![Philips Lighting logo]

CitySphere

BDP780 GRN70/740/BL PSD DM RB DGR D9 60P

CitySphere, LED GreenLine 7000 lm, Distribution medium, Post-top for diameter 60 mm

At a time of rapidly changing social practices, every city is looking to be more attractive, welcoming, convenient and safe. CitySphere is a post-top ambiance LED luminaire designed to create a comfortable and pleasant atmosphere that puts the users of public spaces at ease. A slim, discreet presence during the day, it brings urban spaces to life at night. CitySphere delivers a visually comfortable volume of light and gives the city its own colour signature. CitySphere comes with dedicated spigots, brackets and poles, enabling development planners, specifiers and decision makers to create a consistent urban identity and ambience.

Product data

General Information

Lamp family code	GRN70 [LED GreenLine 7000 lm]
Light source replaceable	No
Number of gear units	2 units
Driver included	Yes
Photocell	–
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.
Light source engine type	LED
Product family code	BDP780 [CitySphere]

Lighting Technology

Lighting Technology	LED
Value ladder	Specification
Embedded control	–
CE mark	Yes
Warranty period	3 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	Yes

Light Technical

Upwards light output ratio	0.03
Luminous Flux	5,600 lm
Standard tilt angle post-top	0°

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Standard tilt angle side entry	0°		**Overall height**	662 mm
Correlated Colour Temperature	4000 K		**Overall diameter**	661 mm
Luminous efficacy (rated) (nom.)	100 lm/W		**Effective projected area**	0.343 m²
Colour rendering index (CRI)	70			
Light source colour	740 neutral white		**Approval and Application**	
Optical cover type	Polycarbonate bowl/cover UV-resistant		**Ingress protection code**	IP66 [Dust penetration-protected, jet-proof]
Luminaire light beam spread	148° x 88°		**Mech. impact protection code**	IK10 [20 J vandal-resistant]
Optic type outdoor	Distribution medium		**Surge Protection (Common/Differential)**	Philips standard surge-protection level
			Protection class IEC	Safety class I
Operating and Electrical				
Input Voltage	220 to 240 V		**Initial Performance (IEC Compliant)**	
Line Frequency	50 to 60 Hz		**Luminous flux tolerance**	+/-7%
Inrush current	70 A		**Initial chromaticity**	(0.381, 0.379) SDCM <5
Inrush time	0.19 ms		**Power consumption tolerance**	+/-10%
Power Consumption	56 W		**Init. Color Rendering Index Tolerance**	+/-2
Power Factor (Fraction)	0.9			
Connection	Connection unit 5-pole		**Over Time Performance (IEC Compliant)**	
Cable	Cable 1.8 m without plug		**Control gear failure rate at median useful life 100,000 h**	10 %
Number of products on MCB of 16 A type B	9		**Lumen maintenance at median useful life* 100,000 h**	L80
Temperature			**Application Conditions**	
Ambient temperature range	–40 to +50 ℃		**Performance ambient temperature Tq**	25 ℃
			Maximum dim level	10%
Controls and Dimming				
Dimmable	Yes		**Product Data**	
Driver/power unit/transformer	Power supply unit with DALI interface		**Order product name**	BDP780 GRN70/740/BL PSD DM RB DGR D9 60P
Control interface	DALI			
Constant light output	No		**Full product name**	BDP780 GRN70/740/BL PSD DM RB DGR D9 60P
Mechanical and Housing			**Full EOC**	871794317684700
Housing material	Aluminium		**Order code**	17684700
Reflector material	Polycarbonate		**Material no. (12 NC)**	912300022731
Optic material	Polycarbonate		**SAP numerator – quantity per pack**	1
Optical cover/lens material	Polycarbonate		**EAN/UPC — Product/Case**	8717943176847
Fixation material	Aluminium		**Numerator – packs per outer box**	1
Housing Colour	Dark grey		**EAN/UPC – Case**	8717943176847
Mounting device	Post-top for diameter 60 mm			
Optical cover/lens shape	Conical			
Optical cover/lens finish	Ribbed			

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Dimensional drawing

www.lighting.philips.com

2023, April 30 – data subject to change