

# GFS-200

## SOLAR STREET LIGHT



DESIGNED IN AUSTRALIA



**30-60**  
WATTS

**6**  
METRE

### AUSTRALIAN R&D | DURABLE CONSTRUCTION | EASY DIY INSTALL

GFS-200 solar street lights are the most reliable, robust, virtually unbreakable solar light available anywhere in the world. This light is consistently selected by Government and industry across Australia due to its robust design and build quality.



SOLAR LIGHTING INNOVATION

Solar Security Limited Landline: +64 (0) 9 529 2222



# GFS-200

## SOLAR STREET LIGHT

**GFS-200 SOLAR STREET LIGHTS ARE THE MOST RELIABLE, ROBUST, VIRTUALLY UNBREAKABLE SOLAR LIGHT ON THE MARKET ANYWHERE.**

Suitable for remote outback Australia all the way to inner city suburbia, the GFS-200 is perfect for all kinds of applications where reliability and performance are critical.



**► PROJECT PLANNING & CERTIFICATION SERVICES AVAILABLE TO ENSURE FULL AS1158 COMPLIANCE**

### GENERAL INFORMATION

30W and 60W Solar Street Light.  
Zero Maintenance System.  
DIY Installation - Low Voltage 24VDC system.

### VANDAL RESISTANCE

LED High strength polycarbonate + aluminium.  
Solar Panel - Impact resistant solar panel with stone guard.  
Battery Storage - 10mm plate steel with recessed security screws.  
Advanced LED compensation technology - Compensates for broken LED chips if damaged by impact.

### STEEL WORK AND WEATHER RESISTANCE

IP-65 with complete unit able to withstand full immersion from floods and still operate.  
IP-68 waterproof connectors.  
Fully galvanised 3-16mm thick steel, re-enforced metalwork with stainless fixings.  
Ideal in high winds and cyclone rated areas.  
Underground cage footings as part of kit to Australian standards.  
All nuts, bolts washers, serial number plate, installation manual & security key are supplied in a durable transport kit.

### SOLAR PERFORMANCE

205W Monocrystalline with toughened glass and reinforced frame, tuned for optimum low light and winter performance  
Prewired and assembled in transport box for easy installation.

### BATTERY AND CHARGING SYSTEM

Advanced charging system measures ambient and battery temperature and varies the charge current, increasing battery life expectancy by up to 4X even in desert or tropical environments.  
Over discharge, short circuit, reverse polarity protection.  
2 x Sealed high quality GEL AGM 75Ah batteries (150Ah) with water-proof connectors. (\*7-10 years expected life).

### PERFORMANCE

Dusk till dawn automatic operation with 5-6 days. battery backup (30W unit).  
Designed to charge in overcast / rainy locations.  
Up to 14 hour a night operation in most weather conditions.  
Proven performance in tropical, desert, beachfront and wet locations.

### LED (30W AND 60W VERSIONS)

28 x CREE USA made LED in 2 x 14 banks.  
Maximum Efficacy 30W-5610lm 60W-11200lm.  
Light Efficiency <187lm/W.  
Quick release waterproof IP-68 connector (no wiring required).  
Roadway, floodlight or combination lenses available.  
Easily Adjustable LED angle to adjust light throw direction.  
Inbuilt LED driver in base of pole.

## CERTIFICATIONS

AS1158.3.1 P1-P12, AS60598  
Australian Certified LED  
AS1214,  
IEC61347,AS60598,AS1170,  
AS4600, AS4680,AS3600,  
AS4671  
Location specific AS1158.3.1  
certifications available.

## OVERALL DIMENSIONS

Total height 6.0M.  
LED height 5.4M on 1.2M  
outrigger.  
Hole dimensions 650mm x  
1100mm.

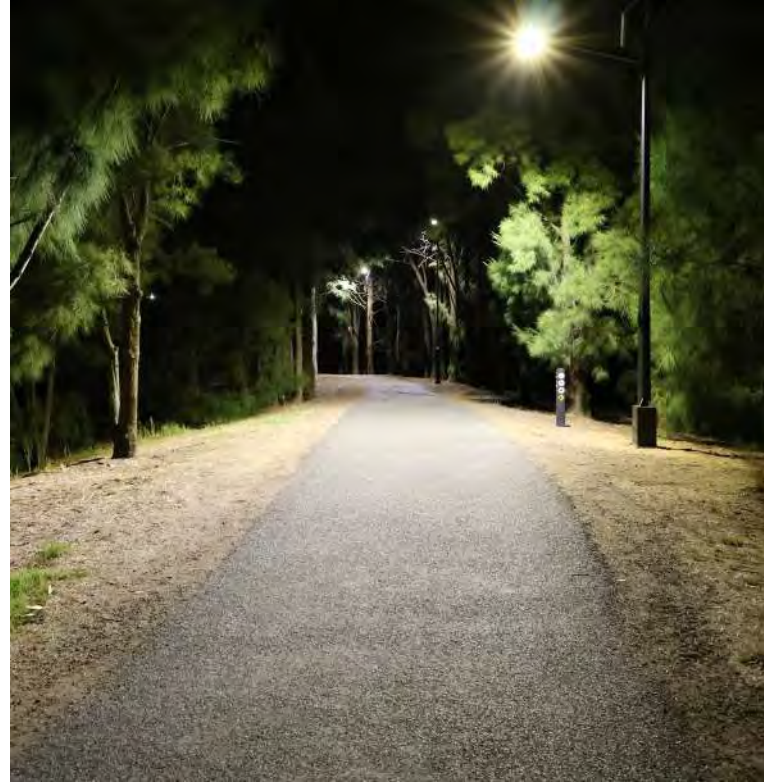
## PROGRAM OPTIONS

Standard - Dusk till Dawn  
Auto ON / OFF.  
full brightness (30W only).  
Programmable ON / OFF

1-14 hours.  
+ 5-100% dimming  
1-4 hours before Dusk ON  
auto sensing.  
5-100% dimming in any  
program modes.  
Many other program options  
available.

## OPTIONS

- Stone Guard - LED  
Medium / Heavy duty
- Powder Coating
- Twin Head LED
- Anti Climbing Spikes
- Remote Camera WIFI, 3G,
- Remote Monitoring
- Remote ON / OFF DIM
- PIR Motion Sensing
- Hand Programmer
- Banner Supports
- Custom Configurations



OVERALL HEIGHT - 6.0M  
LED HEIGHT FROM GROUND LEVEL - 5.4M



**ROPER GULF REGIONAL COUNCIL  
NORTHERN TERRITORY**

## COMMENTS FROM THE DIRECTOR OF CORPORATE GOVERNANCE

‘Our feedback is that people are happy, feel safer and are really grateful.’

“As well as running with no ongoing power costs, a major benefit of the solar-powered fixtures is that they don’t need to be installed by a qualified electrician. This means the council can include the local indigenous community in the construction process”.



# GFS-200 FEATURES

Impact resistant monocrystalline panel with reinforced frame and integrated stone guard.

Impact resistant high output LED with adjustable angle head and lens options on 1.2m outrigger.

Robust cyclone and flood rated construction available in custom colours upon request.

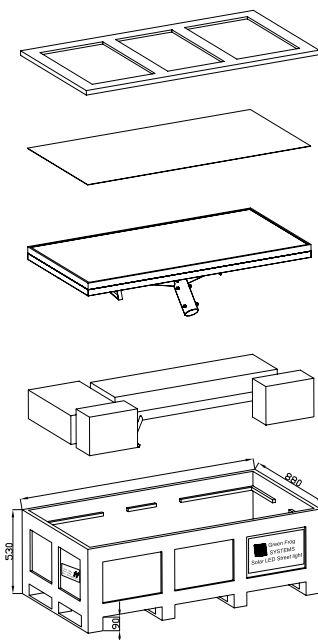
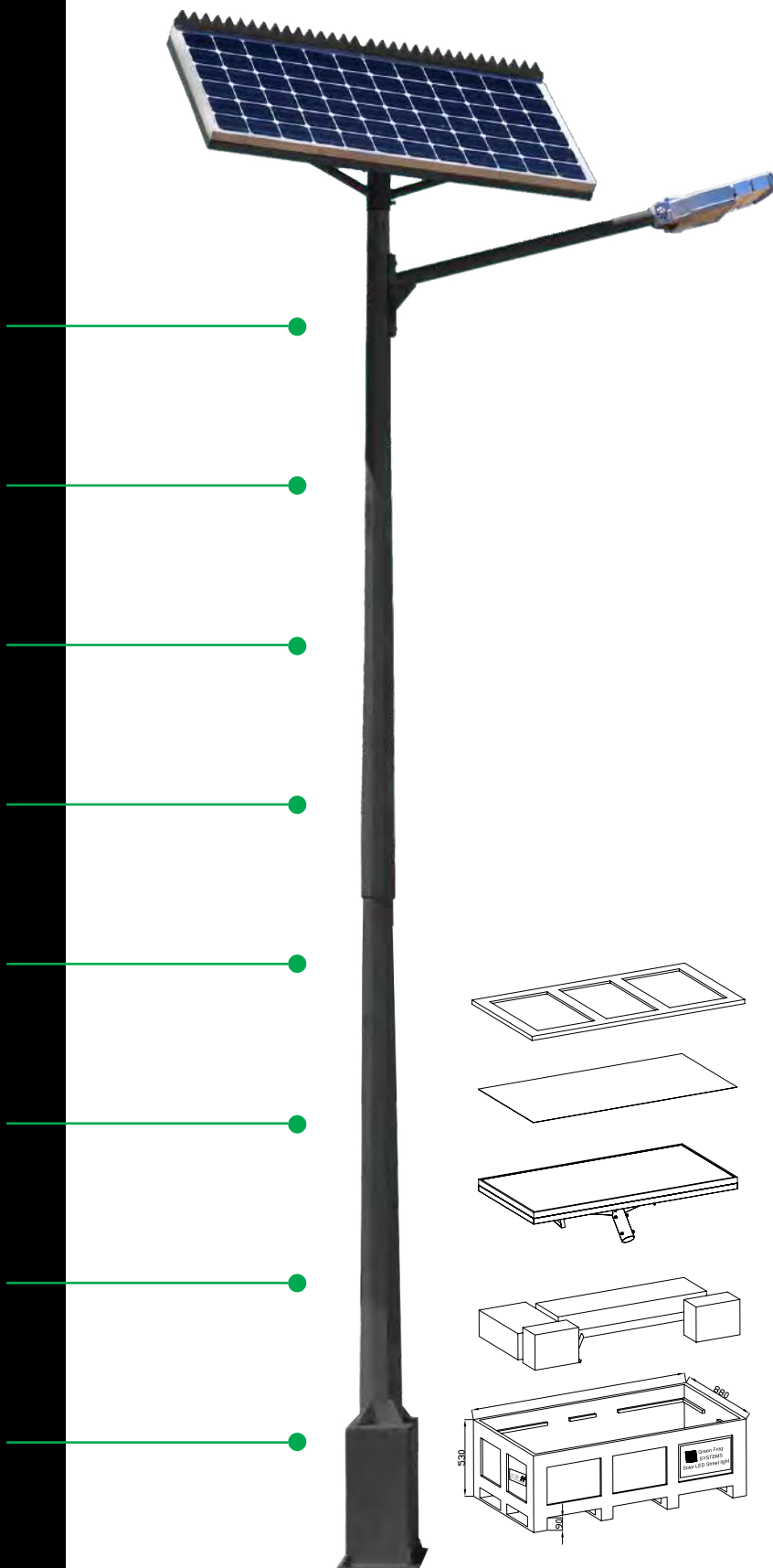
IP-68 Flood resistant connections with sealed batteries made for the harshest environments.

Heavy duty 3mm slide tapered galvanised pole for easy install at multiple angles.

Secure above ground battery box with vandal resistant fully sealed tamper proof access panel.

Twin sealed AGM gel batteries in above ground box for easier access to maintenance panel.

Fully galvanised underground rag-bolt assembly for easy secure installation.



OVERALL HEIGHT : 6.0m  
LED HEIGHT : 5.4m



**SIMPLE KIT FORM**



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