



## ALL IN ONE SOLAR STREET LIGHT

Ref No: GR-SSL-160B

This integrated solar street light is high quality solution, with LifePO4 and Mono solar panel, adjustable 90° joint which can be installation on the top of pole, or install into pole with arm. The duration time is 3-5 raining days. Available **a remote controller**. Widely used for governments projects. Working model: Light with sensor, dusk to dawn. During night time, the light will be 100% brightness when there is any movement, but it will be only 30% brightness when there is no any movement.



## Complete Product Data

|                     |                      |
|---------------------|----------------------|
| Order Number        | GR-SSL-160B          |
| LED wattage         | 80W                  |
| Install Dia         | D60-65mm             |
| Dimension(mm)       | 1655*345*160mm       |
| Adjustable joint    | Yes                  |
| IP Grade            | IP65                 |
| Beam angle          | 80*140°              |
| Duration            | 3-5 raining days     |
| Working temperature | -25°C ~ +60°C        |
| Lumens              | <b>16000-16800lm</b> |
| Warranty            | 3Years               |
| Install height      | 10-12meter           |
| GW                  | 20.5KG/PCS/CTN       |
| Package Size        | 1780*400*130mm       |

## Solar Panel

|                  |                                     |
|------------------|-------------------------------------|
| Solar panel Type | Monocrystalline silicon solar panel |
| Capacity         | 18V 100W                            |
| Efficiency       | >20%                                |
| Waterproof       | IP65                                |
| Lifespan         | >25years                            |
| Warranty         | 15years                             |

## Sensor & Controller

|                  |  |
|------------------|--|
| Type             | Motion sensor.                         |
| Sensor distance  | 10-12meter                             |
| Photocell sensor | included ( dusk to dawn automatically) |
| Photocell sensor | PWM or MPPT                            |
| Max current      | 10-20A                                 |
| Max voltage      | 12-36V                                 |

## Battery

|                  |                            |
|------------------|----------------------------|
| Level            | Grade A                    |
| Protection board | Included                   |
| Battery type     | LifePO4                    |
| System voltage   | 12.8V                      |
| Capacity         | 45Ah                       |
| Lifetime         | >2000 times recycle        |
| Charge time      | 6 hours by strong sunlight |

## Photometric Data

|                    |  |
|--------------------|--|
| LED chip brand     | PHILIPS  |
| Chip type          | SMD 3030 300pcs*1W                               |
| Color temperature  | 3000-3200K/4000-4500K/ 5700-6000K                |
| CRI                | >Ra70  |
| Life time          | >50000Hrs  |
| Lumens             | 200lm/W  |
| SDCM               | <5   |
| Lumens maintenance | 99.9%@1000hrs/ 99%@3000hrs /98%@10000hrs. (LM80) |

## Lighting Distribution

