PHILIPS Lighting



CitySphere

BDP782 ECO25/740 PSD DM CL DGR D9 60P

CITYSPHERE, LED EconomyLine 2500 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	ECO25 [LED EconomyLine 2500 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.
Light source engine type	LED
Product family code	BDP782 [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	1,985 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°

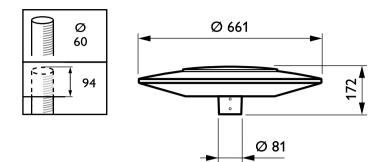
CitySphere

Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	86 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
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	65 A
Inrush time	0.1 ms
Power Consumption	23 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	21
В	
Temperature	
Ambient temperature range	-40 to +50 °C
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	Clear
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 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 Compli	ant)
Control gear failure rate at median useful life 75000 h	7.5 %
Lumen maintenance at median useful	L80
life* 75000 h	
Application Conditions	
Application Conditions	
Performance ambient temperature Tq	25 °C
	25 ℃ 10%
Performance ambient temperature Tq	
Performance ambient temperature Tq	
Performance ambient temperature Tq Maximum dim level	10% BDP782 EC025/740 PSD DM CL DGR D9
Performance ambient temperature Tq Maximum dim level Product Data	10%
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Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name	10% BDP782 ECO25/740 PSD DM CL DGR D9 60P BDP782 ECO25/740 PSD DM CL DGR D9 60P
Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code	10% BDP782 ECO25/740 PSD DM CL DGR D9 60P BDP782 ECO25/740 PSD DM CL DGR D9 60P 871794317632800
Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code	10% BDP782 ECO25/740 PSD DM CL DGR D9 60P BDP782 ECO25/740 PSD DM CL DGR D9 60P 871794317632800 17632800
Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code	10% BDP782 ECO25/740 PSD DM CL DGR D9 60P BDP782 ECO25/740 PSD DM CL DGR D9 60P 871794317632800
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Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	10% BDP782 ECO25/740 PSD DM CL DGR D9 60P BDP782 ECO25/740 PSD DM CL DGR D9 60P 871794317632800 17632800 912300022678 1

CitySphere

Dimensional drawing





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