



Efficient



Battery



Smart



LC3-20W

All-in-two solar street lighting system

20W	80W	538Wh	IP66
Lamp power	Solar panel	Battery capacity	Protection

Designed for reliable off-grid road and area lighting, the LC3 series combines a high-efficiency monocrystalline solar module, Philips LED technology, LiFePO4 battery storage, intelligent control and PIR sensing in a flexible two-part system.



Product overview

ENGINEERED FOR SIMPLE INSTALLATION, LONG LIFE & SERVICEABILITY

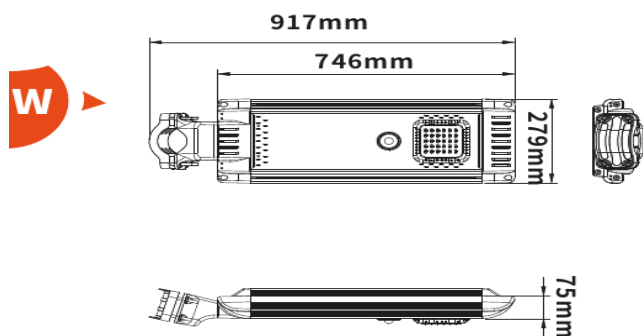


Key design features

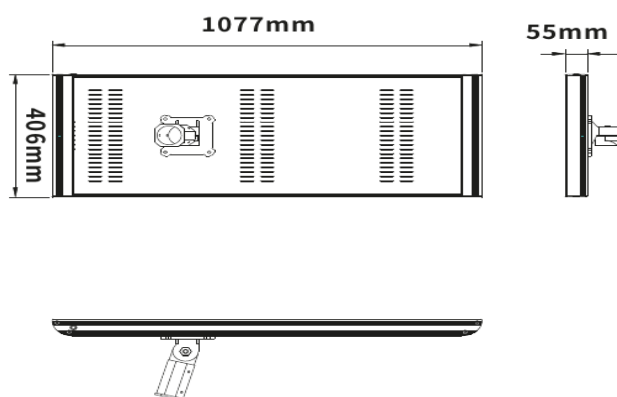
- Modular LED thermal design
- Battery protection system
- Adjustable solar panel and luminaire
- Weather-resistant construction
- PIR / timer control
- Designed for straightforward maintenance

Dimensions

LED Light



Solar System





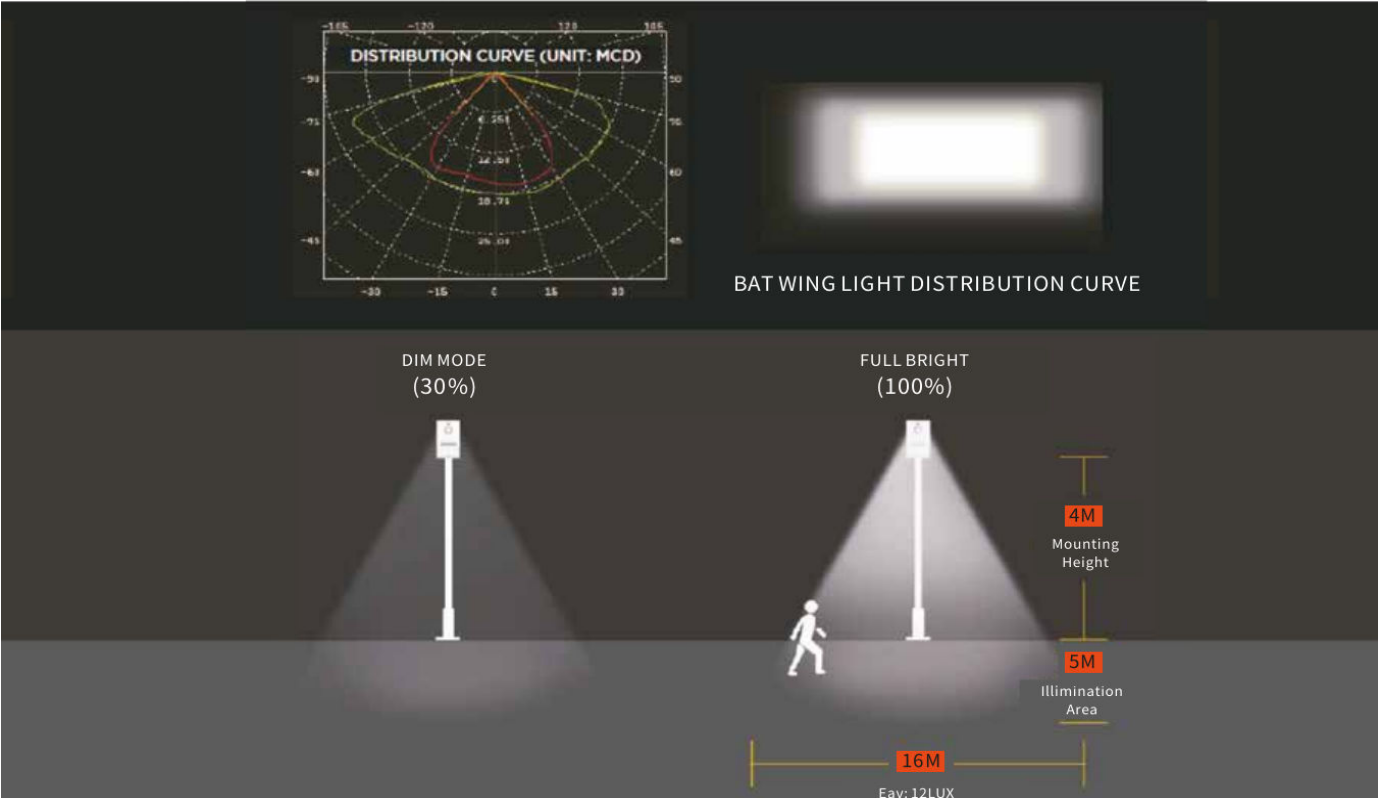
Lighting performance

PHILIPS LED PLATFORM & OPTIMISED ROAD DISTRIBUTION

liable & Efficiency & Long lifespan



The LC3-20W uses Philips LED chips with an integrated aluminium base and sealed optical lens. The source datasheet states lens transmittance up to 93%, with a bat-wing distribution intended to improve uniformity and usable lighting area.

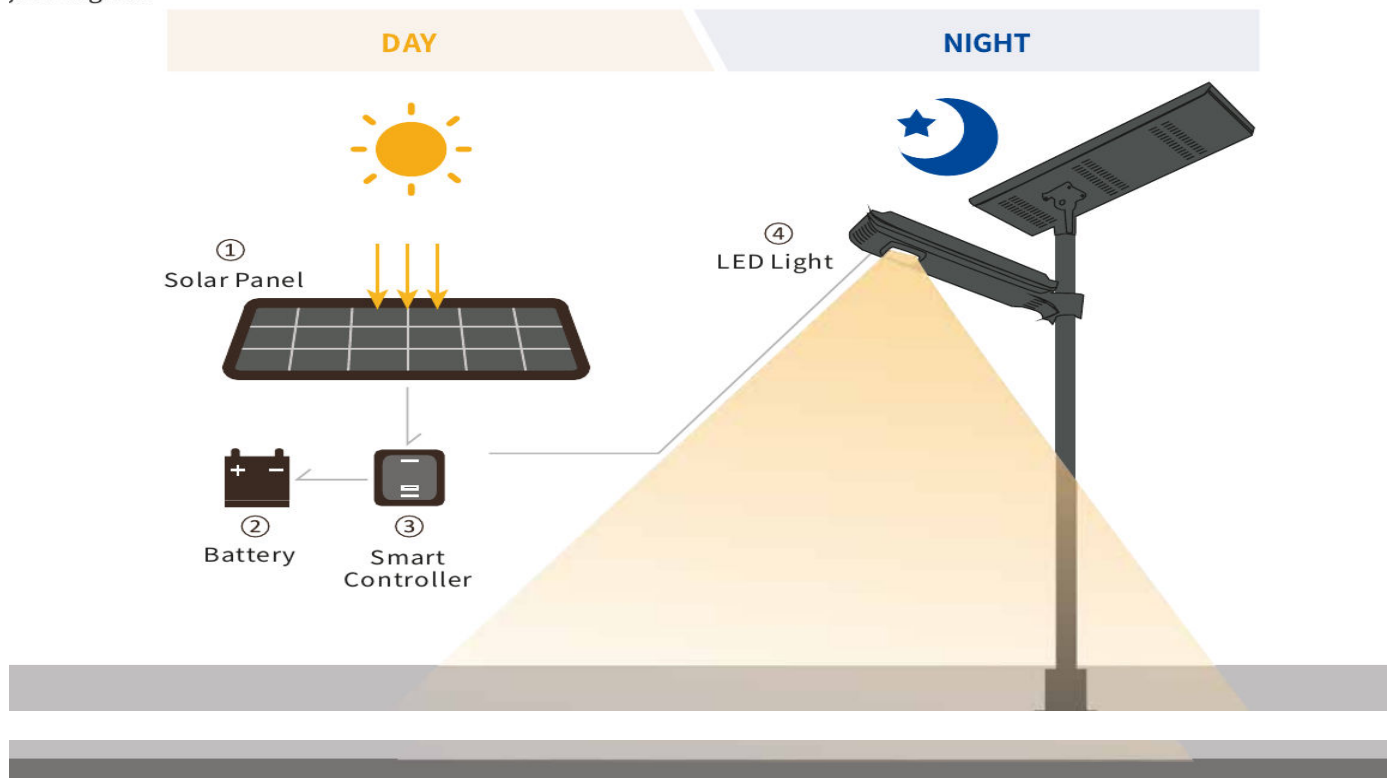


Mounting height	3 m	4 m	5 m	6 m
Illumination area	70 m²	80 m²	93.5 m²	108 m²
Average illuminance	14 lx	12 lx	11 lx	9 lx



Smart control & battery protection

Light Diagram



Battery Protection System

Waterproof & Damp proof & Explosion proof

Excellent
Waterproof System



- * Built-in LiFePO4 class A battery , single cell with PTC.
- * Superior IC with military standards in battery protection board.
- * Exclusive patented waterproof sealed box, up to IP66.
- * Over charging & over discharging protection.



Installation & maintenance

ADJUSTABLE, SERVICEABLE AND DESIGNED FOR ON-SITE ACCESS

Flexible & Adjustable & Anti-Typhoon



* Simple to use, and attach it to the post with some screws.

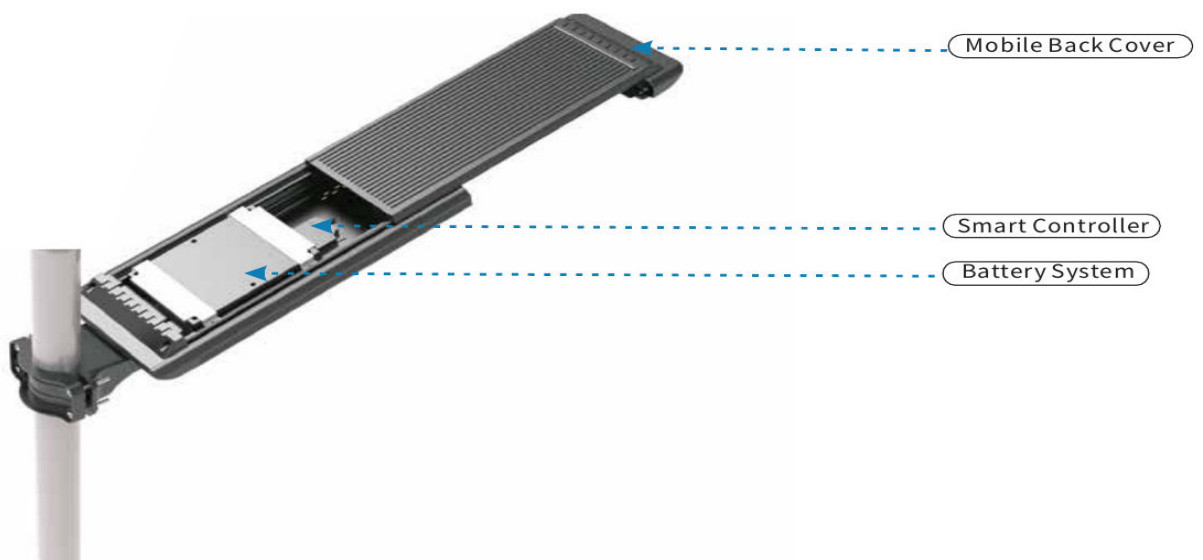
* Adjust lamp and solar panel direction according to local lighting region and sunlight condition respectively.

* Patent hooping design with multi-point contact areas, safety increased by 30%.

Easy Maintenance

Flexible & Fast Way & Low cost

Replacement
on site directly





Technical data

Physical parameters

Power of PV module	80 W
LiFePO4 battery capacity	42 Ah
LED brand	PHILIPS
LED quantity	50 pcs
Light mode	PIR / Time Control
Remote control function	Not specified
Rainy days	Minimum 15 days

Light parameters

Light power	20 W
Typical luminous flux	3020 lm
Colour temperature	2700-6500 K
Light distribution type	T3
Beam angle	70° x 140°
Minimum working hours - full light	27 h
Minimum working hours - 30% mode	90 h
Light control threshold	30 lux

Environment & installation

Charging temperature	0°C to +60°C
Discharging temperature	-20°C to +60°C
Storage temperature	-20°C to +45°C
Effective projected area	5.6 ft²
Wind strength	110 mph
Recommended top-pole diameter	89 mm
Recommended installation height	4-6 m
Recommended installation distance	15-25 m

Product sizes and weights are shown on the original dimensional drawing and packing schedule. This redesigned sheet preserves the supplied technical values while presenting them in a cleaner specification format.