

# ALL IN ONE SSL049



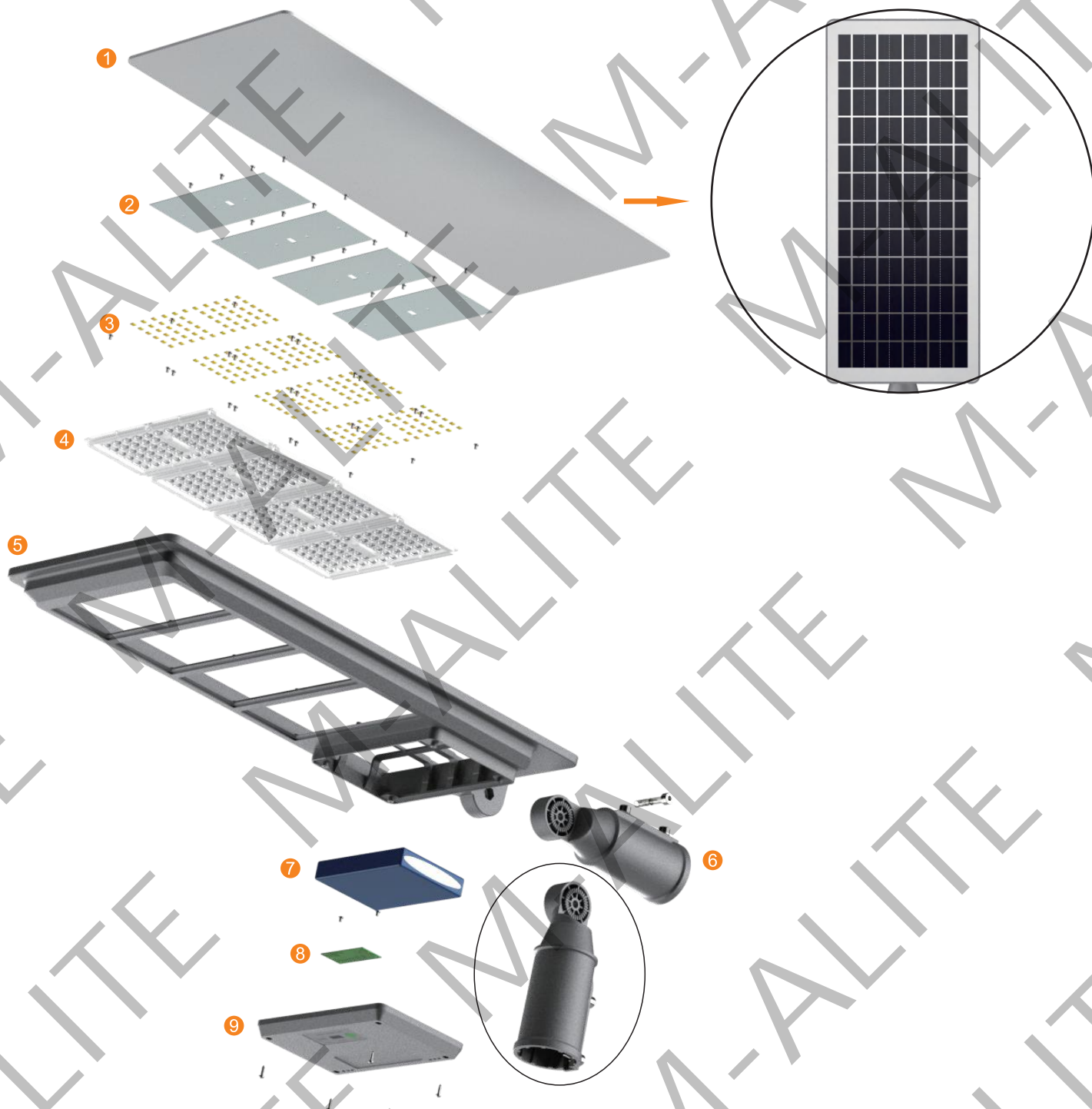
With a high efficiency conversion rate of 18%-20%, it can also be charged in a low-light environment, intelligently charged during the day, and intelligently lit at night.

1. The microwave sensing distance is 8-10M. The sensing angle is 360°
2. In the microwave mode, the light is slightly on when there is no one, and the light is fully on when people come. When people leave the light, it turns on after 10-15 seconds and then turns into unoccupied state
3. The built-in anti-interference function of the single-chip microcomputer, there is no mutual interference between the lamp and the lamp

This series of street lights are widely used in outdoor roads. IP65 protection design, can be installed in urban roads, municipal engineering roads, country roads and other road lighting places. There are two installation methods of horizontal installation and vertical installation to meet the needs of different lighting places.

- High-efficiency solar charging, no wiring.
- The brightness of the whole lamp is as high as 110lm/W.
- Adopt 5050 4-crystal high-brightness lamp beads.
- Professional road light distribution design.
- Lamp body anti-UV PC material.
- IP65 waterproof for outdoor use.

## Product Exploded View



- ① High-efficiency polysilicon solar panels
- ② High thermal conductivity aluminum substrate
- ③ 5050 bright lamp beads
- ④ Optical PC lens
- ⑤ PC material lamp body
- ⑥ Adjustable reinforced bracket, adjustable angle from 0-90°
- ⑦ IP65 waterproof
- ⑧ Microwave induction switch circuit board
- ⑨ Infrared remote control module

## Optical characteristics

|                       |                  |
|-----------------------|------------------|
| LED chip              | Lumileds/Epistar |
| System efficiency     | 160LM/W          |
| CRI                   | >70              |
| L70 B10 at 25°C       | 100,000h         |
| Operating temperature | -20°C a +60°C    |
| Type of optics        | Type II Type III |
| Optical material      | PC               |

## Mechanical characteristics

|                      |                           |
|----------------------|---------------------------|
| Housing              | Aluminum                  |
| Fixing               | Ø60mm                     |
| Angle of inclination | Adjustable (-15° to 105°) |
| LED Module           | Interchangeable           |
| IP                   | IP65                      |
| IK                   | IK08                      |

## Electrical characteristics

|                             |                              |
|-----------------------------|------------------------------|
| Battery type                | Li-ion                       |
| Discharge time              | 20-36 hours (With detection) |
| Panel life                  | 25 years                     |
| Charge/discharge protection | Yes                          |
| Method of detection         | Infrared/Radar               |
| ON/OFF switch               | Integrated in luminaire      |

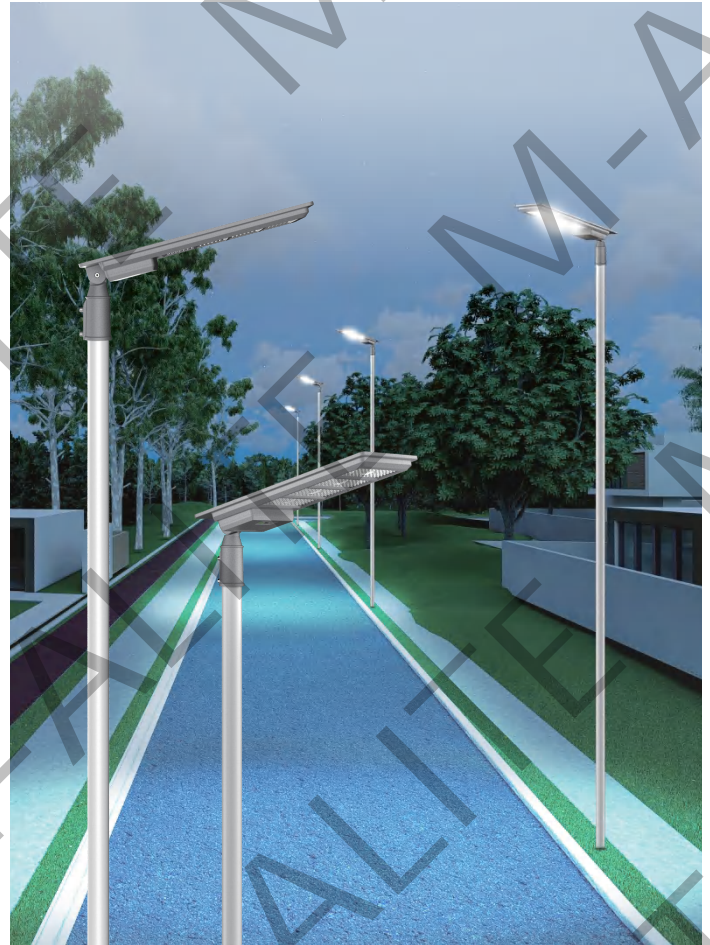


Report No.: HB-088E-0548/22

| IEC 60598-2-3  |  |                 |         |
|----------------|--|-----------------|---------|
| Clause         | Requirement + Test   | Result - Remark | Verdict |
| <b>3.6.3.1</b> | <b>Static Load Test</b>  |                 | P       |
|                | - drag coefficient.....  | 1.2             | P       |
|                | - Loaded area (m²) .....   | 0.1782m²        | P       |
|                | - The mounting heights of luminaires (m).....  | Max. 6m         | P       |
|                | - The wind speeds(m/s) relevant to the mounting heights of luminaires or external parts  | 45m/s           | P       |
|                | - The load (N).....  | 265N            | P       |
|                | - A constant evenly distributed load is applied for 10 min on the most critical surface. |                 | P       |
|                | - After the test, there shall be no visible failure impairing the safety                 |                 | P       |
|                | - no permanent deformation from the attachment which exceeds a slope of more than 2 cm/m | <2cm/m          | P       |
|                | - no rotation around the point of attachment.  |                 | P       |

SSL049 Wind resistance test report

## Installation method



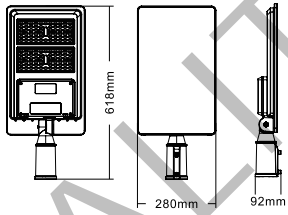
Orientation for maximum use of solar radiation.



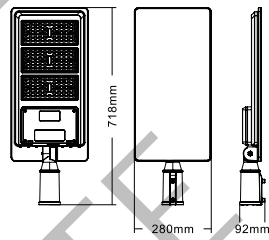
Integrated LED group

| Item No.    | Solar Panel | Battery   | LED             | Size(mm)   |
|-------------|-------------|-----------|-----------------|------------|
| SSL049-200W | 6V 16W      | 3.2V 15AH | SMD 5050 124PCS | 618*280*92 |
| SSL049-300W | 6V 20W      | 3.2V 20AH | SMD 5050 186PCS | 718*280*92 |
| SSL049-400W | 6V 25W      | 3.2V 25AH | SMD 5050 248PCS | 818*280*92 |

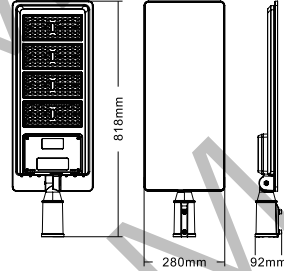
200W



300W

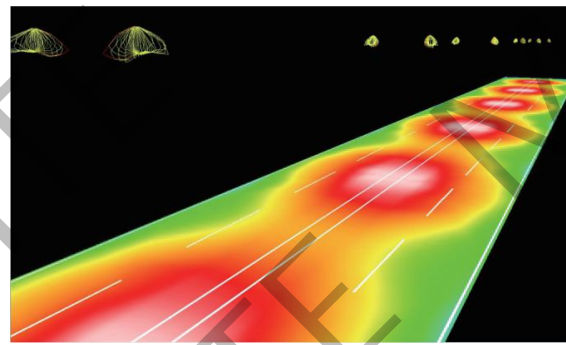


400W

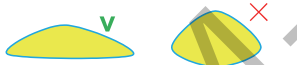


φ60mm

### Optics



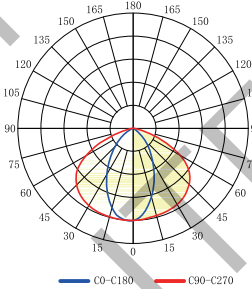
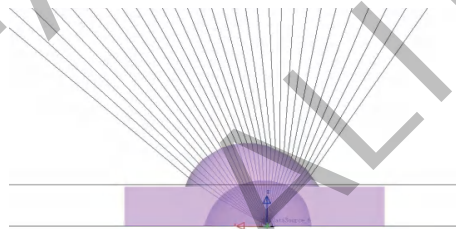
Energy saving design



Uniform design



Light-cutting design



Technical support: Provide the length, perception, and advanced parameters of the space, and inform us of the use of the space, We can do professional DIALUX lighting simulation for you.

### Remote control

When using infrared remote control, the remote control distance can reach 10M.

