



**Brings light to areas
with problem in grid,
No trenching for
cabling required,
Safety, long life, zero
electricity,
maintenance free.**

SmartBright Solar All-in-two Street Light

External high efficiency polysilicon solar panel Die-casting aluminum housing, Professional lighting distribution, 2000, 3000, 4000lumens versions available, Plug-play connector between luminaire and PV panel Inbuilt LiFePO4 battery and MPPT controller.

Benefits

- Easy installation
- Wide range of outdoor application
- Suitable for areas where electrical connections are difficult to maintain
- 100% Green solar power energy
- No fossil energy consumption

Features

- High luminous efficacy up-to 180lm/watt to maximize battery performance
- MPPT charge controller for maximum efficiency
- Factory set dimming profile for run time maximization

SmartBright Solar All-in-two Street Light

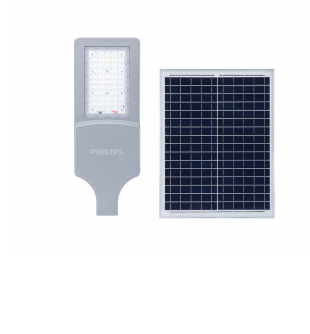
Application

- Streets, parks & plazas, parking, pedestrian pathway, shopping centers, corporate campuses, industries, etc.

Warnings and Safety

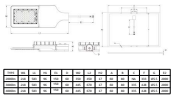
- Install the luminaire in a sunny place that is not shaded by trees, buildings and walls, then the solar panel can receive the maximum sunlight for charging the battery.
- Charge the product under sunlight for at least 8 hours before first time using.
- This luminaire does not need any external electrical connection.
- It works 100% on solar energy.

Versions



BRP216 G2 SOLAR

Dimensional drawing



SmartBright Solar All-in-two Street Light

Light Technical

Correlated Color Temperature (Nom)	4000 K
Color rendering index (CRI)	70

Operating and Electrical

Battery type	Lithium Ferro Phosphate
Battery voltage	3.2 V
Grid connection type	Off grid
Panel type	Poly crystalline
Panel voltage	16 V

Controls and Dimming

Dimmable	No
Configurability	Not configurable
Solar dimming profile	Pre-configured

Mechanical and Housing

Battery location	In built
Housing Color	Gray
Ingress protection code	IP65
Overall height	96 mm
Overall length	583 mm
Overall width	218 mm

Approval and Application

Ambient temperature range	0 °C to 50 °C
---------------------------	---------------

Application Conditions

Ambient temperature range for charging	0 °C to 50 °C
Ambient temperature range for discharging (when light is on)	-10 °C to 60 °C

Operating and Electrical

Order Code	Full Product Name	Battery ampere hour	Panel peak wattage
66148900	BRP216 LED20/740 G2 Solar	50 Ah	20 W
66149600	BRP216 LED30/740 G2 Solar	75 Ah	40 W
66150200	BRP216 LED40/740 G2 Solar	100 Ah	40 W

