

# REC

SOLAR STREET LIGHTS



**Model No: LM-002-SSBYR1\*\*-100W**

## TECHNICAL DESCRIPTION

All in One Solar Street light, 100% Powered by solar, Auto On/Off mode, with a back up of 2 rainy days. With built in LiFePO4 Lithium battery with BMS system. With MPPT control and easy installation, No digging, no trenching and save more on labour cost.

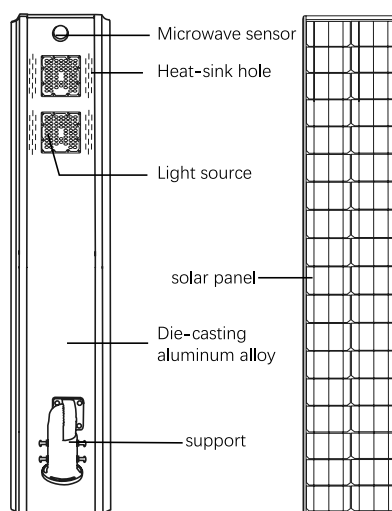
## INSTALLATION

Pole/Post Mounted, Wall Mounted

## AREAS OF APPLICATION

- Street Light • Road Light • Industrial Area • Residentail Area
- Parking Lots • Rural Area

## DIAGRAM

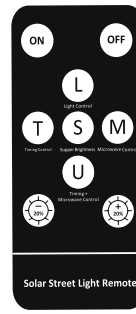
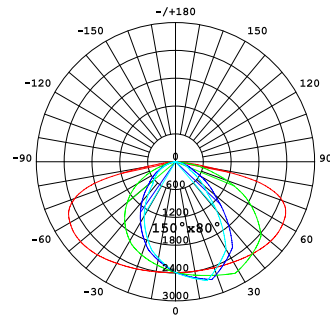


## MODEL NUMBER SELECTION

LM-002-SSBYR1  - 100W

CW - 6000K  
NW - 4000K  
WW- 3000K

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



## PHYSICAL CHARACTERISTICS

Installation	Pole Mounted	Fixture Material	Die Cast Aluminium
Product Dimension	B350 x L1800 x W130	Solar Panel Size	331 x 1750 (mm)
Adjustability	90°	Installation Height	10-11m
Diffuser	PMMA Lens	Rotation	Adjustable
Standard Finish	Silver, Grey	Optional Accessories	N/A
IP-Rating	IP66		

## ELECTRICAL CHARACTERISTICS

Wattage	100W	ON	Instant light ON
LED Luminous Flux	14000lm	OFF	Instant light OFF
Solar Panel	150W 18V	Light Control	100% 2hr   70% 2hr   20% till dawn
LiFePO4 battery	51AH 12.8V	Time Control	50% 1hr   100% 4hr   50% 3hr 25% 4hr
Color Rendering Index	>80	Super Brightness	100% 6hr   50% 6hr
Color Temperature	3000K, 4000K, 6000K	Microwave Control	100% object move closer 30% object move away
Beam Angle	150° x 80° (Type IV)	Time + Microwave Control	100% 2hr   70% 2hr   50% 2hr 50% object move closer 20% object move away
UGR	>22	-20%	Decrease 20% brightness based on original working mode
Driver Options	LYTEMASTER, TRIDONIC, MEAN WELL	+20%	Increase 20% brightness based on original working mode

## PRODUCT SPECIFICATION

Mains Volatge	220-240V	Environmental Temp	-20°C ~ +40°C
Frequency	50/60 Hz	Rated Service Life (h)	50,000
Safety Class	III	Certification	TUV, CE, RoHS
Autonomy	2 Days	Solar Charging	6 - 8hrs

Notice: We reserve the right to make the technical changes without notice. Please contact our sales office for further information.