# Product Features

- 90w and 180w Metal Halide Equivalent Options
- 5000K
- Inbuilt Motion Sensor
- Power saving mode (PSM) provides 30% reduced brightness until sensor detects motion
- Fits 60mm spigot size
- Supports pole top or spigot mount
- Automatic night-time operation
- MPPT intelligent controller
- Aluminium die cast housing
- Adjustable solar panel allows for ultimate angle and direction to achieve best charging results.
- 155/70° Beam Angle
- IP65 Housing
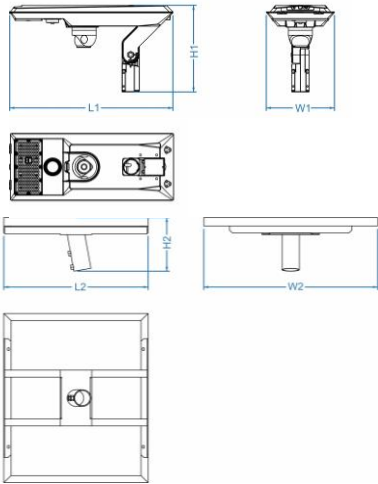- IK08 Impact Rating

# Specification Overview

| Model | Equivalent | Colour Temp | Lumens | Beam Angle | Trim Colour | Dimensions |
|---|---|---|---|---|---|---|
| SSL-G330C2 | 90w MH | 5000K | 4,500lm | 155/70° | Dark Grey | Light: 713 x 297 x 384mm<br>Panel: 503 x 426 x 25mm |
| SSL-G360C2 | 180 MH | 5000K | 9,000lm | 155/70° | Dark Grey | Light: 713 x 297 x 384mm<br>Panel: 730 x 503 x 30mm |

## LED Solar Street Light
### Split Panel – 4,500lm

**90w** Equivalent (MH)

**s-tech** LED Lighting
**Switch to Excellence**

| Model | Power | Lumens | CCT | Light Dimension (W x H x D) | Panel Dimension (W x H x D) | Weight |
|---|---|---|---|---|---|---|
| SSL-G330C2 | 90w Equivalent (Metal Halide) | 4,500lm | 5000K | 713 x 297 x 384mm | 503 x 426 x 25mm | 22kg |
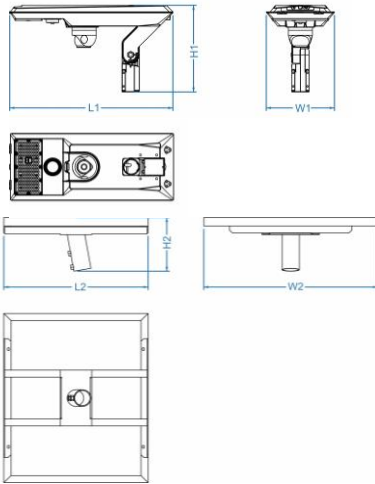
### Specification

| | | | |
|---|---|---|---|
| CCT | 5000K | Housing | Diecast aluminium |
| Efficacy | >150lm/w | Lens | Polycarbonate diffuser |
| CRI (%) | ≥80 | Housing Colour | Dark Grey |
| Beam Angle | 155° / 70° | Operation Temperature | -10°C to +55°C |
| Solar Panel | 30w | Lifespan | >40,000 hours |
| Battery | LifeP04 230wH | Remote Control | N/A |
| Charging Time | ~6 Hours | Motion Sensor | PIR |
| Operation Time | Dusk to dawn* | Sensor Range | ≤ 10m |
| Impact Rating | IK08 | | |
| Protection Rating | IP65 | Warranty | 5 Years |

### Dimensions



* S-Tech solar products are designed for dusk to dawn operation with added allowance for winter conditions, however you must be aware that in winter months it is possible that some nights the light will not last all night due to inclement weather conditions limiting charging time. Solar is not recommended for any locations classed as critical lighting areas where lighting is required all night.

## LED Solar Street Light
### Split Panel – 9,000lm

**180w** Equivalent (MH)

**s-tech** LED Lighting
**Switch to Excellence**

| Model | Power | Lumens | CCT | Light Dimension (W x H x D) | Panel Dimension (W x H x D) | Weight |
|-------|-------|--------|-----|---------------------------|----------------------------|--------|
| SSL-G360C2 | 180w Equivalent (Metal Halide) | 9,000lm | 5000K | 713 x 297 x 384mm | 730 x 503 x 30mm | 25kg |

### Specification

| | | | |
|---|---|---|---|
| CCT | 5000K | Housing | Diecast aluminium |
| Efficacy | >150lm/w | Lens | Polycarbonate diffuser |
| CRI (%) | ≥80 | Housing Colour | Dark Grey |
| Beam Angle | 155° / 70° | Operation Temperature | -10°C to +55°C |
| Solar Panel | 62w | Lifespan | >40,000 hours |
| Battery | LifeP04 384wH | Remote Control | N/A |
| Charging Time | ~6 Hours | Motion Sensor | PIR |
| Operation Time | Dusk to dawn* | Sensor Range | ≤ 10m |
| Impact Rating | IK08 | | |
| Protection Rating | IP65 | Warranty | 5 Years |

### Dimensions



* S-Tech solar products are designed for dusk to dawn operation with added allowance for winter conditions, however you must be aware that in winter months it is possible that some nights the light will not last all night due to inclement weather conditions limiting charging time. Solar is not recommended for any locations classed as critical lighting areas where lighting is required all night.

Specifications are subject to change without notice

**S-tech LED Lighting**
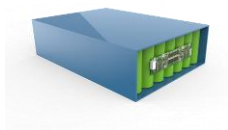
**LED Solar Street Light**
Split Panel – 9,000lm

## System Features

- Installation angle -15° to +15° adjustable
- Supports pole top or spigot mounting

- Die cast aluminium housing, tool-free opening for maintenance
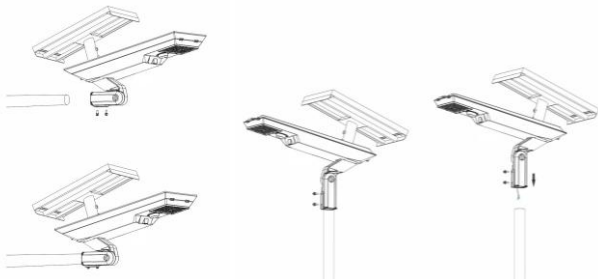- Corrosion resistant powder coating with S/Steel fixings

- Temperature protection system
- 3 way temperature control via battery, battery pack and system controller

- MPPT controller, 15-20% higher efficiency than PWM controllers
- Low battery level dimming to prolong LED lighting time

## Installation methods

## A Guide to Spacing

Below is a quick guide to allow a calculation of the number of lights required for each type of application.  This is to be used as a guide only however should you require your design to meet the AS/NZ standard then we highly recommend using a lighting designer to provide an approved design for your project.  (Pedestrian path 1.5m wide,  4m high pole)

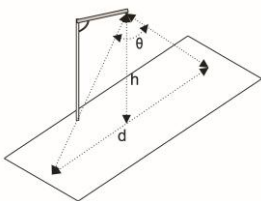| Pedestrian / Cycle Activity | Risk of Crime | Maintained Illuminance | Spacing in Metres |
|---|---|---|---|
| N/A | High | 2 lux | 32m |
| High | Medium | 0.7 lux | 39m |
| Medium | Low | 0.3 lux | 45m |
| Low | Low | 0.14 lux | 51m |

## Brightness Control

30% brightness when no movement

100% brightness when sensor activated

## Sensing Distance

| Inductive Type | $\theta$(Angle) | h (Height of lamp rod) | d (Inductive width) |
|---|---|---|---|
| IR (infrared) | 60° | 6~8m | 6~10m |