PHILIPS Lighting



CitySphere

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

CitySphere, LED GreenLine 7000 lm, Distribution medium, Posttop 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	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°

CitySphere

Standard tilt angle side entry	0°
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	100 lm/W
Colour rendering index (CRI)	70
Light source colour	740 neutral white
Optical cover type	Polycarbonate bowl/cover UV-resistant
Luminaire light beam spread	148° x 88°
Optic type outdoor	Distribution medium

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	70 A
Inrush time	0.19 ms
Power Consumption	56 W
Power Factor (Fraction)	0.9
Connection	Connection unit 5-pole
Cable	Cable 1.8 m without plug
Number of products on MCB of 16 A type	9
В	

Temperature

Ambient temperature range

Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

-40 to +50 °C

Mechanical and Housing

Housing material	Aluminium
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Aluminium
Housing Colour	Dark grey
Mounting device	Post-top for diameter 60 mm
Optical cover/lens shape	Conical
Optical cover/lens finish	Ribbed

Overall height	662 mm
Overall diameter	661 mm
Effective projected area	0.343 m²

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK10 [20 J vandal-resistant]
Surge Protection (Common/Differential)	Philips standard surge-protection level
Protection class IEC	Safety class I

Initial Performance (IEC Compliant) +/-7% Luminous flux tolerance Initial chromaticity (0.381, 0.379) SDCM <5 +/-10% Power consumption tolerance Init. Color Rendering Index Tolerance

+/-2

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful 10 % life 100,000 h Lumen maintenance at median useful L80

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	10%

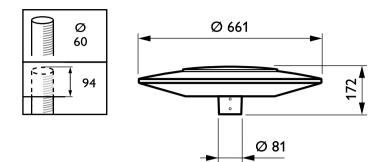
Product Data

life* 100,000 h

BDP780 GRN70/740/GN PSD DM RB DGR
D9 60P
BDP780 GRN70/740/GN PSD DM RB DGR
D9 60P
871794317686100
17686100
912300022733
1
8717943176861
1
8717943176861

CitySphere

Dimensional drawing





© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, April 30 - data subject to change