

Product Specification



Solar Street Light
All-in-One Series



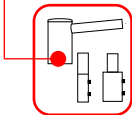
Product Features

- 100w, 160w and 200w Metal Halide Equivalent models available
- 4000K
- 3 Mode Settings
- Built-in Microwave Motion Sensor
- Power saving mode (PSM) provides dimmed light until motion detected
- Multi-function Remote Control Included
- Spigot Mounting (fits 60mm or 76mm)
- Aluminium Housing
- 155°/70° (T2M) Polycarbonate Lens
- IP65 Housing
- IK08 Impact Rating
- Weight: 20kg

Options:



Mounting Poles



Outreach or
Spigot Adaptors



Light



Battery

Specification Overview



Model	Equivalent	Colour Temp	Lumens	Optics	Trim Colour	Dimensions
SSL-AIO-5	100w MH	4000K	5,100lm	T2M	Dark Grey	1102x340x420mm (with vertical spigot)
SSL-AIO-8	160w MH	4000K	8,160lm	T2M	Dark Grey	1102x340x420mm (with vertical spigot)
SSL-AIO-10	200w MH	4000K	10,200lm	T2M	Dark Grey	1102x340x420mm (with vertical spigot)

Solar Street Light All-in-One Series

AIO Features



Adjustable LED Modules



Features:

High Brightness LED

Quality LED's enhance visibility and safety whilst providing energy efficiency.

Adjustable LED Module

The angle of each LED module is adjustable according to road width to provide better lighting performance.

MPPT Charge Controller

Maximises energy efficiency ensuring longer battery life and limits blackouts.

Programmable by Remote

The supplied remote control allows the options of 3 lighting modes and 2 timer modes to suit your requirements.

Robust Design

The construction of the light fixture provides superior durability, corrosion resistance and heat dissipation.

LiFePO4 Battery

Grade A+ battery cells are used in this fitting with high uniformity of internal resistance for charging and discharging.

Solar Street Light
All-in-One Series – 5,100lm

100w
Equivalent
(MH)



Model	Power	Lumens	CCT	Dimension (W x H x D)	Weight
SSL-AIO-5	100w Equivalent (Metal Halide)	5,100lm	4000K	1102 x 340 x 420mm (with spigot attached)	20kg

Specification				Dimensions
CCT	4000K	Housing	Aluminium	
Efficacy	>170lm/w	Lens	Polycarbonate	
CRI (%)	≥80	Housing Colour	Dark Grey (RAL7016)	
Optics	T2M (155°/70°)	Fits Spigot Size	76mm or 60mm (reducer included)	
Solar Panel	Mono 18V/82W	Operation Temperature	-25 °C to +65°C	
Battery	LiFePO4 12.8V, 230Wh	Motion Sensor	Microwave	
Impact Rating	IK08	Sensor Range	65°, 10m Max.	
Protection Rating	IP65	Warranty	5 Years Light 3 Years Battery	

Mode Selections			
Mode A (default): Step 1: 2Hrs at 100% Step 2: 4Hrs Sensor Mode [®] (30%/70%) Step 3: 9Hrs Sensor Mode [®] (20%/50%) Light operation from dusk-to-dawn*	Mode B: Step 1: 1Hrs at 100% Step 2: 2Hrs at 60% Step 3: 3Hrs at 40% Step 4: 9Hrs at 30% Light operation from dusk-to-dawn*	Mode C: 15Hrs Sensor Mode [®] (30%/100%) Light operation from dusk-to-dawn*	Test: 100% for 30 seconds to test the light is working
<small>*Sensor mode places the light in a standby brightness until motion is sensed, the light will then increase brightness for 30 seconds or until the motion has stopped. The percentage values shown the lower figure is the stand-by lighting value and the higher figure is the brightness when there is motion.</small>		<small>*Sensor mode places the light in a standby brightness until motion is sensed, the light will then increase brightness for 30 seconds or until the motion has stopped. For example, the percentage values shown the lower figure is the stand-by lighting value and the higher figure is the brightness when there is motion.</small>	

Timer Function (6 or 12 hours): With this setting, you can program the light to operate for either 6 or 12 hours and then the light will turn off after the time has expired, the following night the timer function will start again.

* 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.

Solar Street Light
All-in-One Series – 8,160lm

160w
Equivalent
(MH)



Model	Power	Lumens	CCT	Dimension (W x H x D)	Weight
SSL-AIO-8	160w Equivalent (Metal Halide)	8,160lm	4000K	1102 x 340 x 420mm (with spigot attached)	20kg

Specification				Dimensions
CCT	4000K	Housing	Aluminium	
Efficacy	>170lm/w	Lens	Polycarbonate	
CRI (%)	≥80	Housing Colour	Dark Grey (RAL7016)	
Optics	T2M (155°/70°)	Fits Spigot Size	76mm or 60mm (reducer included)	
Solar Panel	Mono 18V/82W	Operation Temperature	-25 °C to +65°C	
Battery	LiFePO4 12.8V, 370Wh	Motion Sensor	Microwave	
Impact Rating	IK08	Sensor Range	65°, 10m Max.	
Protection Rating	IP65	Warranty	5 Years Light 3 Years Battery	

Mode Selections			
Mode A (default): Step 1: 2Hrs at 100% Step 2: 4Hrs Sensor Mode [®] (30%/70%) Step 3: 9Hrs Sensor Mode [®] (20%/50%) Light operation from dusk-to-dawn*	Mode B: Step 1: 1Hrs at 100% Step 2: 2Hrs at 60% Step 3: 3Hrs at 40% Step 4: 9Hrs at 30% Light operation from dusk-to-dawn*	Mode C: 15Hrs Sensor Mode [®] (30%/100%) Light operation from dusk-to-dawn*	Test: 100% for 30 seconds to test the light is working
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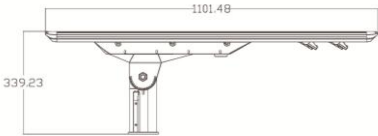
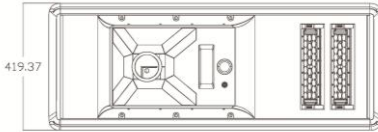
Solar Street Light

All-in-One Series – 10,200lm

200w

Equivalent
(MH)

Model	Power	Lumens	CCT	Dimension (W x H x D)	Weight
SSL-AIO-10	200w Equivalent (Metal Halide)	10,200lm	4000K	1102 x 340 x 420mm (with spigot attached)	20kg

Specification				Dimensions
CCT	4000K	Housing	Aluminium	
Efficacy	>170lm/w	Lens	Polycarbonate	
CRI (%)	≥80	Housing Colour	Dark Grey (RAL7016)	
Optics	T2M (155°/70°)	Fits Spigot Size	76mm or 60mm (reducer included)	
Solar Panel	Mono 18V/82W	Operation Temperature	-25 °C to +65°C	
Battery	LiFePO4 12.8V, 460Wh	Motion Sensor	Microwave	
Impact Rating	IK08	Sensor Range	65°, 10m Max.	
Protection Rating	IP65	Warranty	5 Years Light 3 Years Battery	

Mode Selections			
Mode A (default): Step 1: 2Hrs at 100% Step 2: 4Hrs Sensor Mode [®] (30%/70%) Step 3: 9Hrs Sensor Mode [®] (20%/50%) Light operation from dusk-to-dawn*	Mode B: Step 1: 1Hrs at 100% Step 2: 2Hrs at 60% Step 3: 3Hrs at 40% Step 4: 9Hrs at 30% Light operation from dusk-to-dawn*	Mode C: 15Hrs Sensor Mode [®] (30%/100%) Light operation from dusk-to-dawn*	Test: 100% for 30 seconds to test the light is working
<small>*Sensor mode places the light in a standby brightness until motion is sensed, the light will then increase brightness for 30 seconds or until the motion has stopped. The percentage values shown the lower figure is the stand-by lighting value and the higher figure is the brightness when there is motion.</small>		<small>*Sensor mode places the light in a standby brightness until motion is sensed, the light will then increase brightness for 30 seconds or until the motion has stopped. For example, the percentage values shown the lower figure is the stand-by lighting value and the higher figure is the brightness when there is motion.</small>	

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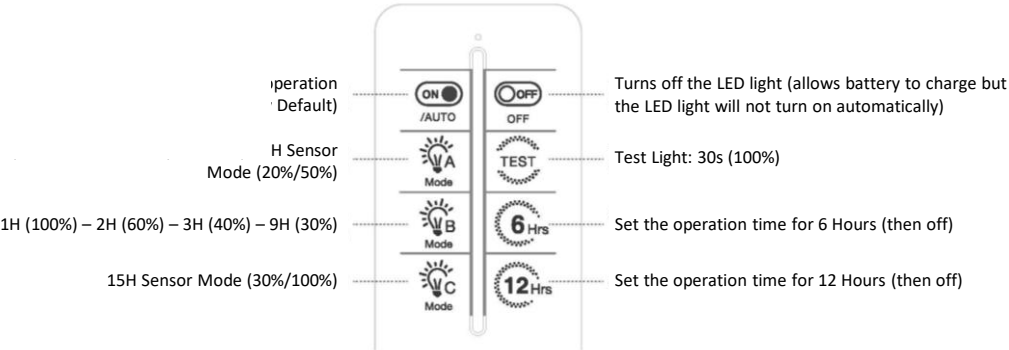
Solar Street Light

All-in-One Series

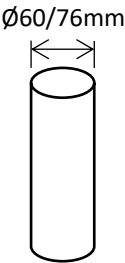
Remote Control

Factory Default (Mode C):
30% no motion, 100% when motion detected, after 30 seconds since the last motion detected the light will dim back to 30%

Remote Control Operation:



Installation Methods



Horizontal installation



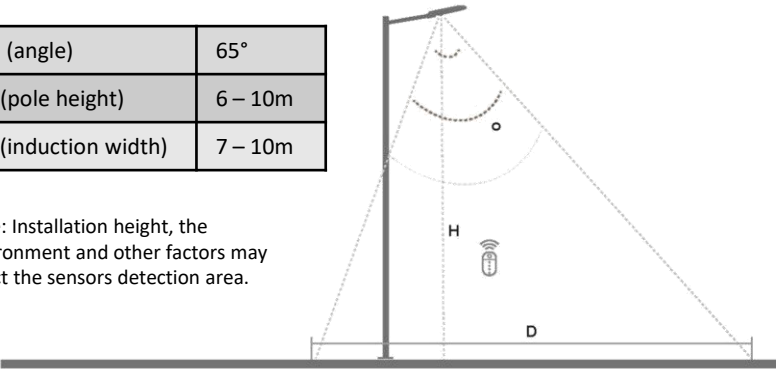
Vertical installation

For best operation the solar panel should be NORTH facing, we understand that with some lights you will not be able to face the solar panel to the North, this will impact the ability to charge the light efficiently, in this situation please keep the light flat and use the adjustable LED panels to direct the light as required.

Motion Sensor

"O" (angle)	65°
"H" (pole height)	6 – 10m
"D" (induction width)	7 – 10m

Note: Installation height, the environment and other factors may affect the sensors detection area.



Lighting Distribution

T2M Optics

