GFS-400 SOLAR STREET LIGHT



DESIGNED IN AUSTRALIA



AUSTRALIAN R&D DURABLE CONSTRUCTION EASY DIVINSTALL

The GFS-400 unit is designed for perimeters, car parks and intersections giving large light level output. Its ability to run all night at full power makes it ideal for black spot intersections and carparks where high levels of light are required for security or safety reasons.

TECHNICAL INFORMATION

GFS-400 solar street light

GFS-400 SOLAR STREET LIGHTS CAN RUN ALL NIGHT AT FULL POWER MAKING THEM IDEAL FOR PERIMETER LIGHTING, INTERSECTIONS AND CARPARKS WHERE HIGH LEVELS OF LIGHT ARE REQUIRED FOR SECURITY AND SAFETY.



PROJECT PLANNING & CERTIFICATION SERVICES AVAILABLE TO ENSURE FULL AS1158 COMPLIANCE

GENERAL INFORMATION

60W-100W Solar Street Light. Zero Maintenance System. DIY Installation – Low Voltage 24VDC system.

VANDAL RESISTANT

LED - High strength poly carbonate + aluminium. Solar Panel - 410W Impact resistant solar panel. Battery Storage - 10mm plate steel with recessed security screws. Advanced LED compensation technology (Compensates for broken LED chips if damaged by impact.

STEEL WORK & 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.

Underground cage footings and certified cage as part of kit to Australian standards.

All nuts, bolts washers, serial number plate, installation manual & security key are supplied in durable transport box.

SOLAR PERFORMANCE

 $2 \times 205W$ (410W capacity) 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 & 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 120Ah batteries (240AH total) with waterproof connectors (*7-10 years expected life).

PERFORMANCE

Dusk till dawn automatic operation with 5-6 days battery backup (60W unit).

Designed to charge in overcast / rainy locations. Up to 14 hour a night operation in most weather conditions. Proven performance in tropical, desert, beach front and wet locations.

LED (60W-100W)

42 x CREE USA made LED in 3 x 14 banks.

Maximum efficacy 60W 11,220 / 75W 14,025 / 100W 18,700Led efficiency >187Im/w.

Quick release waterproof IP-68 connector (no wiring required). Roadway , floodlight or combination lenses available.

Adjustable LED angle adjusts light throw / spill light 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 Typical spacing 40-50m, P11, P11b, P11c, P12.

OVERALL DIMENSIONS

Total height 9.13M. LED height 8.5M on 1.2M outrigger. Required hole dimensions 800mm x 1500mm.

PROGRAM OPTIONS

Standard - Dusk till dawn. Auto ON / OFF. 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

Full brightness (60W only).

OPTIONS

- Stone Guard LED Medium + Heavy duty
- Powder Coating

options available.

- Twin Head LED
- Anti Climbing Spikes
- Remote Camera WIFI, 3G,
- Remote Monitoring
- Remote ON / OFF DIM
- PIR Motion Sensing
- Hand ProgrammerBanner Supports
- Custom Design or
 - Modifications



Optional underground cage foundation support for clay or sandy locations





GFS-400 FEATURES

Impact resistant 60W - 100W LED with adjustable angle head / lens options and 1.2m outrigger.

Robust flood rated design. Cyclone rated / custom coloured versions available upon request.

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

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

Twin 205w Impact resistant monocrystalline solar panels with reinforced frame and bird deterant rail.

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

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





OVERALL HEIGHT : 9.0m LED HEIGHT : 8.4m



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