

CitySphere

BDP781 GRN25/740/BL PSU II DW RB DGR CLO

CITYSPHERE, LED GreenLine 2500 lm, Distribution wide, Constant light output, Post-top for diameter 76 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	GRN25 [LED GreenLine 2500 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	BDP781 [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
Luminous Flux	2,013 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°

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Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	91 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Optical cover type	Polycarbonate bowl/cover UV-resistant
Luminaire light beam spread	148° x 106°
Optic type outdoor	Distribution wide

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	18 W
Average CLO power consumption	20 W
End CLO power consumption	22 W
Inrush current	80 A
Inrush time	0.15 ms
Power Consumption	22 W
Power Factor (Fraction)	0.9
Connection	Connection unit 2-pole
Cable	Cable 1.8 m without plug
Number of products on MCB of 16 A type B	11

Temperature

Ambient temperature range	-40 to +50 °C

Controls and Dimming

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

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 76 mm
Optical cover shape	Conical
Optical cover finish	Ribbed
Overall height	172 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 II

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.381, 0.379) SDCM <5
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

Application Conditions

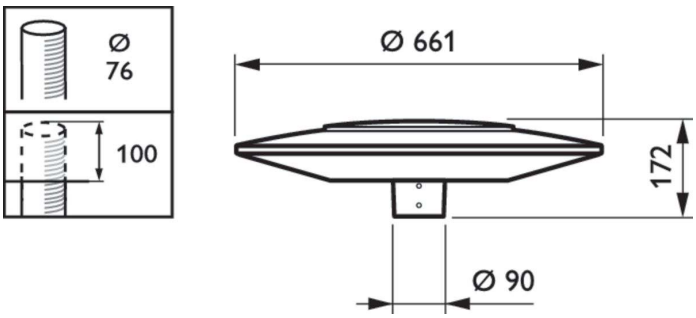
Performance ambient temperature Tq	25 °C

Product Data

Order product name	BDP781 GRN25/740/BL PSU II DW RB DGR CLO
Full product name	BDP781 GRN25/740/BL PSU II DW RB DGR CLO
Full product code	871794317696000
Order code	912300022743
Material Nr. (12NC)	912300022743
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8717943176960
Numerator - Packs per outer box	1
EAN/UPC - Case	8717943176960

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Dimensional drawing



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