



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.

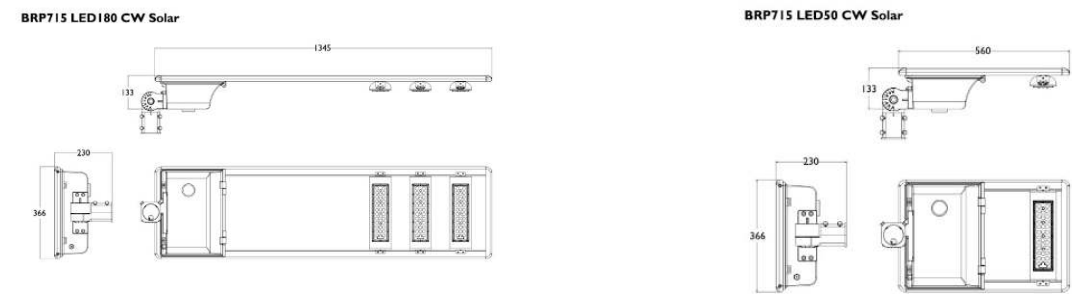
Application

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

Versions

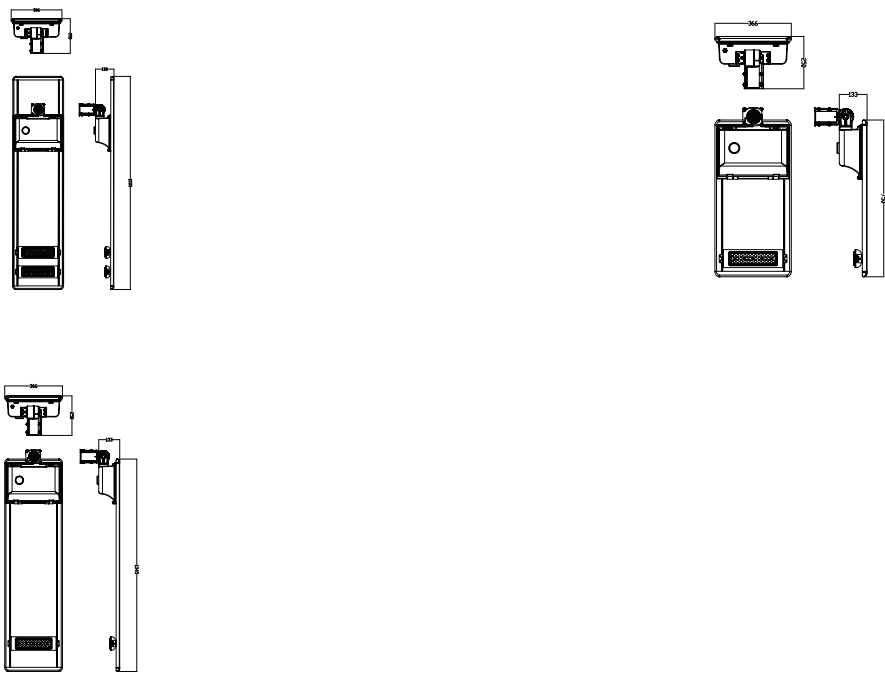


Dimensional drawing



GreenVision All-in-one Solar Street Light

Dimensional drawing



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
Overall width	366 mm

Operating and Electrical (1/2)

Order Code	Full Product Name	Battery ampere hour	Battery type	Battery voltage	Panel peak wattage
911401627208	BRP715 LED90 CW Solar Pro 5	48 Ah	LiFePO4	12.8 V	90 W
911401625508	BRP715 LED50 CW Solar	12 Ah	Lithium Ferro Phosphate	12.8 V	25 W
911401626608	BRP715 LED70 CW Solar 5	18 Ah	LiFePO4	12.8 V	40 W
911401627108	BRP715 LED70 CW Solar Pro 5	42 Ah	LiFePO4	12.8 V	80 W
911401625908	BRP715 LED180 CW Solar	24 Ah	Lithium Ferro Phosphate	25.6 V	80 W

Operating and Electrical (2/2)

Order Code	Full Product Name	Panel voltage
911401627208	BRP715 LED90 CW Solar Pro 5	18 V
911401625508	BRP715 LED50 CW Solar	18 V
911401626608	BRP715 LED70 CW Solar 5	18 V

Order Code	Full Product Name	Panel voltage
911401627108	BRP715 LED70 CW Solar Pro 5	18 V
911401625908	BRP715 LED180 CW Solar	36 V

GreenVision All-in-one Solar Street Light

Controls and Dimming

Order Code	Full Product Name	Solar dimming profile
911401627208	BRP715 LED90 CW Solar Pro 5	Dimming along with mircowave motion sensor
911401625508	BRP715 LED50 CW Solar	Dimming along with micriwave sensor
911401626608	BRP715 LED70 CW Solar 5	Dimming along with mircowave motion sensor

Order Code	Full Product Name	Solar dimming profile
911401627108	BRP715 LED70 CW Solar Pro 5	Dimming along with mircowave motion sensor
911401625908	BRP715 LED180 CW Solar	Dimming along with micriwave sensor

Mechanical and Housing

Order Code	Full Product Name	Overall length
911401627208	BRP715 LED90 CW Solar Pro 5	1,535 mm
911401625508	BRP715 LED50 CW Solar	560 mm
911401626608	BRP715 LED70 CW Solar 5	750 mm

Order Code	Full Product Name	Overall length
911401627108	BRP715 LED70 CW Solar Pro 5	1,345 mm
911401625908	BRP715 LED180 CW Solar	1,345 mm

Approval and Application

Order Code	Full Product Name	Ambient temperature range
911401627208	BRP715 LED90 CW Solar Pro 5	-20 °C to 55 °C
911401625508	BRP715 LED50 CW Solar	-20 to +55 °C
911401626608	BRP715 LED70 CW Solar 5	-20 °C to 55 °C

Order Code	Full Product Name	Ambient temperature range
911401627108	BRP715 LED70 CW Solar Pro 5	-20 °C to 55 °C
911401625908	BRP715 LED180 CW Solar	-20 to +55 °C

Application Conditions

Order Code	Full Product Name	Ambient temperature range for charging	Ambient temperature range for discharging (when light is on)
911401627208	BRP715 LED90 CW Solar Pro 5	0 °C to 55 °C	-20 °C to 55 °C
911401625508	BRP715 LED50 CW Solar	0 °C to +55 °C	-20 °C to +55 °C
911401626608	BRP715 LED70 CW Solar 5	0 °C to 55 °C	-20 °C to 55 °C

Order Code	Full Product Name	Ambient temperature range for charging	Ambient temperature range for discharging (when light is on)
911401627108	BRP715 LED70 CW Solar Pro 5	0 °C to 55 °C	-20 °C to 55 °C
911401625908	BRP715 LED180 CW Solar	0 °C to +55 °C	-20 °C to +55 °C

