



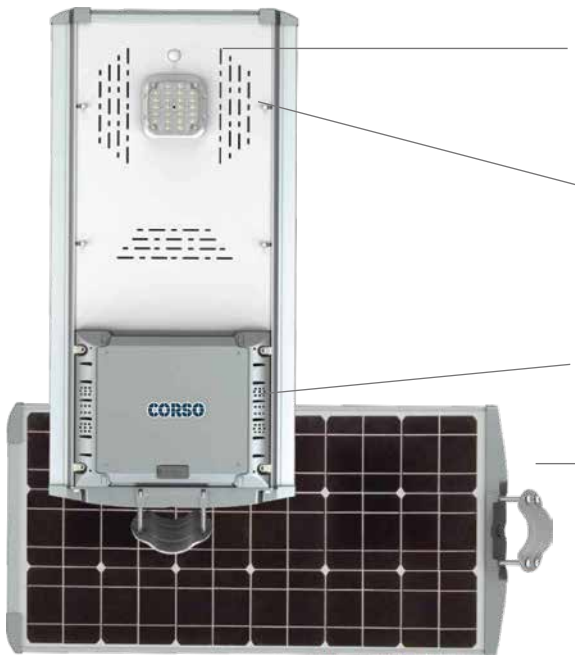
CORSO - the original all-in-one solar LED pathlight

Now smarter, brighter, and operates longer.

- More powerful solar panel - now 35W
- More lithium ion battery capacity - now 192Wh
- More light output - now 10W @ 130 lm/W

Corso All-in-one

Self-contained unit simply bolts onto 4-5m pole.
The solar panel faces north for optimal charging.



Infrared motion sensor. The output rises to full brightness before dropping to dim mode again. This is to conserve battery power to maximise operating hours.

LED light. High-output Cree LED chips producing 130 lumens per watt. The chips are protected by a solid polycarbonate lens.



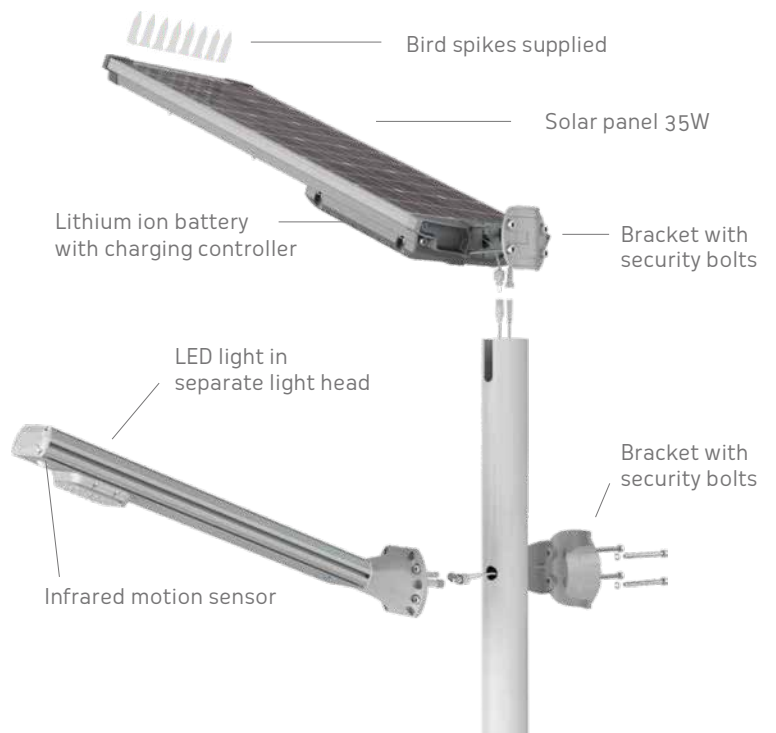
Lithium battery pack with control module to manage the charging and light output system.

Solar panel 35W - high efficiency monocrystalline module with 3.2mm tempered glass lamination for excellent durability and load resistance.

Bracket & stainless steel security bolts for easy installation. Simply bolt the fitting onto the top of a pole of 75-90mm diameter. The robust fitting is built to withstand wind gusts up to 130mph.

Corso SPLIT

Separate light head directs light exactly where it is needed, while the panel still faces the sun.

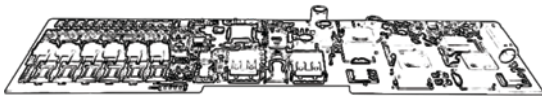


Program controller & lithium battery module



Controller module

Manages charge into and out of Lithium batteries. Controller is pre-programmed prior to delivery.



Lithium batteries -

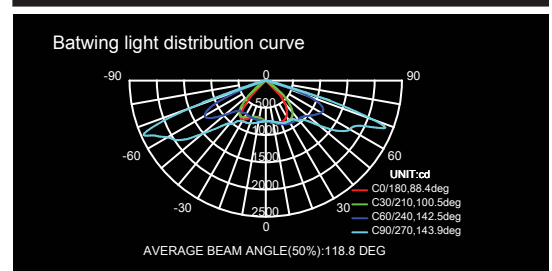
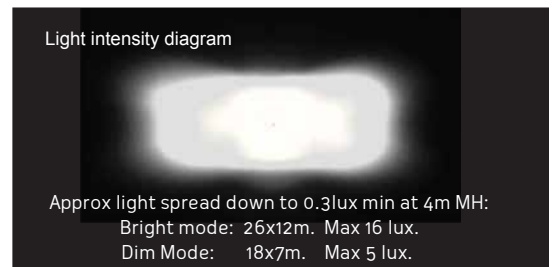
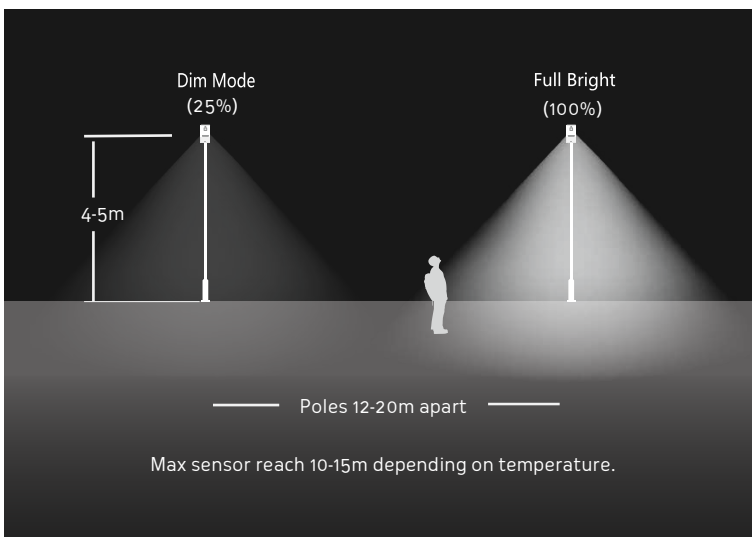
Energy efficient Lithium Iron Phosphate batteries with long 6 years service life. Replaceable.

PIR Motion detection

The built-in motion sensor automatically regulates light output from full bright to dim mode (25%) to increase battery autonomy, and therefore, to extend operating time.

Photometrics

High output Cree 130 lumens/Watt chips produce 1200 lumens from 10W light. The batwing light distribution is ideal for the majority of applications.



THE WORLD'S MOST INTELLIGENT SOLAR LED LIGHT

- No wiring or running costs. Simply bolts onto a pole.
- Ideal when 240V wiring is not the preferred option.
- Sensor dims the light output to conserve battery power, then brightens when motion is detected.
- Intelligent control module manages battery charging and determines light output.

Battery autonomy & operating time

Operating times without a charge depend on hours of sunlight and the number of sensor activations which affects the number of hours the fitting runs in full bright mode.

For example, one full charge provides:

Normal program: 43 hours - based on 2 hrs bright and 12 hrs dim mode per night (ave output 4W).

100% bright mode: 17 hours (output 10W).

100% dim mode: 57 hours in dim mode (output 3W).

Typical input and output balance

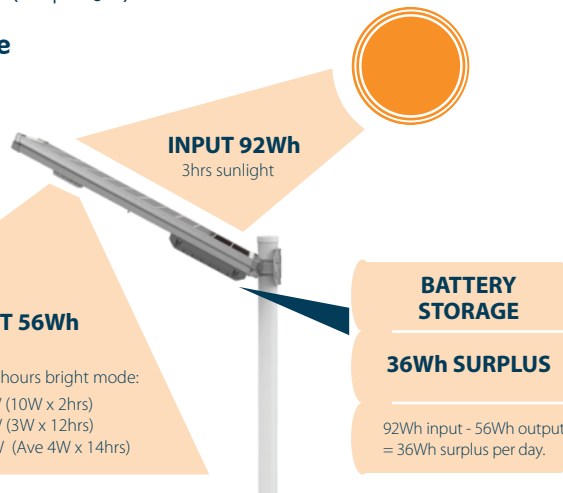
Typically, 3 hours exposure to sunlight inputs 92Wh into the battery.

Daily output over 14 hours may typically be 2 hours in bright mode @ 10W, plus 12 hours in dim mode @ 3W.

The average output over 14 hours is therefore 4W per hour, or 56Wh.

The surplus of 36Wh is stored in the battery to serve as a buffer for the future.

14 hour night, assumes 2 hours bright mode:
 2hrs bright mode = 20W (10W x 2hrs)
 12hrs dim mode = 36W (3W x 12hrs)
 Total output/day = 56W (Ave 4W x 14hrs)



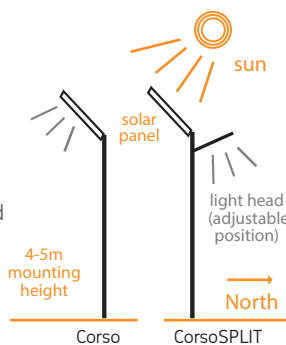
Applications

Any area where wiring is not economical or practical.

For increased safety and security in remote areas, entry and exit gates, gantries, pontoons and wharves, pump stations, camps, amenities areas, perimeter lighting, storage areas, muster points, carparks, roads, laneways and paths.

Very simple to install

- Position at top of 4-5m pole to avoid shadows over the panel.
- Avoid shaded locations.
- Orientate panel towards North - the position of the sun at midday to maximise sun exposure.
- Follow the instructions in the user manual.
- Tighten security bolts provided with tool supplied
- Face solar panel as much towards the north as possible to maximise sun exposure and therefore the battery charge.
- Orientate light head towards area to be lit (CorsoSPLIT only).



NB: POLE DIAMETER MUST BE BETWEEN 75-90MM. USING ANY OTHER SIZE POLE MAY VOID THE WARRANTY. POLE NOT INCLUDED.



Technical parameters

Solar module	35W
Battery	Lithium LiFePO4. 12.8V. 15Ah. 192Wh capacity
LED lamp	10W LED (15W option for northern Australia)
LED Chips, Output	Cree LED Chips, 130 lm/W
Beam angle	T2M Type Batwing distribution, 140° x 70°
Colour temp	5000K
Flux	1200 lm bright mode. 380 lm dim mode
Max lux at 4m	16 lux bright mode. 5 lux dim mode.
Approx distribution (to 0.3lux)	26x12m bright mode. 18x7m dim mode.
Min operating time	17 hrs in 100% bright mode. 57hrs in dim mode
Install height	3 to 5 metres. 4m optimum.
Max sensor reach	10-15 metres
Rec pole spacing	Poles 12-20m apart
IP rating	IP65
Operating temp	Charge: 0 to +60°C. Discharge: -20 to +60°C
Weight & Dimensions	8.5kg; 600L x 426 W x 94mm D exc bracket
Pole specification	75-90mm diam; 4-5m high (POLE NOT INCLUDED)
Max storage time	6 months (or battery damage may occur)
Warranty	3yrs on all components.
Product Code	SNCORSO35 SNCORSOSPLIT35