Stela+ gen2 Long, Square & Wide

BPP612 4400/NW PSU SRN CLO 60P L20

STELA-WIDE GEN2, Power supply unit (On/Off), Standard road optic for S-class, Constant light output, Post-top for diameter 60 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 CO_2 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
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	BPP612 [STELA-WIDE GEN2]
Lighting Technology	LED
Value ladder	Performance
Embedded control	Constant light output
CE mark	Yes
Warranty period	5 years

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Flammability mark	–	**Housing Color**	Grey
ENEC mark	–	**Mounting device**	Post–top for diameter 60 mm
EU RoHS compliant	Yes	**Optical cover shape**	Curved
		Optical cover finish	Clear
Light Technical		**Overall length**	445 mm
Upward light output ratio	0.5	**Overall width**	660 mm
Luminous Flux	3,960 lm	**Overall height**	125 mm
Standard tilt angle posttop	0°	**Effective projected area**	0.06 m²
Standard tilt angle side entry	–	**Dimensions (Height x Width x Depth)**	125 x 660 x 445 mm
Correlated Color Temperature (Nom)	4000 K		
Luminous Efficacy (rated) (Nom)	132 lm/W	**Approval and Application**	
Color rendering index (CRI)	≥70	**Ingress protection code**	IP66 [Dust penetration-protected, jet-proof]
Number of light sources	36	**Mech. impact protection code**	IK10 [20 J vandal-resistant]
Light source color	Neutral white	**Surge Protection (Common/Differential)**	Luminaire surge protection level until 6 kV differential mode and 6 kV common mode
Optical cover type	Polymethyl methacrylate bowl/cover		
Luminaire light beam spread	99° x 156°	**Protection class IEC**	Safety class I
Optic type outdoor	Standard road optic for S–class	**Photobiological risk**	Photobiological risk group 1 @200mm to EN62778
Operating and Electrical		**Initial Performance (IEC Compliant)**	
Input Voltage	220 to 240 V	**Luminous flux tolerance**	+/–5%
Line Frequency	50 to 60 Hz	**Initial chromaticity**	(0.380, 0.380) SDCM <7
Initial CLO power consumption	30 W	**Power consumption tolerance**	+/–5%
Average CLO power consumption	30 W	**Init. Color Rendering Index Tolerance**	+/–2
End CLO power consumption	30 W		
Inrush current	80 A	**Over Time Performance (IEC Compliant)**	
Inrush time	150 ms	**Control gear failure rate at median useful life 100000 h**	10 %
Power Consumption	30 W		
Power Factor (Fraction)	0.9	**Lumen maintenance at median useful life* 100000 h**	L100
Connection	Screw connection with pug and socket		
Cable	–		
Number of products on MCB of 16 A type B	1	**Application Conditions**	
		Performance ambient temperature Tq	25 °C
Temperature			
Ambient temperature range	–40 to +50 °C	**Product Data**	
		Order product name	BPP612 4400/NW PSU SRN CLO 60P L20
Controls and Dimming		**Full product name**	BPP612 4400/NW PSU SRN CLO 60P L20
Dimmable	No	**Full product code**	871794322858400
Driver/power unit/transformer	Power supply unit (On/Off)	**Order code**	912300025933
Constant light output	Yes	**Material Nr. (12NC)**	912300025933
		Numerator – Quantity Per Pack	1
Mechanical and Housing		**EAN/UPC – Product/Case**	8717943228584
Housing Material	Aluminum	**Numerator – Packs per outer box**	1
Reflector material	–	**EAN/UPC – Case**	8717943228584
Optic material	Glass		
Optical cover material	Polymethyl methacrylate		
Fixation material	Aluminum		

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Dimensional drawing

www.lighting.philips.com

2023, September 4 – data subject to change