



Stela+ gen2 Long, Square & Wide

BPP614 LED27/740 PSD SRN D9 SRG10 60/76P

Stela+ gen2 Long, Square & Wide, Urban road & street light, 18.4 W, 2457 lm, 4000 K, CRI70, DALI, Standard road optic for S-class, Safety class I, IP66, SRG10-10

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		Serviceability class	
Lamp family code	LED27 [LED module 2700 lm]	Serviceability class	Class B, luminaire is equipped with some serviceable parts (when applicable): driver, control units, surge protection device, front cover and mechanical parts
Light source replaceable	No	Warranty period	5 years
Number of gear units	1 unit	Sustainability rating	Unclassified
Driver included	Yes	Light Technical	
Light source engine type	LED	Upward light output ratio	0.5
Service tag	Yes	Luminous Flux	2,457 lm
Lighting Technology	LED		
Value ladder	Performance		

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Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	134 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Luminaire light beam spread	96° x 151°
Optic type outdoor	Standard road optic for S-class
Effective projected area	0.04 m ²

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	21 A
Inrush time	0.225 ms
Power Consumption	18.4 W
Power Factor (Fraction)	0.95
Connection	Screw connection with pug and socket
Cable	-
Number of products on MCB of 16 A type B	26
Protection class IEC	Safety class I
Surge Protection (Common/Differential)	Surge protection level until 10 kV differential mode and 10 kV common mode

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
DALI Standard	DALI
Maximum dim level	25%

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Polymethyl methacrylate
Fixation material	Aluminum
Housing Color	Gray
Mounting device	Spigot for diameter 60 to 76 mm
Optical cover shape	Curved
Optical cover finish	Clear
Overall length	445 mm
Overall width	400 mm
Overall height	115 mm
Dimensions (Height x Width x Depth)	115 x 400 x 445 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK10 [20 J vandal-resistant]

Standard tilt angle posttop	0°
Standard tilt angle side entry	-
Optical cover type	Polymethyl methacrylate bowl/cover
Net Weight (Piece)	5.300 kg

Approval and Application

Flammability mark	-
CE mark	Yes
ENEC mark	-
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Ambient temperature range	-40 to +50 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.380, 0.380) SDCM <7
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤7

Over Time Performance (IEC Compliant)

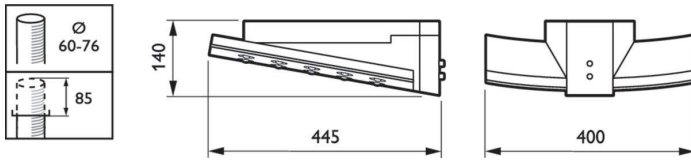
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L98

Product Data

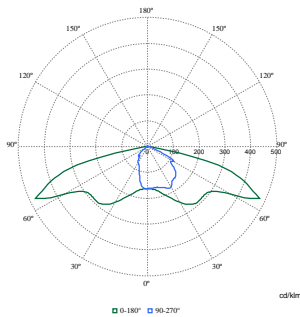
Order product name	BPP614 LED27/740 PSD SRN D9 SRG10 60/76P
Full product name	BPP614 LED27/740 PSD SRN D9 SRG10 60/76P
Full product code	871869989225800
Order code	912300024542
Material Nr. (12NC)	912300024542
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699892258
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699892258
Product family code	BPP614 [STELA-SQUARE GEN2]

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Dimensional drawing



Photometric data



Polar Normal (separate) - BPP614I - 912300024542

