

Zorro Unplugged

OFF THE GRID Zero energy cost

Compact unit with high efficiency solar panels

Distributed by:
Reduction Revolution Pty Ltd www.reductionrevolution.com.au

Easy to install & Smart Controls for extended operation hours



enLighten

PRODUCT RANGE

Model #	Lumen Output (lm)	Dimensions (mm)	Weight (kg)
SSL08-4K-TIII-GRY	1520	518 x 290 x 81	5.3
SSL20-4K-TIII-GRY	3800	680 x 420 x 94	9.8
SSL30-4K-TIII-GRY	5700	918 x 420 x 94	13.5

The Zorro Unplugged is an ALL-IN-ONE luminaire design that has an integrated solar panel, LED array, microwave sensor and battery all within one standalone system.

This light generates energy and stores it in a high quality battery that delivers light using LUMILEDS LEDs. The smart control system enables you to customise the lighting operation through sensor and/or time control.

The Zorro Unplugged is a convenient and cost-effective solution to improve visibility and safety in areas that traditionally have been difficult to light because power is not available.

Ideal for pathways, outdoor car parks, mine sites, foreshore areas, university and school campuses, caravan parks and temporary construction sites.

CONTRACTOR BENEFITS

- **Fully integrated luminaire** with solar panel & battery avoids the complexity of assembling third party components on site
- **Remote control** to set the lighting levels at scheduled times
- **Lightning surge protection** - 6KA
- **IP65** - Ingress protection

CLIENT BENEFITS

- **Zero energy bill** from solar powered street light
- **Adjustable independent LED lamp** angle to achieve the optimal light distribution without affecting solar harvesting
- **Industry leading performance** with >190 lm/W luminaire efficacy
- **Reduced installation cost** as no cabling required
- **Expected lifespan** of high quality Lumileds LED >72,000 hours
- **Smart controls** - Integrated microwave motion sensor and intelligent time control
- **Long lifespan** of Lithium Iron Phosphate battery
- **Quality monocrystalline silicon solar panel**
- **5 year product warranty** (3 year battery warranty)

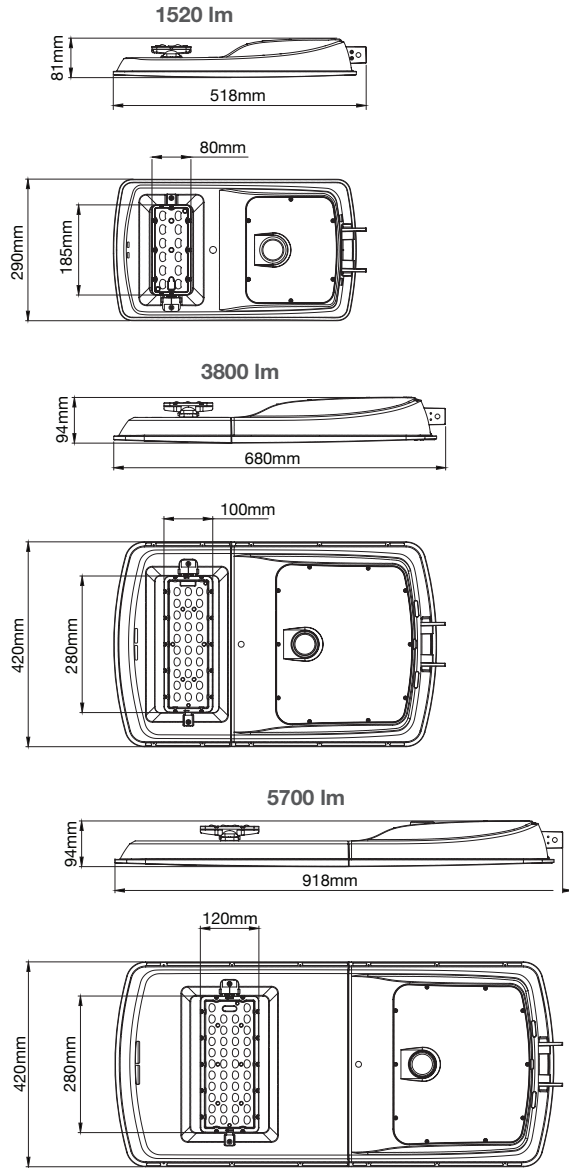
APPLICATIONS



FEATURES



DIMENSIONS



TECHNICAL INFORMATION

Optical	
Light source	Lumileds LED
Lumen output	1520 - 5700 lumens
CRI	Ra>70
CCT	4000K
Luminaire efficacy	>190 lm/W
Beam angle	IES Type III
Electrical	
Power consumption	8W, 20W & 30W
Solar panel power generation	17W, 36W & 52W
Battery rating	9Ah, 19.2Ah & 30Ah; 12.8V LiFePO4
Battery lifespan	2000 cycles
Operating hours	Up to 36 hrs in dim mode
Battery charging time	7 hrs (full sun)

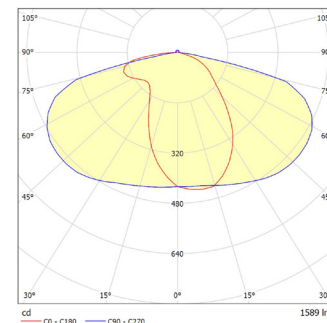
Environmental	
IP rating	IP65
Impact rating	IK08 (optical Lens)
Weight	5.3 -13.5 kg
Ambient temperature range	-20°C to +60°C
Material Composition (body)	Die cast aluminium
Material Composition (solar panel)	Monocrystalline silicon
Material Composition (lens)	Polycarbonate
Expected Lifespan	>72,000 hours @ L70

Controls	
Control options	Integrated microwave motion sensor & time options
Microwave motion sensor detection range	5m

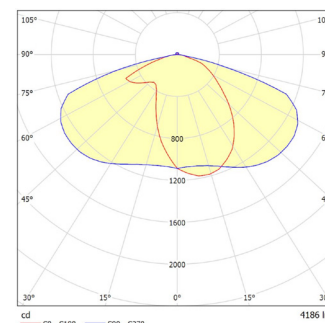
Accessories	
Mounting Options	Swivel mount (standard), Round/Square hoop bracket
Warranty*	5 years / 3 years battery

Data subject to change without notice
* Refer to warranty policy

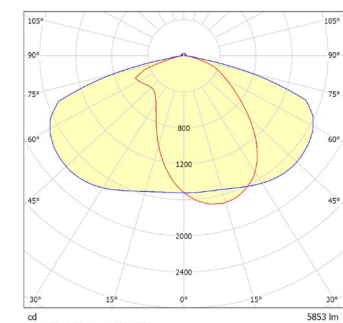
PHOTOMETRICS



1520 lm



3800 lm

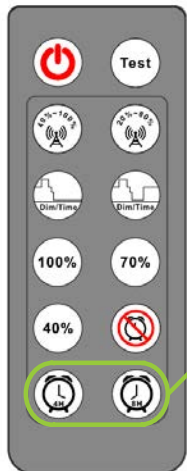


5700 lm

SMART CONTROLS

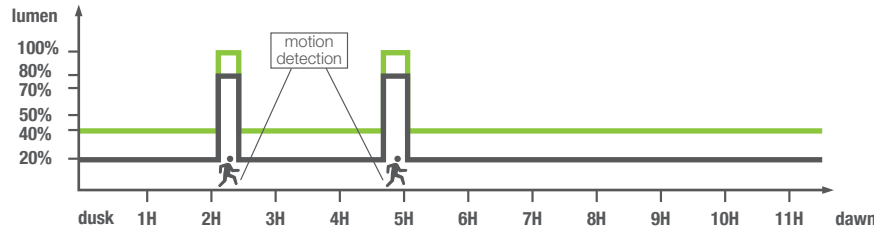
• **Integrated microwave motion sensor** triggers automatic switching between full and standby light output, which is ideal for pedestrian walkways. This is the preferred setting as it enables battery storage to be extended across several days to allow for low charging (cloudy) days.

• **Remote control** is used to set the lighting levels at scheduled times after sunset using the time intelligent mode. Full night, part night and dimming options available.



New after sunset timer setting for 4hrs or 8hrs.

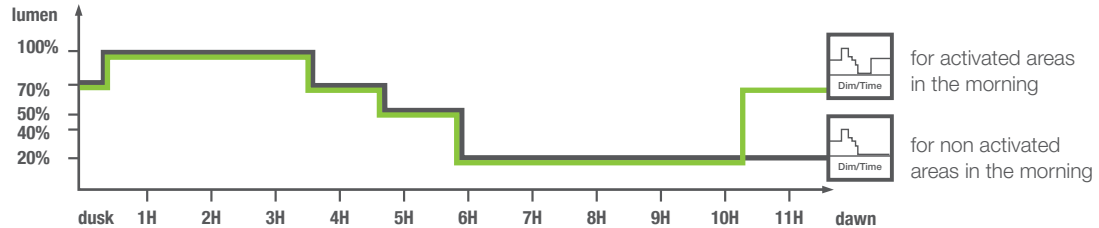
1. INTEGRATED MICROWAVE MOTION SENSOR MODE



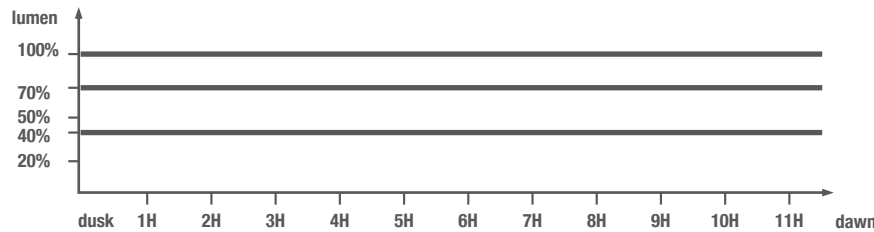
LIGHTING LEVELS ON REMOTE

- 40% light level all night setting
- 100% light level for 2 mins after last movement is detected**
- 20% light level all night setting
- 80% light level for 2 mins after last movement is detected**

2. PRE PROGRAMMED TIME & INTELLIGENT MODE



3. PREPROGRAMMED CONSTANT LIGHT LEVELS*



*Maintaining constant light levels at 100% throughout the night is only possible if the battery is fully charged. Full charging to the battery is unlikely on cloudy days or non summer periods.

SEASONAL LIGHT SETTINGS

Setting*	Application	Winter**	Spring, Summer, Autumn
20 - 80% sensor	Pathways, car parks, campgrounds	✓	✓
40 - 100% sensor	Pathways, car parks, campgrounds	Operates all night when the sensor is triggered less than 70 times per night	✓
Time intelligent mode	Most activity is during the first few hours of the evening	✓	✓
Time intelligent mode (morning)	Most activity is during the first few hours of the evening and again early morning	The light might not operate in the early hours of the morning	✓
Constant 100%	Constant light is required	4hr of light	4hr/8hr timer recommended
Constant 70%	Constant light is required	9hrs of light	✓
Constant 40%	Constant light is required	✓	✓

* Refer to datasheet/installation instructions for details. **Applies for installations where solar panel faces North. East or West facing installations can reduce battery charging by to 30% in Winter.



OUR MOUNTING

Swivel mount

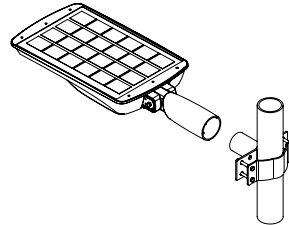
The Zorro Unplugged comes with a standard swivel mount, which is versatile and structurally strong. This system allows you to slip the end socket onto a $\varnothing 45 - \varnothing 60$ mm round pole and undertake full adjustments.



ACCESSORIES

Trunnion mount

The optional trunnion mount gives total flexibility for mounting. It can easily mount onto $\varnothing 50 - \varnothing 120$ mm round pole (**Model # SSL-TRRD**) or square pole 50-100mm wide (**Model # SSL-TRSQ**).



Anti perching bird spike

The anti perching spikes will protect against 'fouling' and help maintain the efficiency of the solar panel. The galvanized steel bird spikes are mounted at the highest point on the light fitting. This ensures that birds are not able to perch on the top of the solar panel and depreciate the solar efficiency. **Model # SSL-SPIKE**



COMMERCIAL GRADE POLES

We can provide indicative pricing and technical data to support the mounting of these lights on commercial grade poles. We can also refer you to pole manufacturers that can provide additional technical and sales support.

BATTERY

The Lithium Iron Phosphate (LiFePO4) battery has an ultra-long lifespan and deep discharge protection.

COMPLIANCE

The Zorro Unplugged meets or exceeds all relevant standards and regulatory requirements.

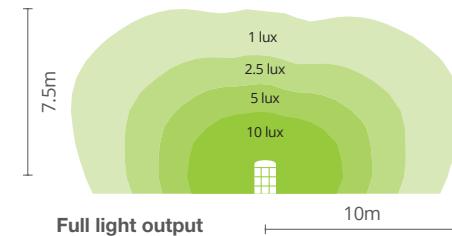
For a full compliance and testing list visit www.enlighten.com.au. IES files, warranty, installation and product guides are also available for download.

Sold nationally through major electrical wholesalers.

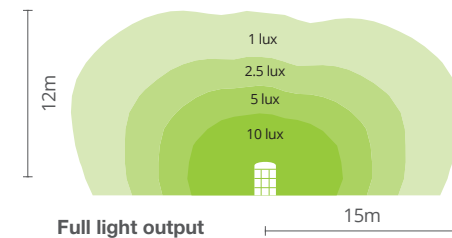


WHAT AREA COVERAGE IS SUITABLE FOR YOUR PROJECT?

SSL08-4K-TIII (On a 4m pole)



SSL20-4K-TIII (On a 5m pole)



SSL30-4K-TIII (On a 7m pole)

