All-in-one Solar street light range up-to 18000 lumens, suitable for high ambient temperature applications

GreenVision All-in-one Solar Street Light

Integrated solar street light with Lithium Ferro Phosphate battery, solar panel and MPPT charge controller built into the luminaire. Pressure die cast aluminium for sturdiness and long life. Specially designed pole mounting bracket allows different tilt angles, lateral and pole top mounting. Adjustable LED module for better distribution of light when required.

Benefits
- Brings light to areas without access to electric grid
- Preserves landscape as no trenching for cabling required
- Sturdy construction
- Suitable for high ambient temperature operation
- Saves energy, environment friendly

GreenVision All-in-one Solar Street Light

Features

- High luminous efficacy of > 180 lm/Watt to maximize battery performance
- MPPT charge controller for maximum efficiency
- Specially designed pole mounting bracket with adjustable tilt angles, which can also be used in post top & lateral mounting positions
- 3G compliant pressure die-cast aluminum housing for sturdiness and excellent heat dissipation
- Factory set dimming profile along with microwave sensor for run time maximization. Dimming can be configured at site with the help of configuration remote controller.
- Self diagnostic feature with LED Indicators.

Application

- Road and streetlighting
- Perimeter lighting
- Parks, pedestrian paths, cycle tracks
- Shopping centers, plazas
- Industries, office and school campuses
- Sub-urban areas

Versions

GreenVision SolarAIO-BRP715 LED90

Solar Street Lights

Solar Street Lights

GreenVision SolarAIO-BRP715 LED50

GreenVision SolarAIO-BRP715 LED120

Solar Street Lights

Solar Street Lights

GreenVision SolarAIO-BRP715 LED180

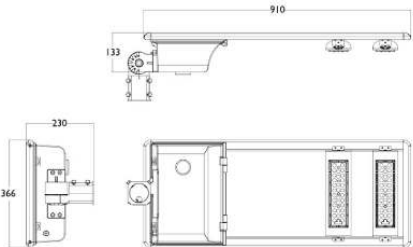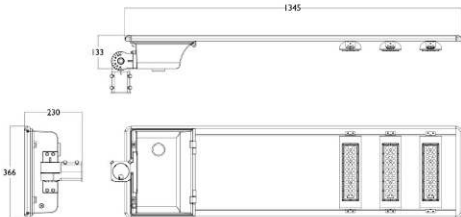# GreenVision All-in-one Solar Street Light

Versions

Solar Street Lights

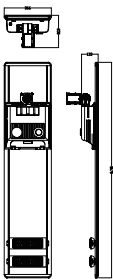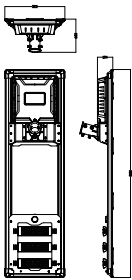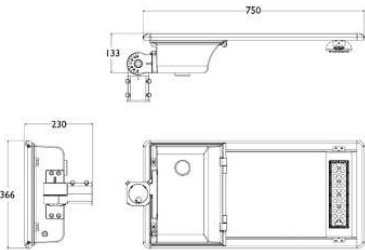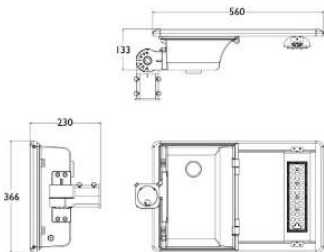GreenVision SolarAIO-BRP715 LED70

Dimensional drawing

BRP715 LED90 CW Solar
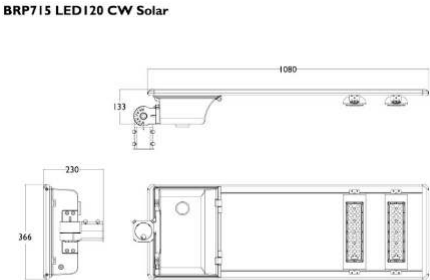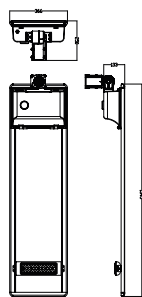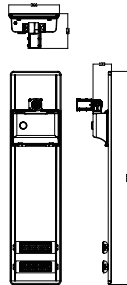

BRP715 LED180 CW Solar

BRP715 LED70 CW Solar

BRP715 LED50 CW Solar

GreenVision All-in-one Solar Street Light

Dimensional drawing

BRP715 LED120 CW Solar
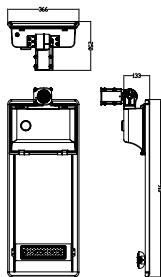
Light Technical

Correlated Color Temperature (Nom)	5700 K
Color rendering index (CRI)	>70

Operating and Electrical

Battery charging & discharging cycles	2000
Charge controller type	MPPT
Grid connection type	Off grid
Panel type	Mono crystalline

Controls and Dimming

Dimmable	Yes
Configurability	Configurable

Mechanical and Housing

Battery location	Inbuilt
Housing Color	Black
Ingress protection code	IP65
Overall height	133 mm

Operating and Electrical (1/2)

Order Code	Full Product Name	Battery ampere hour	Battery type	Battery voltage	Panel peak wattage
911401625708	BRP715 LED90 CW Solar	24 Ah	Lithium Ferro Phosphate	12.8 V	50 W
911401626208	BRP715 LED90 CW Solar Pro	48 Ah	LiFePO4	12.8 V	90 W
911401626008	BRP715 LED50 CW Solar Pro	30 Ah	LiFePO4	12.8 V	50 W
911401625508	BRP715 LED50 CW Solar	12 Ah	Lithium Ferro Phosphate	12.8 V	25 W
911401625808	BRP715 LED120 CW Solar	30 Ah	Lithium Ferro Phosphate	12.8 V	60 W
911401626408	BRP715 LED180 CW Solar Pro	48 Ah	LiFePO4	25.6 V	160 W
911401626108	BRP715 LED70 CW Solar Pro	42 Ah	LiFePO4	12.8 V	80 W
911401625908	BRP715 LED180 CW Solar	24 Ah	Lithium Ferro Phosphate	25.6 V	80 W
911401626308	BRP715 LED120 CW Solar Pro	66 Ah	LiFePO4	12.8 V	100 W
911401625608	BRP715 LED70 CW Solar	18 Ah	Lithium Ferro Phosphate	12.8 V	40 W

Operating and Electrical (2/2)

GreenVision All-in-one Solar Street Light

Order Code	Full Product Name	Panel voltage
911401625708	BRP715 LED90 CW Solar	18 V
911401626208	BRP715 LED90 CW Solar Pro	18 V
911401626008	BRP715 LED50 CW Solar Pro	18 V
911401625508	BRP715 LED50 CW Solar	18 V
911401625808	BRP715 LED120 CW Solar	18 V

Order Code	Full Product Name	Panel voltage
911401626408	BRP715 LED180 CW Solar Pro	36 V
911401626108	BRP715 LED70 CW Solar Pro	18 V
911401625908	BRP715 LED180 CW Solar	36 V
911401626308	BRP715 LED120 CW Solar Pro	18 V
911401625608	BRP715 LED70 CW Solar	18 V

Controls and Dimming

Order Code	Full Product Name	Solar dimming profile
911401625708	BRP715 LED90 CW Solar	Dimming along with micriwave sensor
911401626208	BRP715 LED90 CW Solar Pro	Dimming along with mircowave motion sensor
911401626008	BRP715 LED50 CW Solar Pro	Dimming along with mircowave motion sensor
911401625508	BRP715 LED50 CW Solar	Dimming along with micriwave sensor
911401625808	BRP715 LED120 CW Solar	Dimming along with micriwave sensor
911401626408	BRP715 LED180 CW Solar Pro	Dimming along with mircowave motion sensor

Order Code	Full Product Name	Solar dimming profile
911401626108	BRP715 LED70 CW Solar Pro	Dimming along with mircowave motion sensor
911401625908	BRP715 LED180 CW Solar	Dimming along with micriwave sensor
911401626308	BRP715 LED120 CW Solar Pro	Dimming along with mircowave motion sensor
911401625608	BRP715 LED70 CW Solar	Dimming along with micriwave sensor

Mechanical and Housing

Order Code	Full Product Name	Overall length	Overall width
911401625708	BRP715 LED90 CW Solar	910 mm	366 mm
911401626208	BRP715 LED90 CW Solar Pro	1,535 mm	366 mm
911401626008	BRP715 LED50 CW Solar Pro	910 mm	366 mm
911401625508	BRP715 LED50 CW Solar	560 mm	366 mm
911401625808	BRP715 LED120 CW Solar	1,080 mm	366 mm

Order Code	Full Product Name	Overall length	Overall width
911401626408	BRP715 LED180 CW Solar Pro	1,812 mm	523 mm
911401626108	BRP715 LED70 CW Solar Pro	1,345 mm	366 mm
911401625908	BRP715 LED180 CW Solar	1,345 mm	366 mm
911401626308	BRP715 LED120 CW Solar Pro	1,670 mm	366 mm
911401625608	BRP715 LED70 CW Solar	750 mm	366 mm

Approval and Application

Order Code	Full Product Name	Ambient temperature range
911401625708	BRP715 LED90 CW Solar	–20 to +55 ℃
911401626208	BRP715 LED90 CW Solar Pro	–20 ℃ to 55 ℃
911401626008	BRP715 LED50 CW Solar Pro	–20 ℃ to 55 ℃
911401625508	BRP715 LED50 CW Solar	–20 to +55 ℃
911401625808	BRP715 LED120 CW Solar	–20 to +55 ℃

Order Code	Full Product Name	Ambient temperature range
911401626408	BRP715 LED180 CW Solar Pro	–20 ℃ to 55 ℃
911401626108	BRP715 LED70 CW Solar Pro	–20 ℃ to 55 ℃
911401625908	BRP715 LED180 CW Solar	–20 to +55 ℃
911401626308	BRP715 LED120 CW Solar Pro	–20 ℃ to 55 ℃
911401625608	BRP715 LED70 CW Solar	–20 to +55 ℃

Application Conditions

Order Code	Full Product Name	Ambient temperature range for charging	Ambient temperature range for discharging (when light is on)
911401625708	BRP715 LED90 CW Solar	0 ℃ to +55 ℃	–20 ℃ to +55 ℃
911401626208	BRP715 LED90 CW Solar Pro	0 ℃ to 55 ℃	–20 ℃ to 55 ℃
911401626008	BRP715 LED50 CW Solar Pro	0 ℃ to 55 ℃	–20 ℃ to 55 ℃
911401625508	BRP715 LED50 CW Solar	0 ℃ to +55 ℃	–20 ℃ to +55 ℃
911401625808	BRP715 LED120 CW Solar	0 ℃ to +55 ℃	–20 ℃ to +55 ℃

Order Code	Full Product Name	Ambient temperature range for charging	Ambient temperature range for discharging (when light is on)
911401626408	BRP715 LED180 CW Solar Pro	0 ℃ to 55 ℃	–20 ℃ to 55 ℃
911401626108	BRP715 LED70 CW Solar Pro	0 ℃ to 55 ℃	–20 ℃ to 55 ℃
911401625908	BRP715 LED180 CW Solar	0 ℃ to +55 ℃	–20 ℃ to +55 ℃
911401626308	BRP715 LED120 CW Solar Pro	0 ℃ to 55 ℃	–20 ℃ to 55 ℃

GreenVision All-in-one Solar Street Light

Order Code	Full Product Name	Ambient temperature range for charging	Ambient temperature range for discharging (when light is on)
911401625608	BRP715 LED70 CW Solar	0 °C to +55 °C	–20 °C to +55 °C

www.lighting.philips.com

2023, April 14 – data subject to change