CitySphere

BDP780 GRN60/830/RD 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 °C, 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°		**Approval and Application**	
Optic type outdoor	Distribution symmetrical		**Ingress protection code**	IP66 [Dust penetration-protected, jet-proof]
			Mech. impact protection code	IK10 [20 J vandal-resistant]
Operating and Electrical			**Surge Protection (Common/Differential)**	Philips standard surge protection level
Input Voltage	220 to 240 V		**Protection class IEC**	Safety class I
Line Frequency	50 to 60 Hz			
Initial CLO power consumption	44 W		**Initial Performance (IEC Compliant)**	
Average CLO power consumption	49.5 W		**Luminous flux tolerance**	+/-7%
End CLO power consumption	55 W		**Initial chromaticity**	(0.410, 0.390) SDCM <3
Inrush current	70 A		**Power consumption tolerance**	+/-10%
Inrush time	0.19 ms		**Init. Color Rendering Index Tolerance**	+/-2
Power Consumption	55 W			
Power Factor (Fraction)	0.9		**Over Time Performance (IEC Compliant)**	
Connection	Connection unit 3-pole		**Control gear failure rate at median useful life 100000 h**	10 %
Cable	Cable 1.8 m without plug			
Number of products on MCB of 16 A type B	9		**Lumen maintenance at median useful life* 100000 h**	L100
Temperature			**Application Conditions**	
Ambient temperature range	-40 to +50 °C		**Performance ambient temperature Tq**	25 °C
Controls and Dimming			**Product Data**	
Dimmable	No		**Order product name**	BDP780 GRN60/830/RD PSU DS RB DGR CLO 60
Driver/power unit/transformer	Power supply unit (On/Off)			
Constant light output	Yes		**Full product name**	BDP780 GRN60/830/RD PSU DS RB DGR CLO 60
Mechanical and Housing			**Full product code**	871794317635900
Housing Material	Aluminum		**Order code**	17635900
Reflector material	Polycarbonate		**Material Nr. (12NC)**	912300022681
Optic material	Polycarbonate		**Numerator – Quantity Per Pack**	1
Optical cover material	Polycarbonate		**EAN/UPC – Product/Case**	8717943176359
Fixation material	Aluminum		**Numerator – Packs per outer box**	1
Housing Color	Dark gray		**EAN/UPC – Case**	8717943176359
Mounting device	Post-top for diameter 60 mm			
Optical cover shape	Conical			

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Dimensional drawing

Ø 60

94

Ø 661

172

Ø 81

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2023, April 30 – data subject to change