CitySphere

BDP780 GRN60/830/BL PSU DS RB DGR CLO 60

CitySphere, LED GreenLine 6000 lm, Distribution symmetrical, Constant light output, 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 color 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	GRN60 [LED GreenLine 6000 lm]
Light source replaceable	No
Number of gear units	2 units
Driver included	Yes
Photocell	–
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.
Light source engine type	LED
Product family code	BDP780 [CitySphere]
Lighting Technology	LED

Value ladder	Specification
Embedded control	Constant light output
CE mark	Yes
Warranty period	3 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 ℃, duration 5 s
EU RoHS compliant	Yes

Light Technical

Upward light output ratio	0.03
Luminous Flux	4,590 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°

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Correlated Color Temperature (Nom)	3000 K	**Optical cover finish**	Ribbed
Luminous Efficacy (rated) (Nom)	83 lm/W	**Overall height**	662 mm
Color rendering index (CRI)	80	**Overall diameter**	661 mm
Light source color	830 warm white	**Effective projected area**	0.343 m²
Optical cover type	Polycarbonate bowl/cover UV-resistant		
Luminaire light beam spread	148° x 148°		
Optic type outdoor	Distribution symmetrical		

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

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	44 W
Average CLO power consumption	49.5 W
End CLO power consumption	55 W
Inrush current	70 A
Inrush time	0.19 ms
Power Consumption	55 W
Power Factor (Fraction)	0.9
Connection	Connection unit 3-pole
Cable	Cable 1.8 m without plug
Number of products on MCB of 16 A type B	9

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.410, 0.390) SDCM <3
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L100

Temperature

Ambient temperature range	-40 to +50 °C

Application Conditions

Performance ambient temperature Tq	25 °C

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	Yes

Product Data

Order product name	BDP780 GRN60/830/BL PSU DS RB DGR CLO 60
Full product name	BDP780 GRN60/830/BL PSU DS RB DGR CLO 60
Full product code	871794317634200
Order code	17634200
Material Nr. (12NC)	912300022680
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8717943176342
Numerator – Packs per outer box	1
EAN/UPC – Case	8717943176342

Mechanical and Housing

Housing Material	Aluminum
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Dark gray
Mounting device	Post-top for diameter 60 mm
Optical cover shape	Conical

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Dimensional drawing

www.lighting.philips.com

2023, April 30 – data subject to change