# **PHILIPS** Lighting



# CitySphere

# BDP780 GRN60/830 PSU DS RB DGR CLO 60P

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	1 unit
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. * At
	extreme ambient temperatures the luminaire
	might automatically dim down to protect
	components

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 °C, duration 5 s
EU RoHS compliant	Yes
Light Technical	
Upward light output ratio	0.03

## CitySphere

Luminous Flux	4,590 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 К
Luminous Efficacy (rated) (Nom)	83 lm/W
Color rendering index (CRI)	80
Light source color	830 warm white
Optical cover type	Polycarbonate bowl/cover UV-resistant
Luminaire light beam spread	148° x 148°
Optic type outdoor	Distribution symmetrical

#### **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	9
number of produces of files of to A type	

```
в
```

#### Temperature

Ambient temperature range

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

-40 to +50 °C

#### 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
Optical cover finish	Ribbed
Overall height	662 mm
Overall diameter	661 mm
Effective projected area	0.343 m <sup>2</sup>

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)

· · · · · · · · · · · · · · · · · · ·	
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 10 % life 100000 h Lumen maintenance at median useful L100 life\* 100000 h

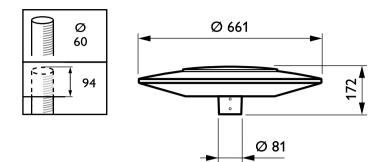
#### **Application Conditions**

Performance ambient temperature Tq 25 °C

Product Data	
Order product name	BDP780 GRN60/830 PSU DS RB DGR CLO
	60P
Full product name	BDP780 GRN60/830 PSU DS RB DGR CLO
	60P
Full product code	871794317633500
Order code	17633500
Material Nr. (12NC)	912300022679
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8717943176335
Numerator - Packs per outer box	1
EAN/UPC - Case	8717943176335

## 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