PHILIPS Lighting



CitySphere

BDP780 ECO120/740/GN PSD DM RB DGR D9 60

CitySphere, LED EconomyLine 12000 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 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	ECO120 [LED EconomyLine 12000 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. * 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	-
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	9,600 lm

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Standard tilt angle posttop	O°
Standard tilt angle side entry	O°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	90 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 88°
Optic type outdoor	Distribution medium

220 to 240 V

50 to 60 Hz

Connection unit 5-pole Cable 1.8 m without plug

-40 to +50 °C

70 A

0.19 ms

107 W

0.9

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)	
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	7.5 %
useful life 75000 h	
Lumen maintenance at median useful	L80

662 mm

661 mm

Number of products on MCB of 16 A type 9

Operating and Electrical

Input Voltage

Line Frequency

Inrush current

Power Consumption

Power Factor (Fraction)

Inrush time

Connection

Cable

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

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

Application Conditions

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

Product Data

life* 75000 h

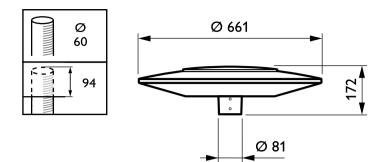
Overall height

Overall diameter

Order product name	BDP780 ECO120/740/GN PSD DM RB DGR
	D9 60
Full product name	BDP780 ECO120/740/GN PSD DM RB DGR
	D9 60
Full product code	871794317688500
Order code	912300022735
Material Nr. (12NC)	912300022735
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8717943176885
Numerator - Packs per outer box	1
EAN/UPC - Case	8717943176885

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Dimensional drawing





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