



## OSCOTECH LIGHT-UP PROJECT, ESA OKE OSUN STATE

Project Name: **OSUN STATE COLLEGE OF TECHNOLOGY LIGHT-UP PROJECT**

Location: **Esa-Oke, Osun State.**

Project Start Date: **July 2024**

Project Completion Date: **August 2024**

### Introduction:

The Solar Light Up project aims to provide sustainable and reliable lighting solutions to the school community, particularly in areas where the path leading to the various blocks within the school. The 120W Solar Powered Streetlight Project aimed to provide sustainable and efficient lighting within the premises of Osun State College of Technology. The solar Light Up project exemplifies a sustainability project by addressing energy access, environmental protection, social equity, and economic viability, aligning with the UN's SDGs. Here's what the project achieved:

### Objectives and Achievements:

1. Provide reliable and efficient lighting to school complex, enhancing safety and security.
2. Replace fossil fuel-based lighting with renewable energy, reducing greenhouse gas emissions.
3. Improve indoor air quality by eliminating kerosene and diesel fumes.
4. Enhance economic productivity through extended working hours.
5. Foster school community development through improved social interactions.

### Project Images/ Photograph:



# LED INTEGRATED SOLAR ALL-IN-ONE LIGHT

# MOON®



## FEATURES

- Easy to install; No wires needed and can be mounted onto wall or pole
- High quality microwave sensor
- Turns on and off automatically: Night sensor comes on at dusk. Press the switch once to turn on.
- Must be charged directly under the sun
- Aluminum Alloy body
- Excellent heat dissipation
- Long-life Lithium battery as energy storage
- 180° Adjustable Rotating bracket
- Pole is not included

WARRANTY & LISTINGS	APPLICATIONS
1-year replacement warranty	Street
IP 65 Waterproof	Garden
Lumen: 150 -160lm/W	Yard
CCT: 6000K	Patio
Rated Power: 120W	Driveway
Photocell+ infrared/Radar Sensor	Parking lot
Turn on/off Automatically	Roadway



Press switch once to turn on



Mount on wall or pole



Charge directly under the sun



Turns on at night  
Turns off at dawn  
Motion activated

## WORKING TIME

Approximately 3 nights on a full charge. Data is based on charging 8 hours in direct sunlight. Working time may change depending on installation areas, seasons, environments, and the direction.

## HOW IT WORKS

1. Requires Sun light to work. Charge in direct sunlight for at least 8 hours. Select the best day-lighting location to set up the pole. Pole of 3-7 meters high is appropriate.
2. Turn on the switch before installation
3. Dusk-To-Dawn and motion sensor come standard and cannot be disabled or overridden.

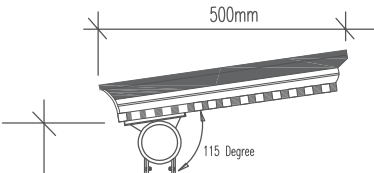
## MAINTENANCE

Solar panel is the longest service life of component in the solar street light which can be used for 25 years. In case of long periods with no rain, the surface will gather soil dust, which affects power generating efficiency-Manual cleaning of the whole light source and panel is necessary when using 2 to 3 years.

The battery itself has certain self-discharge. Discharge condition at night is -20°C to +60°C, battery performance will be damaged beyond this range. When solar light is not in use for a long time, please take out the light regularly for charging in the sun

## SPECIFICATIONS

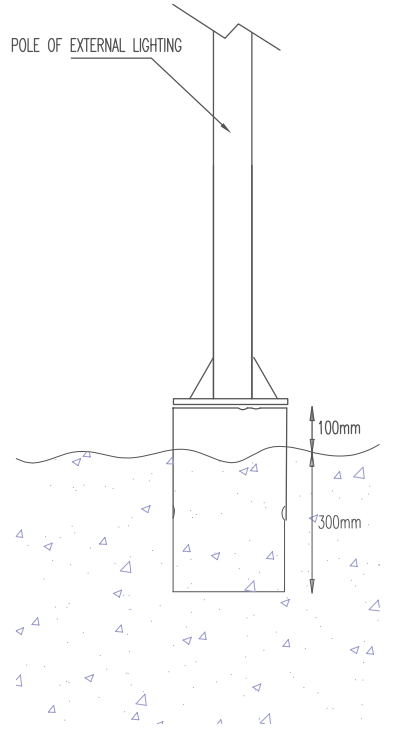
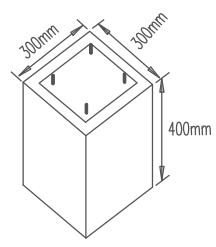
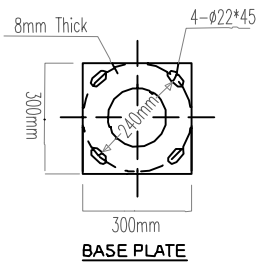
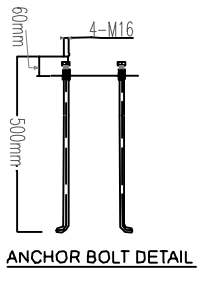
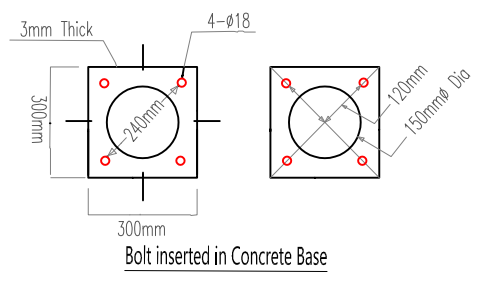
PRODUCT CODE	WATTAGE	LUMENS	DIMENSIONS	MOUNTING HEIGHT
MN-T13-120W	120W	18000LM	36.6" x 14.3" x 6.2"	15Feet - 20Feet



**120W All-in-One Solar Light**

75mm  $\phi$  Mild Steel  
3.00mm Thick  
(Painted Black)

5000mm



**LIGHTING INSTALLATION DETAILS**

**NOTES:**  
All Dimensions are in Millimeters unless  
Unless otherwise stated.  
All coordinates are in Millimeters.

**PROJECT TITLE**  
EXTERNAL LIGHTING

**MEP CONTRACTORS:**  
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**DRAWING TITLE**  
ELECTRICAL SERVICES  
LIGHTING LAYOUT

Checked: no	date: MAY 2024
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