PHILIPS Lighting



Stela+ gen2 Long, Square & Wide

BPP614 1700/CW PSU SRN CLO 76P L20 SVP

STELA-SQUARE GEN2, Power supply unit (On/Off), Standard road optic for S-class, Constant light output, Post-top for diameter 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	Constant light output
CE mark	Yes
Warranty period	5 years
Flammability mark	-

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ENEC mark	-
EU RoHS compliant	Yes
Light Technical	
Upward light output ratio	0.5
Luminous Flux	1,530 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	5700 K
Luminous Efficacy (rated) (Nom)	118 lm/W
Color rendering index (CRI)	≥70
Number of light sources	14
Light source color	Cool white
Optical cover type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	96° x 151°
Optic type outdoor	Standard road optic for S-class

220 to 240 V

50 to 60 Hz

13 W

13 W

13 W

65 A

13 W

0.9

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-40 to +50 °C

Screw connection with pug and socket

100 ms

Mounting device	Post-top for diameter 76 mm
Optical cover shape	Curved
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 6 kV
	differential mode and 6 kV common mode
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 1 @200mm to
	EN62778

Luminous flux tolerance	+/-5%
nitial chromaticity	(0.330, 0.340) SDCM <
Power consumption tolerance	+/-5%
nit. 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* L100

100000 h

Application Conditions

Performance ambient temperature Tq 25 °C

Product Data

Order product name	BPP614 1700/CW PSU SRN CLO 76P L20
	SVP
Full product name	BPP614 1700/CW PSU SRN CLO 76P L20
	SVP
Full product code	871794322807200
Order code	912300025908
Material Nr. (12NC)	912300025908
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8717943228072
Numerator - Packs per outer box	1
EAN/UPC - Case	8717943228072

Ambient temperature range

Temperature

Operating and Electrical

Initial CLO power consumption

End CLO power consumption

Average CLO power consumption

Number of products on MCB of 16 A type

Input Voltage

Line Frequency

Inrush current

Power Consumption

Power Factor (Fraction)

Inrush time

Connection

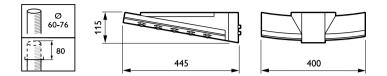
Cable

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Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	Yes
Mechanical and Housing	
Housing Material	Aluminum
Reflector material	-
Optic material	Glass
Optical cover material	Polymethyl methacrylate
Fixation material	Aluminum
Housing Color	Grey

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Dimensional drawing





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