PHILIPS Lighting



Stela+ gen2 Long, Square & Wide

BPP614 18x /WW PSU II NRN GR SRG10 60/76

STELA-SQUARE GEN2, Power supply unit (On/Off), Narrow road optic for S-class, Spigot for diameter 60 to 76 mm

In 2008 the arrival of the Stela family heralded a revolution in street lighting. In Stela + gen2 we are now presenting the next generation of LEDs and introducing programmable drivers. The REVOLED cooling and light distribution concept enables tremendous energy savings and a corresponding reduction in CO2 emissions, whilst meeting current lighting standards. Excellent thermal management of the LEDs ensures a very long lifetime, eliminating the need for lamp replacement. Higher flux per LED, flux tuning (using L-Tune) and the option of employing Constant Light Output (CLO) make it possible either to reduce the number of LEDs needed (lower cost per light point) or, when using the same number of LEDs as before, to reduce the power consumption (lower Total Cost of Ownership).

Product data

General Information	
Lamp family code	XP-G2 [LED XP-G2]
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
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	BPP614 [STELA-SQUARE GEN2]
Lighting Technology	LED
Value ladder	Performance
Embedded control	-
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	-

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EU RoHS compliant	Yes
Light Technical	
Upward light output ratio	0.5
Luminous Flux	1,980 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	90 lm/W
Color rendering index (CRI)	≥80
Number of light sources	18
Light source color	Warm white
Optical cover type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	72° x 180°
Optic type outdoor	Narrow road optic for S-class

Optical cover finish	Clear
Overall length	445 mm
Overall width	400 mm
Overall height	115 mm
Effective projected area	0.04 m²
Dimensions (Height x Width x Depth)	115 x 400 x 445 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)	Luminaire surge protection level until 10 kV
	differential mode and 10 kV common mode
Protection class IEC	Safety class II
Photobiological risk	Photobiological risk group 1@200mm to
	EN62778

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	65 A
Inrush time	100 ms
Power Consumption	22 W
Power Factor (Fraction)	0.92
Connection	Screw connection with pug and socket
Cable	-
Number of products on MCB of 16 A type	1

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Temperature

Ambient temperature range

Controls and Dimming

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Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

-40 to +50 °C

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Glass
Optical cover material	Polymethyl methacrylate
Fixation material	Aluminum
Housing Color	Grey
Mounting device	Spigot for diameter 60 to 76 mm
Optical cover shape	Curved

Initial Performance (IEC Compliant) Luminous flux tolerance +/-5%

Initial chromaticity	(0.380, 0.380) SDCM <7
Power consumption tolerance	+/-5%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful 10 % life 100000 h Lumen maintenance at median useful life* L80 100000 h

Application Conditions

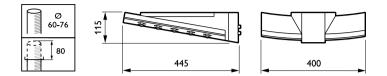
Performance ambient temperature Tq 25 °C

Product Data

Order product name	BPP614 18x /WW PSU II NRN GR SRG10
	60/76
Full product name	BPP614 18x /WW PSU II NRN GR SRG10
	60/76
Full product code	871794323728900
Order code	912300026487
Material Nr. (12NC)	912300026487
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8717943237289
Numerator - Packs per outer box	1
EAN/UPC - Case	8717943237289

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Dimensional drawing





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