



# Stela+ gen2 – the revolution continues

## Stela+ gen2 Long, Square & Wide

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).

### Benefits

- REVOLED technology for maximum efficiency
- Fit-and-forget solution – operates at low current
- Choice of lens optics to match street geometries
- Equipped with Service tag, a QR-based identification system that makes each luminaire uniquely identifiable and provides maintenance, installation and spare part information

### Features

- Guaranteed long lifetime: up to 100,000 hours (L-Tune tool)
- Very attractive Total Cost of Ownership, ensuring sustainable investment
- Low energy consumption and small carbon footprint
- Easy installation and maintenance

# Stela+ gen2 Long, Square & Wide

## Application

- Traffic routes: inter-urban main roads, roundabouts, cycle paths, pedestrian crossings, parking areas
- Residential: streets, cycle paths & footpaths, roundabouts, pedestrian crossings, squares/parks and playgrounds, parking areas
- City centers: boulevards and avenues, side streets, squares and parks, pedestrian and shopping areas, pedestrian crossings, public transport, cycle paths and footpaths, parking areas
- Large outdoor areas: industrial sites, harbors, airports, waterways, rail yards

## Versions



OPBR BPP612i 0001

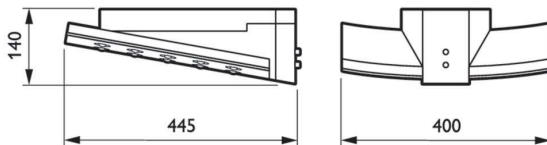
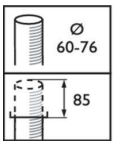
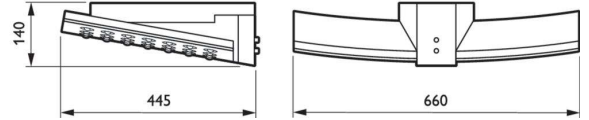
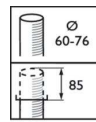
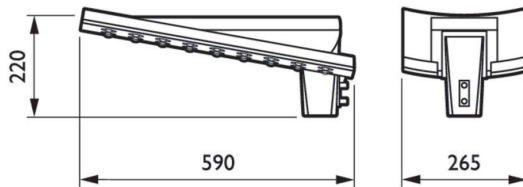
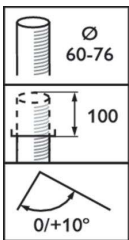


BPP614 Stela Square



BPP616 Stela long

## Dimensional drawing



# Stela+ gen2 Long, Square & Wide

General Information	
Driver included	Yes
Light source replaceable	No
Number of gear units	1 unit
Service tag	Yes
Light Technical	
Upward light output ratio	0.5
Mechanical and Housing	
Optical cover type	Polymethyl methacrylate bowl/cover
Housing Color	Gray
Mech. impact protection code	IK10
Ingress protection code	IP66
Approval and Application	
CE mark	Yes
Flammability mark	-

## General Information

Order Code	Full Product Name	Lamp family code
912300024543	BPP612 LED70/740 PSD SRN D9 SRG10 60/76P	LED70
912300024545	BPP612 LED60/740 PSU SRN CLO 76P	LED60
912300024546	BPP612 LED40/740 PSU SRN CLO 60P	LED40
912300024547	BPP612 LED60/740 PSU SRN CLO 60P	LED60
912300024802	BPP612 LED100-3S/830 PSU II MRN GR 60/76	LED100
912300024803	BPP612 LED70-3S/830 PSU II SRN GR 60/76	LED70
912300024539	BPP614 LED18/740 PSU SRN CLO 60P	LED18
912300024540	BPP614 LED23/740 PSU SRN CLO 60P	LED23
912300024542	BPP614 LED27/740 PSD SRN D9 SRG10 60/76P	LED27
912300024799	BPP614 LED43-3S/830 PSU II MRN GR 60/76	LED43
912300024801	BPP614 LED43-3S/830 PSU II SRN GR 60/76	LED43
912300024548	BPP616 LED12/740 PSU SRN CLO 76P	LED12
912300024549	BPP616 LED18/740 PSU SRN CLO 76P	LED18
912300024550	BPP616 LED30/740 PSU SRN CLO 76P	LED30
912300024551	BPP616 LED12/740 PSU SRN CLO 60P	LED12
912300024552	BPP616 LED18/740 PSU SRN CLO 60P	LED18
912300024553	BPP616 LED30/740 PSU SRN CLO 60P	LED30
912300024554	BPP616 LED12/740 PSU SRN CLO 32/60S	LED12
912300024555	BPP616 LED18/740 PSU SRN CLO 32/60S	LED18
912300024556	BPP616 LED12/740 PSD SRN D9 SRG10 60S	LED12

## Light Technical (1/2)

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color Temperature (Nom)	Color rendering index (CRI)
912300024543	BPP612 LED70/740 PSD SRN D9 SRG10 60/76P	96° x 151°	740 neutral white	4000 K	70
912300024545	BPP612 LED60/740 PSU SRN CLO 76P	96° x 151°	740 neutral white	4000 K	70
912300024546	BPP612 LED40/740 PSU SRN CLO 60P	96° x 151°	740 neutral white	4000 K	70
912300024547	BPP612 LED60/740 PSU SRN CLO 60P	96° x 151°	740 neutral white	4000 K	70
912300024802	BPP612 LED100-3S/830 PSU II MRN GR 60/76	99° x 156°	830 warm white	3000 K	80
912300024803	BPP612 LED70-3S/830 PSU II SRN GR 60/76	96° x 151°	830 warm white	3000 K	80

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color Temperature (Nom)	Color rendering index (CRI)
912300024539	BPP614 LED18/740 PSU SRN CLO 60P	96° x 151°	740 neutral white	4000 K	70
912300024540	BPP614 LED23/740 PSU SRN CLO 60P	96° x 151°	740 neutral white	4000 K	70
912300024542	BPP614 LED27/740 PSD SRN D9 SRG10 60/76P	96° x 151°	740 neutral white	4000 K	70
912300024799	BPP614 LED43-3S/830 PSU II MRN GR 60/76	99° x 156°	830 warm white	3000 K	80
912300024801	BPP614 LED43-3S/830 PSU II SRN GR 60/76	96° x 151°	830 warm white	3000 K	80
912300024548	BPP616 LED12/740 PSU SRN CLO 76P	96° x 151°	740 neutral white	4000 K	70

## Stela+ gen2 Long, Square & Wide

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color Temperature (Nom)	Color rendering index (CRI)
912300024549	BPP616 LED18/740 PSU SRN CLO 76P	96° x 151°	740 neutral white	4000 K	70
912300024550	BPP616 LED30/740 PSU SRN CLO 76P	96° x 151°	740 neutral white	4000 K	70
912300024551	BPP616 LED12/740 PSU SRN CLO 60P	96° x 151°	740 neutral white	4000 K	70
912300024552	BPP616 LED18/740 PSU SRN CLO 60P	96° x 151°	740 neutral white	4000 K	70
912300024553	BPP616 LED30/740 PSU SRN CLO 60P	96° x 151°	740 neutral white	4000 K	70

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color Temperature (Nom)	Color rendering index (CRI)
912300024554	BPP616 LED12/740 PSU SRN CLO 32/60S	96° x 151°	740 neutral white	4000 K	70
912300024555	BPP616 LED18/740 PSU SRN CLO 32/60S	96° x 151°	740 neutral white	4000 K	70
912300024556	BPP616 LED12/740 PSD SRN D9 SRG10 60S	96° x 151°	740 neutral white	4000 K	70

### Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux	Optic type outdoor
912300024543	BPP612 LED70/740 PSD SRN D9 SRG10 60/76P	6,160 lm	Standard road optic for S-class
912300024545	BPP612 LED60/740 PSU SRN CLO 76P	5,340 lm	Standard road optic for S-class
912300024546	BPP612 LED40/740 PSU SRN CLO 60P	3,471 lm	Standard road optic for S-class
912300024547	BPP612 LED60/740 PSU SRN CLO 60P	5,340 lm	Standard road optic for S-class
912300024802	BPP612 LED100-3S/830 PSU II MRN GR 60/76	8,100 lm	Standard road optic for ME-class
912300024803	BPP612 LED70-3S/830 PSU II SRN GR 60/76	6,160 lm	Standard road optic for S-class
912300024539	BPP614 LED18/740 PSU SRN CLO 60P	1,592.5 lm	Standard road optic for S-class
912300024540	BPP614 LED23/740 PSU SRN CLO 60P	2,070 lm	Standard road optic for S-class
912300024542	BPP614 LED27/740 PSD SRN D9 SRG10 60/76P	2,457 lm	Standard road optic for S-class
912300024799	BPP614 LED43-3S/830 PSU II MRN GR 60/76	3,483 lm	Standard road optic for ME-class

Order Code	Full Product Name	Luminous Flux	Optic type outdoor
912300024801	BPP614 LED43-3S/830 PSU II SRN GR 60/76	3,741 lm	Standard road optic for S-class
912300024548	BPP616 LED12/740 PSU SRN CLO 76P	1,080 lm	Standard road optic for S-class
912300024549	BPP616 LED18/740 PSU SRN CLO 76P	1,557 lm	Standard road optic for S-class
912300024550	BPP616 LED30/740 PSU SRN CLO 76P	2,581 lm	Standard road optic for S-class
912300024551	BPP616 LED12/740 PSU SRN CLO 60P	1,080 lm	Standard road optic for S-class
912300024552	BPP616 LED18/740 PSU SRN CLO 60P	1,557.5 lm	Standard road optic for S-class
912300024553	BPP616 LED30/740 PSU SRN CLO 60P	2,581 lm	Standard road optic for S-class
912300024554	BPP616 LED12/740 PSU SRN CLO 32/60S	1,080 lm	Standard road optic for S-class
912300024555	BPP616 LED18/740 PSU SRN CLO 32/60S	1,557 lm	Standard road optic for S-class
912300024556	BPP616 LED12/740 PSD SRN D9 SRG10 60S	1,080 lm	Standard road optic for S-class

### Operating and Electrical

Order Code	Full Product Name	Power Consumption	Surge Protection (Common/Differential)
912300024543	BPP612 LED70/740 PSD SRN D9 SRG10 60/76P	44.5 W	Surge protection level until 10 kV differential mode and 10 kV common mode

Order Code	Full Product Name	Power Consumption	Surge Protection (Common/Differential)
912300024545	BPP612 LED60/740 PSU SRN CLO 76P	37.5 W	Standard surge protection level
912300024546	BPP612 LED40/740 PSU SRN CLO 60P	25.5 W	Standard surge protection level

## Stela+ gen2 Long, Square & Wide

Order Code	Full Product Name	Power	Surge Protection
		Consumption	(Common/Differential)
912300024547	BPP612 LED60/740 PSU SRN CLO 60P	37.5 W	Standard surge protection level
912300024802	BPP612 LED100-3S/830 PSU II MRN GR 60/76	75 W	Standard surge protection level
912300024803	BPP612 LED70-3S/830 PSU II SRN GR 60/76	50 W	Standard surge protection level
912300024539	BPP614 LED18/740 PSU SRN CLO 60P	12.6 W	Standard surge protection level
912300024540	BPP614 LED23/740 PSU SRN CLO 60P	15.8 W	Standard surge protection level
912300024542	BPP614 LED27/740 PSD SRN D9 SRG10 60/76P	18.4 W	Surge protection level until 10 kV differential mode and 10 kV common mode
912300024799	BPP614 LED43-3S/830 PSU II MRN GR 60/76	35 W	Standard surge protection level
912300024801	BPP614 LED43-3S/830 PSU II SRN GR 60/76	35 W	Standard surge protection level
912300024548	BPP616 LED12/740 PSU SRN CLO 76P	8.8 W	Standard surge protection level

Order Code	Full Product Name	Power	Surge Protection
		Consumption	(Common/Differential)
912300024549	BPP616 LED18/740 PSU SRN CLO 76P	12.6 W	Standard surge protection level
912300024550	BPP616 LED30/740 PSU SRN CLO 76P	20.5 W	Standard surge protection level
912300024551	BPP616 LED12/740 PSU SRN CLO 60P	8.8 W	Standard surge protection level
912300024552	BPP616 LED18/740 PSU SRN CLO 60P	12.6 W	Standard surge protection level
912300024553	BPP616 LED30/740 PSU SRN CLO 60P	20.5 W	Standard surge protection level
912300024554	BPP616 LED12/740 PSU SRN CLO 32/60S	8.8 W	Standard surge protection level
912300024555	BPP616 LED18/740 PSU SRN CLO 32/60S	12.6 W	Standard surge protection level
912300024556	BPP616 LED12/740 PSD SRN D9 SRG10 60S	8.8 W	Surge protection level until 10 kV differential mode and 10 kV common mode

### Controls and Dimming

Order Code	Full Product Name	Maximum dim	
		Dimmable	level
912300024543	BPP612 LED70/740 PSD SRN D9 SRG10 60/76P	Yes	25%
912300024545	BPP612 LED60/740 PSU SRN CLO 76P	No	-
912300024546	BPP612 LED40/740 PSU SRN CLO 60P	No	-
912300024547	BPP612 LED60/740 PSU SRN CLO 60P	No	-
912300024802	BPP612 LED100-3S/830 PSU II MRN GR 60/76	No	-
912300024803	BPP612 LED70-3S/830 PSU II SRN GR 60/76	No	-
912300024539	BPP614 LED18/740 PSU SRN CLO 60P	No	-
912300024540	BPP614 LED23/740 PSU SRN CLO 60P	No	-
912300024542	BPP614 LED27/740 PSD SRN D9 SRG10 60/76P	Yes	25%
912300024799	BPP614 LED43-3S/830 PSU II MRN GR 60/76	No	-

Order Code	Full Product Name	Maximum dim	
		Dimmable	level
912300024801	BPP614 LED43-3S/830 PSU II SRN GR 60/76	No	-
912300024548	BPP616 LED12/740 PSU SRN CLO 76P	No	-
912300024549	BPP616 LED18/740 PSU SRN CLO 76P	No	-
912300024550	BPP616 LED30/740 PSU SRN CLO 76P	No	-
912300024551	BPP616 LED12/740 PSU SRN CLO 60P	No	-
912300024552	BPP616 LED18/740 PSU SRN CLO 60P	No	-
912300024553	BPP616 LED30/740 PSU SRN CLO 60P	No	-
912300024554	BPP616 LED12/740 PSU SRN CLO 32/60S	No	-
912300024555	BPP616 LED18/740 PSU SRN CLO 32/60S	No	-
912300024556	BPP616 LED12/740 PSD SRN D9 SRG10 60S	Yes	25%

### Mechanical and Housing

Order Code	Full Product Name	Standard tilt	
		angle side entry	Standard tilt angle posttop
912300024543	BPP612 LED70/740 PSD SRN D9 SRG10 60/76P	-	0°
912300024545	BPP612 LED60/740 PSU SRN CLO 76P	-	0°
912300024546	BPP612 LED40/740 PSU SRN CLO 60P	-	0°

Order Code	Full Product Name	Standard tilt	
		angle side entry	Standard tilt angle posttop
912300024547	BPP612 LED60/740 PSU SRN CLO 60P	-	0°
912300024802	BPP612 LED100-3S/830 PSU II MRN GR 60/76	-	0°

# Stela+ gen2 Long, Square & Wide

Order Code	Full Product Name	Standard tilt angle side entry	Standard tilt angle posttop
912300024803	BPP612 LED70-3S/830 PSU II SRN GR 60/76	-	0°
912300024539	BPP614 LED18/740 PSU SRN CLO 60P	-	0°
912300024540	BPP614 LED23/740 PSU SRN CLO 60P	-	0°
912300024542	BPP614 LED27/740 PSD SRN D9 SRG10 60/76P	-	0°
912300024799	BPP614 LED43-3S/830 PSU II MRN GR 60/76	-	0°
912300024801	BPP614 LED43-3S/830 PSU II SRN GR 60/76	-	0°
912300024548	BPP616 LED12/740 PSU SRN CLO 76P	10°	10°

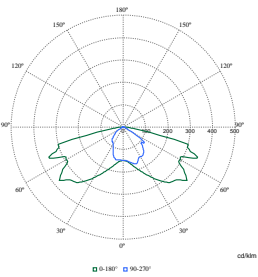
Order Code	Full Product Name	Standard tilt angle side entry	Standard tilt angle posttop
912300024549	BPP616 LED18/740 PSU SRN CLO 76P	10°	10°
912300024550	BPP616 LED30/740 PSU SRN CLO 76P	10°	10°
912300024551	BPP616 LED12/740 PSU SRN CLO 60P	10°	10°
912300024552	BPP616 LED18/740 PSU SRN CLO 60P	10°	10°
912300024553	BPP616 LED30/740 PSU SRN CLO 60P	10°	10°
912300024554	BPP616 LED12/740 PSU SRN CLO 32/60S	10°	10°
912300024555	BPP616 LED18/740 PSU SRN CLO 32/60S	10°	10°
912300024556	BPP616 LED12/740 PSD SRN D9 SRG10 60S	10°	10°

## Product Data

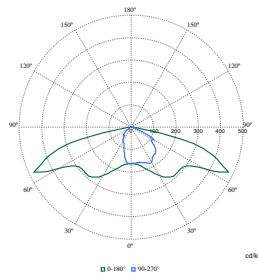
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912300024546	BPP612 LED40/740 PSU SRN CLO 60P	BPP612
912300024547	BPP612 LED60/740 PSU SRN CLO 60P	BPP612
912300024802	BPP612 LED100-3S/830 PSU II MRN GR 60/76	BPP612
912300024803	BPP612 LED70-3S/830 PSU II SRN GR 60/76	BPP612
912300024539	BPP614 LED18/740 PSU SRN CLO 60P	BPP614
912300024540	BPP614 LED23/740 PSU SRN CLO 60P	BPP614
912300024542	BPP614 LED27/740 PSD SRN D9 SRG10 60/76P	BPP614
912300024799	BPP614 LED43-3S/830 PSU II MRN GR 60/76	BPP614

Order Code	Full Product Name	Product family code
912300024801	BPP614 LED43-3S/830 PSU II SRN GR 60/76	BPP614
912300024548	BPP616 LED12/740 PSU SRN CLO 76P	BPP616
912300024549	BPP616 LED18/740 PSU SRN CLO 76P	BPP616
912300024550	BPP616 LED30/740 PSU SRN CLO 76P	BPP616
912300024551	BPP616 LED12/740 PSU SRN CLO 60P	BPP616
912300024552	BPP616 LED18/740 PSU SRN CLO 60P	BPP616
912300024553	BPP616 LED30/740 PSU SRN CLO 60P	BPP616
912300024554	BPP616 LED12/740 PSU SRN CLO 32/60S	BPP616
912300024555	BPP616 LED18/740 PSU SRN CLO 32/60S	BPP616
912300024556	BPP616 LED12/740 PSD SRN D9 SRG10 60S	BPP616

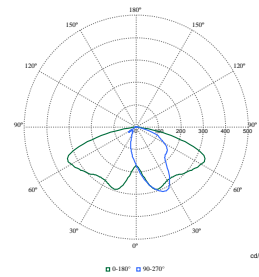
## Polar Wide Diagrams



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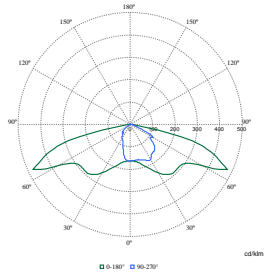
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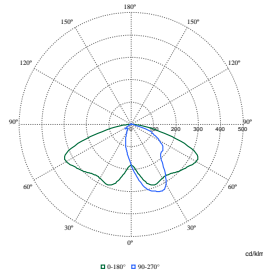
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# Stela+ gen2 Long, Square & Wide

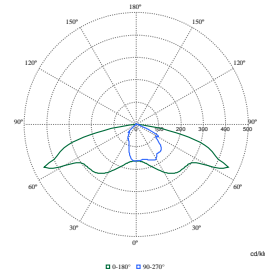
## Polar Wide Diagrams



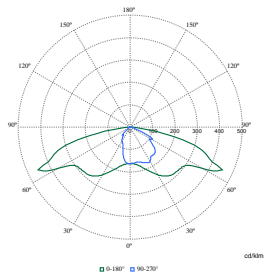
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**Polar Normal (separate) - BPP612I - 912300024802**



**Polar Normal (separate) - BPP612I - 912300024803**



**Polar Normal (separate) - BPP612I - 912300024543**

