



# **CitySphere**

### BDP782 GRN15/740/RD PSDD II DS CL DGR DD

CITYSPHERE, LED GreenLine 1500 lm, Distribution symmetrical

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	GRN15 [LED GreenLine 1500 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. $^{\ast}$ At
	extreme ambient temperatures the luminaire
	might automatically dim down to protect
	components
Light source engine type	LED

Product family code	BDP782 [CITYSPHERE]
Lighting Technology	LED
Value ladder	Specification
Embedded control	DynaDimmer with fixed presets version 1
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	1,191 lm
Standard tilt angle posttop	O°
Standard tilt angle side entry	O°
Correlated Color Temperature (Nom)	4000 K

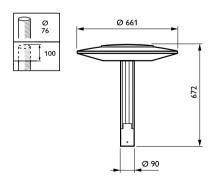
Datasheet, 2023, April 30 data subject to change

# CitySphere

Luminous Efficacy (rated) (Nom)	85 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
Inrush current	65 A
Inrush time	0.1 ms
Power Consumption	14 W
Power Factor (Fraction)	0.9
Connection	Connection unit 3-pole
Cable	Cable 7.0 m without plug
Number of products on MCB of 16 A	21
type B	
Temperature	
Ambient temperature range	-40 to +50 ℃
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit with DynaDimmer
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	Diameter 90 mm, posttop decorative
Optical cover shape	Conical
Optical cover finish	Clear
Overall height	172 mm

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 10 % useful life 100000 h  Lumen maintenance at median useful life¹ 100000 h  Application Conditions Performance ambient temperature Tq 25 °C  Product Data Order product name BDP782 GRN15/740/RD PSDD II DS CL DGR DD Full product code 871794317700400  Order code 17700400  Material Nr. (12NC) 912300022747  Numerator - Packs per outer box 1  EAN/UPC - Case 8717943177004	Overall diameter	661 mm	
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 10 %  useful life 100000 h  Lumen maintenance at median useful life* 100000 h  Application Conditions  Performance ambient temperature Tq 25 °C  Product Data  Order product name BDP782 GRN15/740/RD PSDD II DS CL DGR DD  Full product code 871794317700400  Order code 17700400  Material Nr. (12NC) 912300022747  Numerator - Packs per outer box 1	Effective projected area	0.343 m²	
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Life* 100000 h  Application Conditions  Performance ambient temperature Tq 25 °C  Product Data  Order product name  BDP782 GRN15/740/RD PSDD II DS CL DGR DD  Full product name  BDP782 GRN15/740/RD PSDD II DS CL DGR DD  Full product code  871794317700400  Order code  17700400  Material Nr. (12NC)  P12300022747  Numerator - Quantity Per Pack  EAN/UPC - Product/Case  8717943177004  Numerator - Packs per outer box  1	useful life 100000 h		
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Performance ambient temperature Tq         25 °C           Product Data         BDP782 GRN15/740/RD PSDD II DS CL DGR DD           Full product name         BDP782 GRN15/740/RD PSDD II DS CL DGR DD           Full product code         871794317700400           Order code         17700400           Material Nr. (12NC)         912300022747           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8717943177004           Numerator - Packs per outer box         1	life* 100000 h		
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	EAN/UPC - Product/Case	8717943177004	
FAN/IDC - Case 87179/317700/	Numerator - Packs per outer box	1	
0/1/3431//004	EAN/UPC - Case	07170.4217700.4	

### Dimensional drawing



# CitySphere

