PHILIPS

Lighting



Stela+ gen2 Round

BPP610 5650/CW PSU WRN CLO 76P L20 SVP

STELA ROUND GEN2, LED XP-G2, Power supply unit (On/Off), Wide road optic for S-class, Constant light output, Post-top for diameter 76 mm

Stela Round is at the forefront of LED technology in street lighting. 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 and resulting in a very attractive Total Cost of Ownership. The introduction of the latest-generation LED and programmable drivers and the possibility of employing Constant Light Output (CLO) in gen2 enable a further reduction in power consumption.

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
Light source engine type	LED
Product family code	BPP610 [STELA ROUND GEN2]
Lighting Technology	LED
Embedded control	Constant light output
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	-

EU RoHS compliant	Yes

Light Technical	
Upward light output ratio	0
Luminous Flux	5,085 lumen
Standard tilt angle posttop	0°
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	5700 K
Luminous Efficacy (rated) (Nom)	141 lm/W
Color rendering index (CRI)	≥70
Number of light sources	48
Light source color	Cool white
Optical cover type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	154° x 118°

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Optic type outdoor	Wide road optic for S-class

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	35 W
Average CLO power consumption	35.5 W
End CLO power consumption	36 W
Inrush current	80 A
Inrush time	150 ms
Power Consumption	36 W
Power Factor (Fraction)	0.9
Connection	Screw connection with pug and socket
Cable	-
Number of products on MCB of 16 A type B	1

Temperature

Ambient temperature range	-20 to +35 °C

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	Acrylate
Optical cover material	Polymethyl methacrylate
Fixation material	Aluminum
Housing Color	Grey
Mounting device	Post-top for diameter 76 mm
Optical cover shape	Curved
Optical cover finish	Clear
Overall height	195 mm
Overall diameter	600 mm
Effective projected area	0.065 m²

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

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.330, 0.340) SDCM <7
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

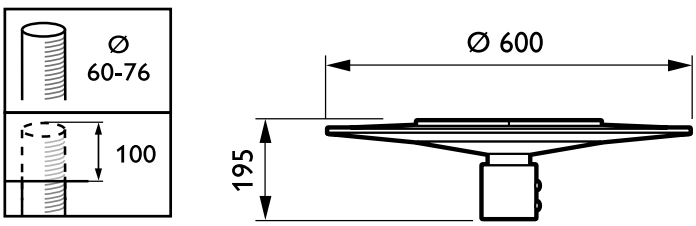
Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.5 %

Product Data

Full product code	871794322803400
Order product name	BPP610 5650/CW PSU WRN CLO 76P L20 SVP
Order code	912300025920
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	912300025920
Full product name	BPP610 5650/CW PSU WRN CLO 76P L20 SVP
EAN/UPC - Case	8717943228034
EAN/UPC - Product/Case	8717943228034

Dimensional drawing



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