



# Lone Star LED

[www.lonestarled.com](http://www.lonestarled.com)

**Bright Star Series  
SPECIFICATION 2020**

## Solar Bright Star All In One

The Light is a high powered 'All in One' modular solar street and area light with a streamlined and modern appearance that easily attaches to the top of a round pole without the need for any further wiring or additional components. It uses an integrated high capacity LiFePO4 Lithium Iron Battery along with a 'high output' LED adjustable light source mounted underneath the solar panel that is perfect for illuminating open space areas.

## Applications

- Street & Public Area Lighting
- Bike & Pathways
- Pedestrian & Rail crossing
- Temporary & Event Lighting
- Construction Sites
- Rural & Remote Area Lighting
- Security & Perimeter Lighting
- Jetties, Boardwalks, Pontoons & Boat ramps

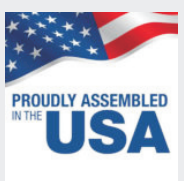


LED outputs ranging from 15W to 100W.

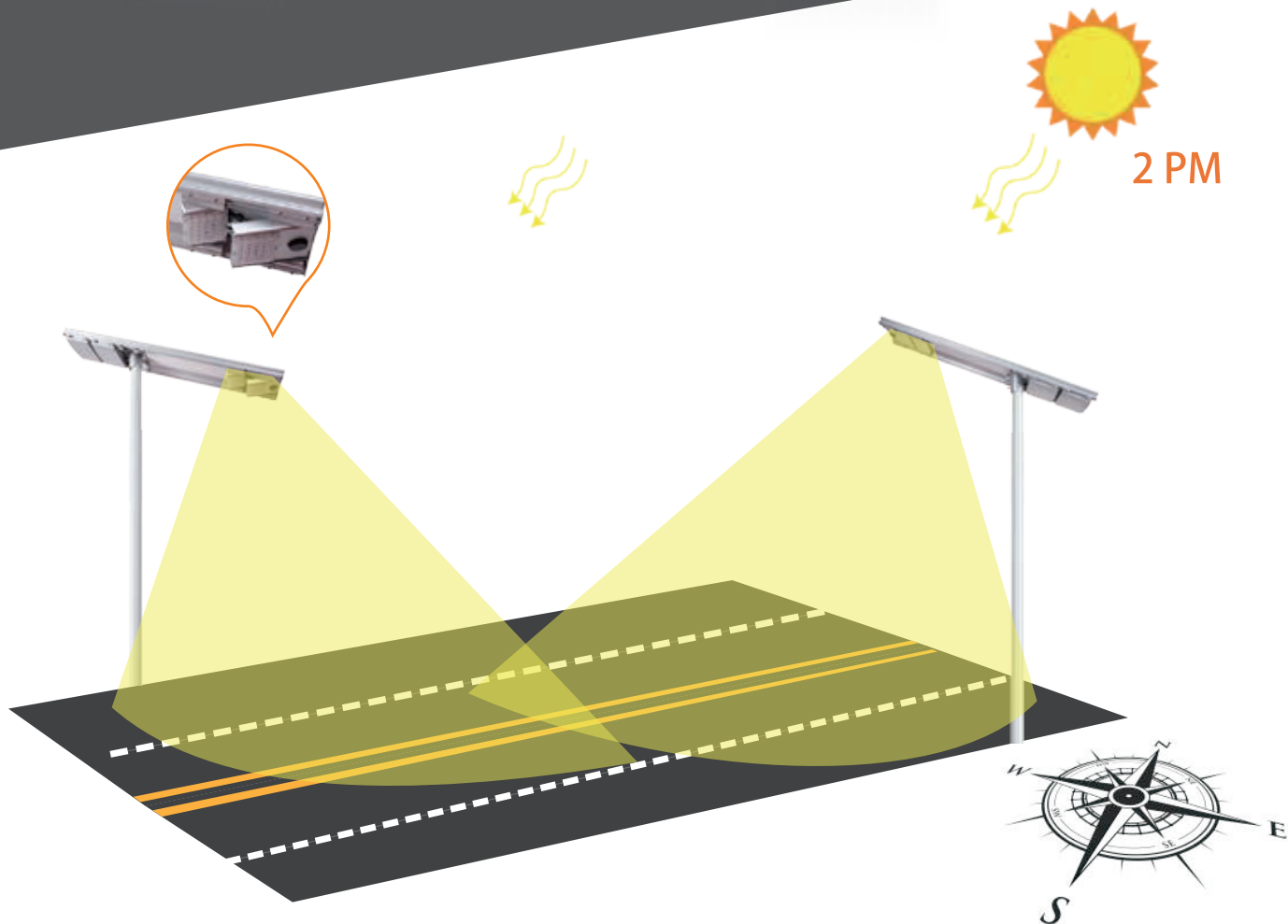
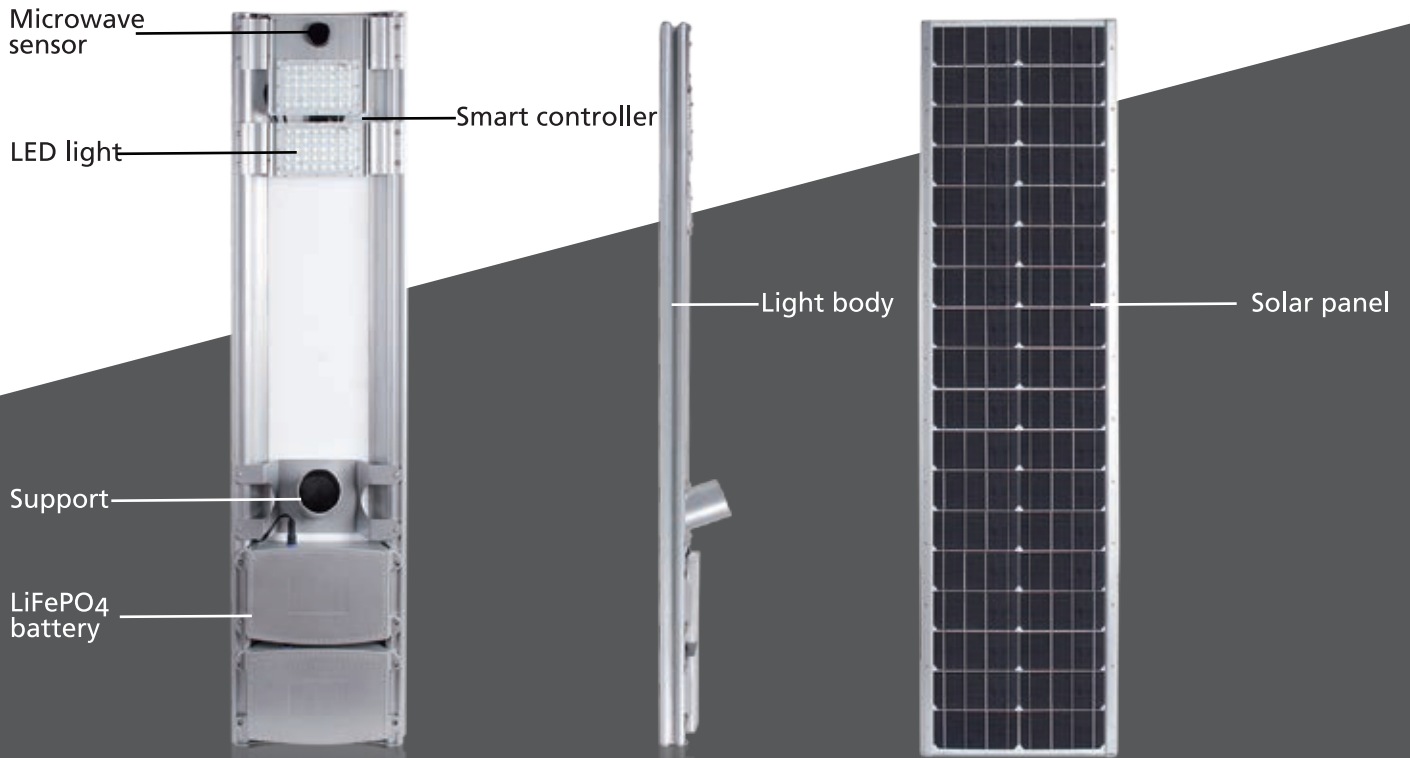
**INSTALLATION**  
Easily installs on the top of pole without any drilling or wiring of other components.







**SIZES**  
Solar Panels available in a choice of sizes from 40W to 130W output



Assembled in Texas








### Feature

-  Lone Star's light body, 'All In One' streamlined and modern appearance.
-  All die-cast aluminum light body with zinc plated anti-corrosion, no need to worry about coastal application.
-  Perfect modular structural design, the battery, led light, and solar panel units are all detachable, and can be easily replaced.
-  Our weather predictability feature enables our lights to function during low energy periods.



### Benefits

-  Led power, battery capacity can be easily increased or decreased, convenient for customized specification.
-  Lower installation costs, no need for trenching and cabling.
-  Powered by clean energy, our solar street lights cut your electricity cost to zero.
-  Lone Star's wireless lighting management software, reduces your maintenance cost by 80%
-  Microwave motion sensor, illumination levels will automatically be regulated from a 'dim-mode' to 'full-brightness' when it detects movements.



### Humanized intelligent Remote Control Technology

Default is M mode, you can choose the best mode according to different sunshine conditions, (Customized working mode with respect to customer's different requirement)



Light control	100%-1hr, 70%-3hrs, 20% till dawn.
Time control	100%-2hrs, 70%-2hrs, 50%-2hrs.
Microwave control	100% if people come close, 30% far away.
Time+ Microwave control	100%-2hrs, 70%-2hrs, 50%-2hrs, sensor working 50%, if people come close, 20% far away.

### A simple and quick installation



fits standard pole ϕ65-75mm

## Technical specification

Model		LNBS-AS-15	LNBS-AS-20	LNBS-AS-30	LNBS-AS-40	LNBS-AS-50	LNBS-AS-60	LNBS-AS-80	LNBS-AS-100
Lighting Parameters	Power	15 W	20 W	30 W	40 W	50 W	60 W	80 W	100 W
	Lumen	1950/2250 lm	2600/3000 lm	3900/4500 lm	5200/6000 lm	6500/7500 lm	7800/9000 lm	1040/12000 lm	13000/15000 lm
	OCT	6500 K							
Physical Parameters	Solar Panel (Monocrystalline)	40 W/18V	45 W/18 V	55 W/18 V	65 W/18 V	80 W/18 V	90 W/18 V	110 W/18 V	130 W/18 V
	LiFePO <sub>4</sub> Battery	15 AH/12.8 V	18 AH/12.8 V	21 AH/12.8 V	27 AH/12.8 V	33 AH/12.8 V	39 AH/12.8 V	21AH/125.6V	24AH/25.6V

## Suggested installation distance

Model		LNBS-AS-15	LNBS-AS-20	LNBS-AS-30	LNBS-AS-40	LNBS-AS-50	LNBS-AS-60	LNBS-AS-80	LNBS-AS-100	
Installation Suggestion	Mounting Height Range	3-4 m	4-5 m	5-6 m	6-7 m	7-8 m	7-8m	8-9m	8-10m	
	Installation Distance Range	10-13 m	13-16 m	16-19 m	19-23m	23-27 m	27-31m	30-35 m	35-40 m	
	Upper Diameter	65-75 mm								
Measurements	LengthxWidthxHeight [mm]	780x360x150			1000x360x150		1200x360x150	1480x360x150	1760x360x150	1960x360x150
	Gross wigh (kg)	12	13	15	16	17	20	23	26	

## The general technical specification in all models:



Characteristics	Technical Specification	
Lighting Parameters	Light Distribution	Type III
	Viewing Angle	140° x 70°
	CRI	>75 RA
	Light Control Voltage	5 V
	Working Time	full power 9hs saving mode Continuously 4 - 5 rainy days , 12 hours per night
Physical Parameters	Sensor Type	Microwave Detection(By radar)
	Detection Distance	≤25m
	Delay Time	10seconds (optional)
	Control Modes	Light control / Time control / Microwave control/ Time +Microwave control
	Charging Time	6 -8 hs sunshine directly
	Discharging Time	60 hours
	Material of Light	Aluminum alloy
Work Temperature	Chip Lifetime	≥5000hours
	Charge Temperature	-25°C ~ 65°C
	Discharge Temperature	-20°C ~ 45°C
	Storage Temperature	-20°C ~ 45°C

