



# Stela+ gen2 Long, Square & Wide

## BPP616 LED18/740 PSU SRN CLO 32/60S

Stela+ gen2 Long, Square & Wide, Urban road & street light, 12.6 W, 1557 lm, 4000 K, CRI70, Standard road optic for S-class, Safety class I, IP66, STD

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	LED18 [LED module 1800 lm]
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Lighting Technology	LED
Value ladder	Performance

Warranty period	5 years
Light Technical	
Upward light output ratio	0.5
Luminous Flux	1,557 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	124 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Luminaire light beam spread	96° x 151°

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Optic type outdoor	Standard road optic for S-class
Effective projected area	0.05 m²

### Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	12.6 W
Average CLO power consumption	12.6 W
End CLO power consumption	12.6 W
Inrush current	21 A
Inrush time	0.225 ms
Power Consumption	12.6 W
Power Factor (Fraction)	0.91
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)	Standard surge protection level

### Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	Yes
Embedded control	Constant light output

### 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	Side-entry for diameter 32 to 60 mm
Optical cover shape	Curved
Optical cover finish	Clear
Overall length	590 mm
Overall width	265 mm
Overall height	220 mm
Dimensions (Height x Width x Depth)	220 x 265 x 590 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK10 [20 J vandal-resistant]
Standard tilt angle posttop	10°
Standard tilt angle side entry	10°

Optical cover type	Polymethyl methacrylate bowl/cover
Net Weight (Piece)	7.200 kg

### Approval and Application

Flammability mark	-
CE mark	Yes
ENEC mark	-
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	L100

### Sustainability Data

Sustainability rating	Unclassified
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### Product Data

Order product name	BPP616 LED18/740 PSU SRN CLO 32/60S
Full product name	BPP616 LED18/740 PSU SRN CLO 32/60S
Full product code	871869989238800
Order code	912300024555
Material Nr. (12NC)	912300024555
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699892388
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699892388
Product family code	BPP616 [STELA-LONG GEN2]

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### Dimensional drawing

