## ClearWay gen2

#### Dimensional drawing





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