



Stela+ gen2 Long, Square & Wide

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

STELA-SQUARE GEN2 - LED module 2700 lm - LED - 740 neutral white - Power supply unit with DALI interface - 220-240 V - 50 to 60 Hz - Safety class I (I) - Standard road optic for S-class - PMMA bowl/cover - Grey - Surge protection level until 10 kV - Spigot for diameter 60-76 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		Optical cover/lens type	
Lamp family code	LED27 [LED module 2700 lm]	Optical cover/lens type	PM [PMMA bowl/cover]
Lamp colour code	740 neutral white	Luminaire light beam spread	96° x 151°
Light source replaceable	No	Control interface	DALI
Number of gear units	1 unit	Connection	SI-PS [Screw connection with pug and socket]
Driver/power unit/transformer	PSD [Power supply unit with DALI interface]	Cable	-
Driver included	Yes	Protection class IEC	Safety class I (I)

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Flammability mark	NO [-]
CE mark	CE mark
ENEC mark	-
Warranty period	5 years
Optic type outdoor	Standard road optic for S-class
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Constant light output	No
Number of products on MCB (16 A type B)	26
Photobiological risk	Photobiological risk group 1 @ 200mm to EN62471
EU RoHS compliant	Yes
Light source engine type	LED
Serviceability class	Class B, the luminaire is equipped with some serviceable parts (when applicable): driver, control units, surge-protection device, front cover and mechanical parts
Product family code	BPP614 [STELA-SQUARE GEN2]

Light Technical

Upward light output ratio	0.5
Standard tilt angle post-top	0°
Standard tilt angle side entry	-

Operating and Electrical

Input Voltage	220-240 V
Input frequency	50 to 60 Hz
Inrush current	21 A
Inrush time	0.225 ms
Power factor (min.)	0.95

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Housing material	Aluminium
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Polymethyl methacrylate
Fixation material	Aluminium
Mounting device	60/76 [Spigot for diameter 60-76 mm]
Optical cover/lens shape	Curved
Optical cover/lens finish	Clear
Overall length	445 mm
Overall width	400 mm

Overall height	115 mm
Effective projected area	0.04 m ²
Colour	Grey
Dimensions (height x width x depth)	115 x 400 x 445 mm (4.5 x 15.7 x 17.5 in)

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)	Surge protection level until 10 kV

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	2457 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	134 lm/W
Lamp colour temperature	4000 K
Colour Rendering Index	≥70
Initial chromaticity	(0.380, 0.380) SDCM <7
Initial input power	18.4 W
Power consumption tolerance	+/-10%
Init. colour rendering index tolerance	+/-2

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 100,000 h	L98

Application Conditions

Ambient temperature range	-40 to +50 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	25%

Product Data

Full product code	871869989225800
Order product name	BPP614 LED27/740 PSD SRN D9 SRG10 60/76P
EAN/UPC – product	8718699892258
Order code	912300024542
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	912300024542
SAP net weight (piece)	5.300 kg



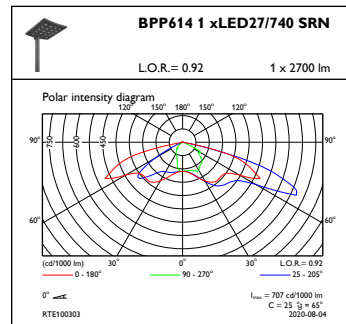
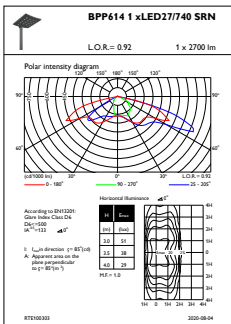
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Dimensional drawing



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Photometric data



OFPL1_BPP614xLED27740SRN

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