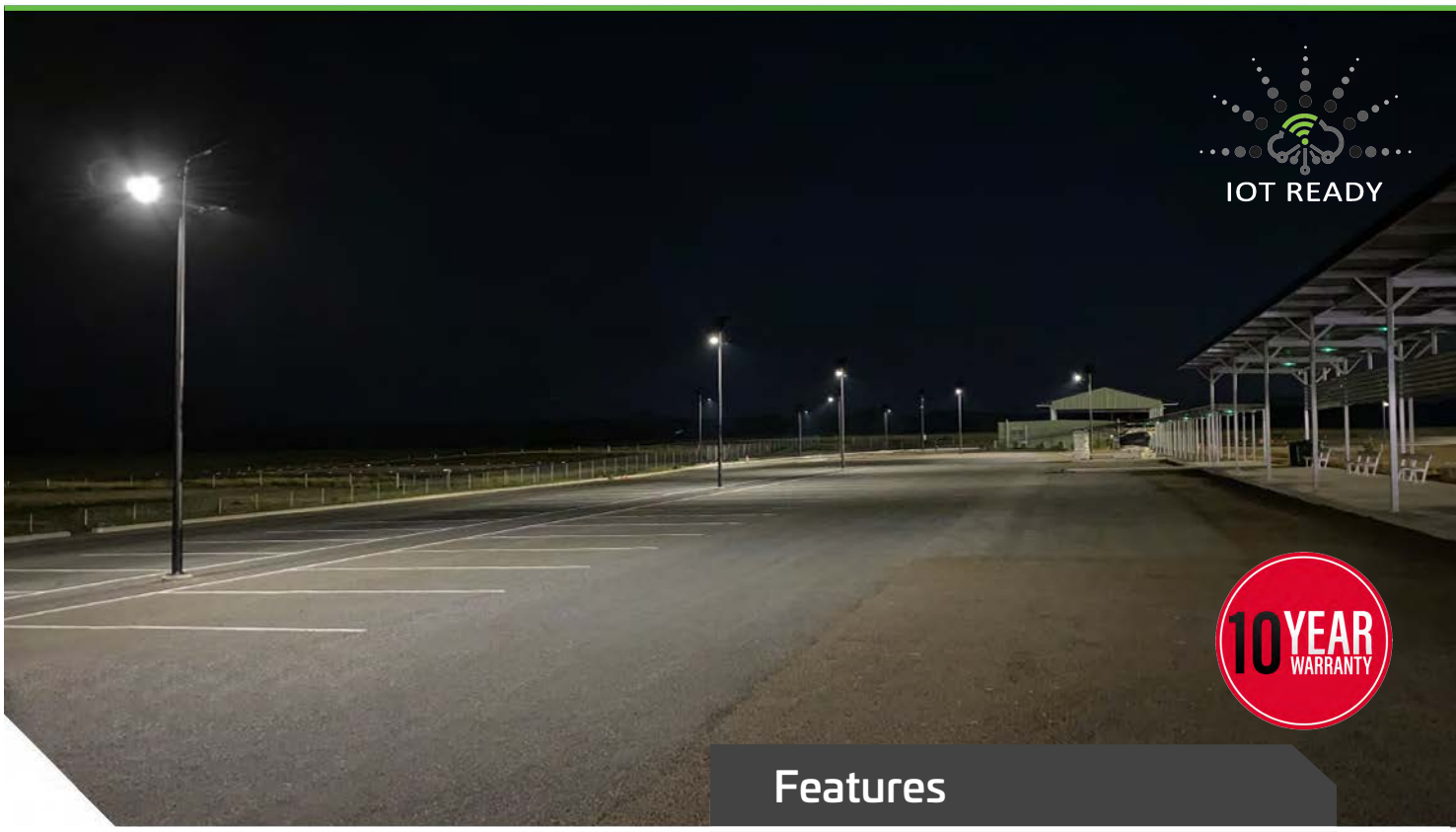
SLD MODULAR PRO 30W SPECIFICATION SHEET

Solar Lighting Designs



The SLD Modular-Pro Solar lighting range offers scalable lighting output from a modular solar lighting system. All Modular Pro Series systems combine premium components, quality construction and are built specifically to suit the application. The modern design of the SLD Modular-Pro Solar Light incorporates the solar panel, battery, and LED array into one post top mounted, streamlined, and efficient Solar fitting.

Outputs from 10w to 60w in either single or twin light heads are available. Constant output dusk to dawn, motion detected PIR sensor activated, or custom programmed lighting are available options. The use of premium Lifepo4 battery and intelligent lighting control combined with 5050 SMD LED's producing up to 190+ lumens per watt provide an exceptional light output from these solar luminaires.

Luminaire Height	4 - 6m
Lumen Output	5190 lm
LED Output	30W

Features

- Premium-grade modular solar lighting
- Scalable lighting output
- Constant output or PIR activated
- Ideal for illuminating paths and cycleways
- Preinstalled IOT capability
- Programmable smart lighting
- Automatic dusk to dawn lighting
- Custom brackets or powdercoated columns manufactured on request
- Up to 190 lumen/watt LED output
- Aluminium frame and components in a powder coated black finish (RAL9005)
- Mounting height of 4 - 6 metres
- 25 year warranty on solar panel and light fitting, 10 year warranty on batteries and electronics. Warranty covers faulty workmanship or component failure not influenced by external means**

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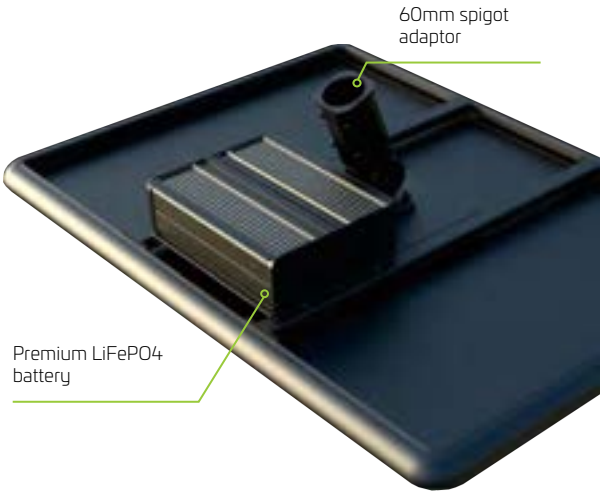

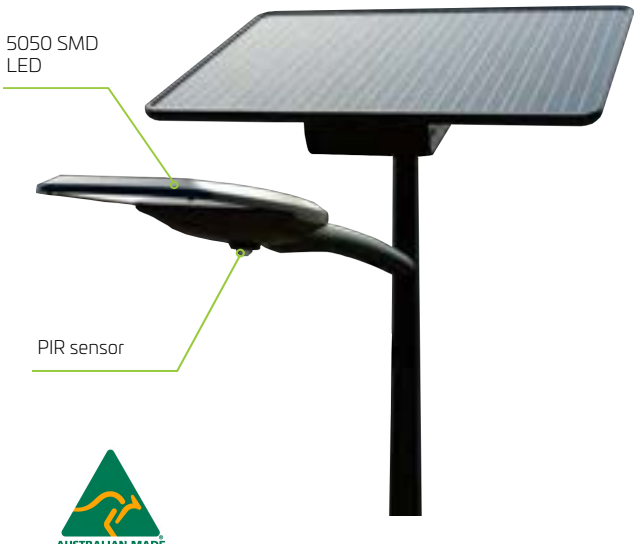

Applications

Path and cycleways | Car parks | Private roads

Technical Data

Solar Panel Wattage	**36V + 110W to 220W***
LED Output	**30w** (single or twin light head)
Lumen Output	**Up to 5190 lm** (per light head)
Battery Type	**LiFePO4**
Battery Specs	**25.6V 18AH (460.8 Wh)** (up to 4)*
Autonomy	**>15 nights setting dependent**
Correlated Colour Temp (CCT)	**5000K**
Light Source	**5050 SMD LED**
Recharge	**Setting dependent**
Mounting Height	**4 - 6 metres**
Mounting	**60mm Spigot**
Finish	**Powdercoated aluminium** (RAL9005)
Warranty Period	**25/10 years****
SKU	**SLDPRO30**

Premium 24V System

The primary benefits of a 36V solar panel and 24V battery system is their increased efficiency compared to 12V systems. Higher voltage systems allow for lower current, which reduces power losses in the wiring and makes the overall system more efficient.

Mode of Operation

Default program - The unit will operate at 30% output adjusting to 100% output when the PIR is activated, returning to 30% output when no movement is detected.

Custom Programming – Custom lighting programs to suit specific lighting requirements.

AUSTRALIAN MADE AND OWNED

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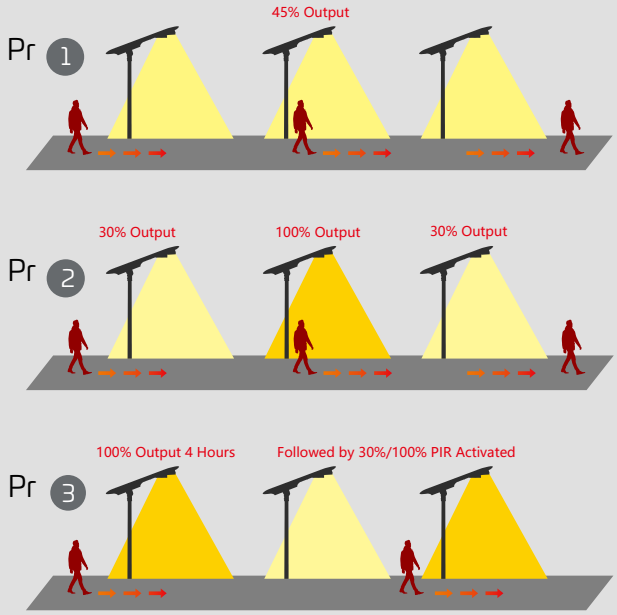
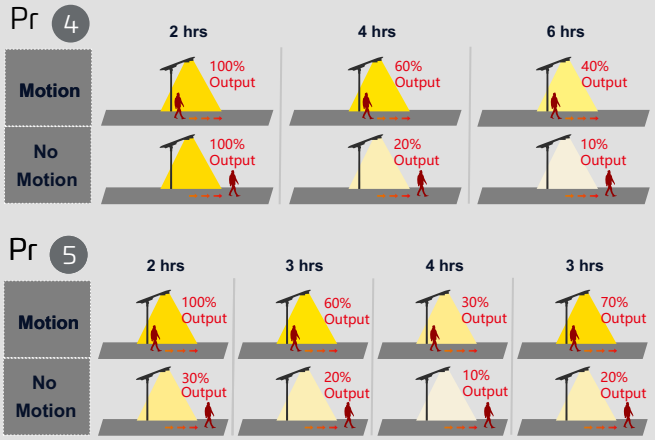
Preset Lighting Programs





All programmed options shown are auto ON at dusk and auto OFF at dawn

Pr 1 - Constant Lighting Mode: Fixed 45% constant output
Pr 2 - Motion Sensor Mode: 30%/100% PIR Activated
Pr 3 - Timed/Motion Sensor Mode: 100% for 4h then 30%/100% PIR Activated
Pr 4 -Time Mode (1): 3 stage timed/motion sensor
Pr 5 - Time Mode (2): 4 stage timed/motion sensor

Custom lighting programs available on request

Available Modular Options

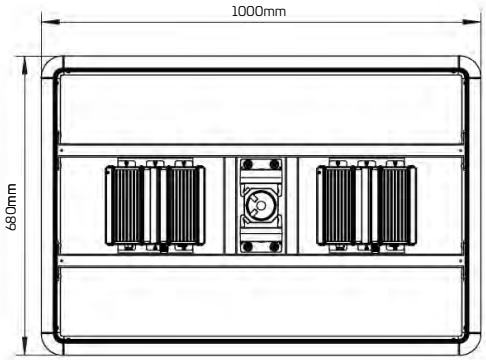
- Single Light Head
- Single Panel
- 1-2 Batteries

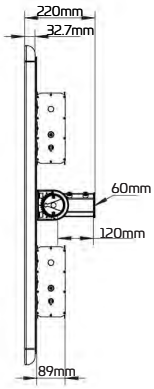
- Single Light Head
- Dual Panels
- 1-4 Batteries

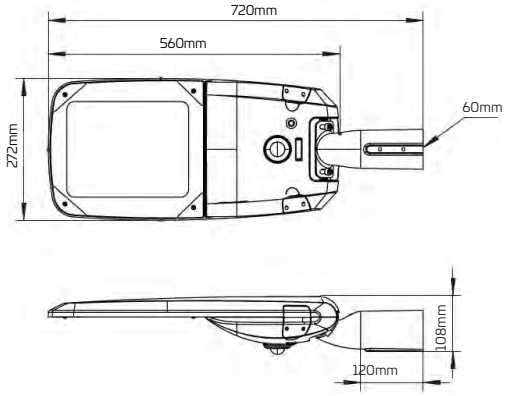
- Dual Light Head
- Single Panel
- 1-2 Batteries

- Dual Light Head
- Dual Panels
- 1-4 Batteries

The modular combination of batteries, solar panels, and LED light fittings allows for a wider range of site-specific programming options. This "modular", site specific approach to solar lighting ensures the system will operate as designed and specified. Outputs from 10w to 60w in either single or twin light heads are available. Constant output dusk to dawn, motion detected PIR sensor activated, or custom programmed lighting are available options.







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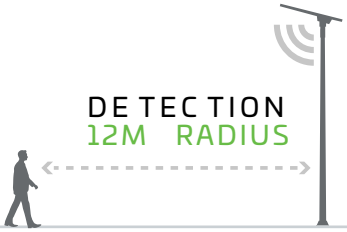
ORIENTATE & SELECT THE SOLAR PANEL & LIGHT HEAD ANGLE

The SLD Modular PRO series is supplied with a well-designed and manufactured adjustable support bracket that is easily installed to the lighting column.

The bracket allows for 360° rotation of the panel and the light head, as well as 60° panel angle adjustment ensuring maximum photovoltaic conversion.

PIR MOTION SENSOR

The P.I.R. (Passive infrared) sensor is activated by movement, reducing light pollution and acting as an energy saving feature.



OPTIONAL

REMOTE MONITORING SLD GATEWAY

As part of our continuous effort for to offer the most innovative products Solar Lighting Designs have developed an IOT based remote monitoring and control platform of our solar streetlights. The SLD Network Gateway uses low frequency technology to monitor and control, in real time, individual or groups of solar streetlights.

- 4G Internet
- Secure connection
- Long range communication 3 km from network gateway
- Low consumption < 1W

IOT READY

SLD Communication Technology

GLOBAL MANAGEMENT

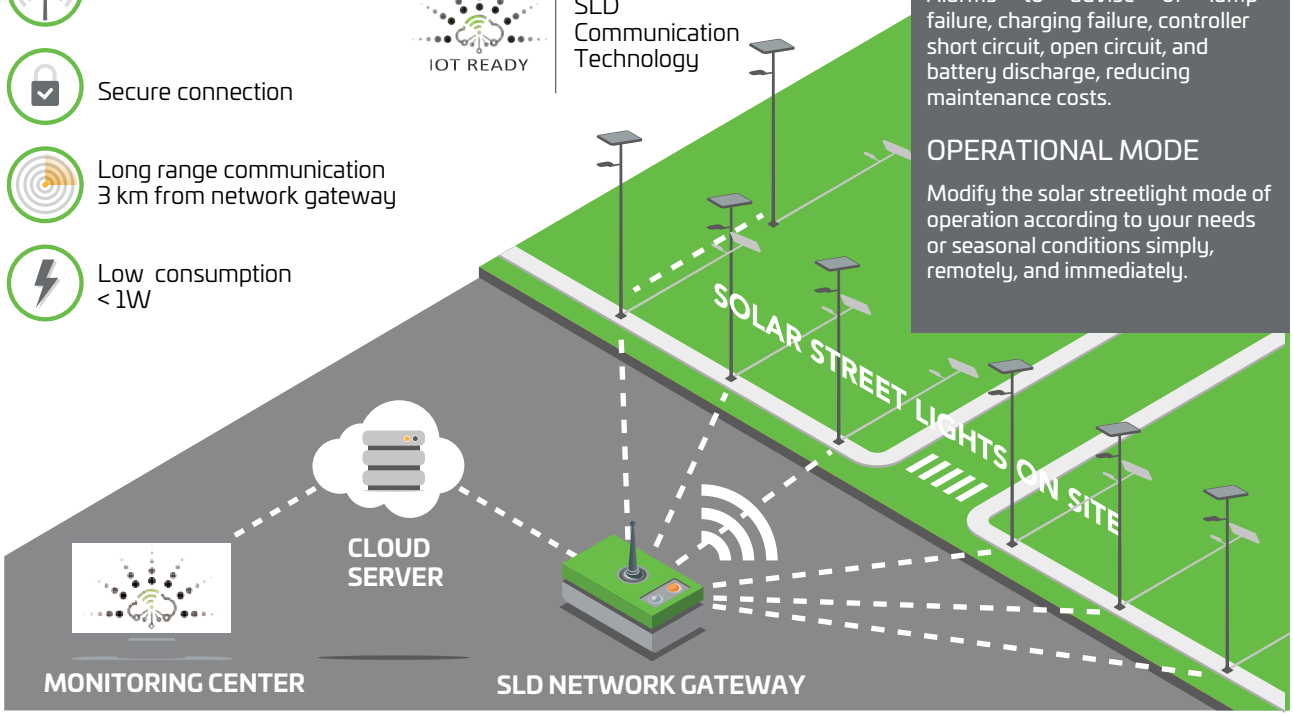
Run diagnosis and control remotely from a monitoring centre providing real time data on all connected solar streetlights from one screen.

FAULT ALARM

Alarms to advise of lamp failure, charging failure, controller short circuit, open circuit, and battery discharge, reducing maintenance costs.

OPERATIONAL MODE

Modify the solar streetlight mode of operation according to your needs or seasonal conditions simply, remotely, and immediately.



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