# **PHILIPS** Lighting



# CitySphere

# BDP780 GRN60/740 PSD DS RB DGR CLO D9 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	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	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°		

# CitySphere

Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	96 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 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	38 W
Average CLO power consumption	43 W
End CLO power consumption	48 W
Inrush current	70 A
Inrush time	0.19 ms
Power Consumption	48 W
Power Factor (Fraction)	0.9
Connection	Connection unit 5-pole
Cable	Cable 1.8 m without plug

Optical cover finish	Ribbed		
Overall height	662 mm		
Overall diameter	661 mm		
Effective projected area	0.343 m²		
Approval and Application			
Ingress protection code	IP66 [Dust penetration-protected, jet-proo		
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 100000 h	10 %		
Lumen maintenance at median useful life* 100000 h	L100		
Application Conditions			
Performance ambient temperature Tq	25 ℃		
Maximum dim level	10%		
Product Data			
Order product name	BDP780 GRN60/740 PSD DS RB DGR CLO		
	D9 60		
Full product name	BDP780 GRN60/740 PSD DS RB DGR CLO		
	D9 60		
Full product code	871794317659500		

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Number of products on MCB of 16 A type 9

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	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

Order code

Material Nr. (12NC)

EAN/UPC - Case

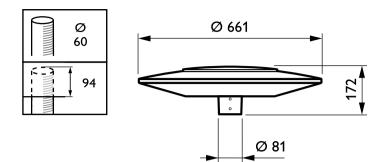
Numerator - Quantity Per Pack

Numerator - Packs per outer box

EAN/UPC - Product/Case

# CitySphere

#### Dimensional drawing





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