

SOLAR PATH LIGHTING

MOTION ACTIVATED SOLAR PATH LIGHT

GFS-STEALTH

If you're looking to make your communities and open spaces safer and more accessible for the public, this is the most powerful lighting weapon in your suburban armory. When design is also an important factor, the architectural design of the GFS-STEALTH® offers unprecedented sleekness. "So Stealth-like you'd never know it's a solar light"



**GREEN FROG
SYSTEMS**
SOLAR LIGHTING INNOVATION





The new GFS Stealth® has been identified as the most technically advanced and ultra-reliable commercial solar lighting product available on the market today. It has a stunning array of unique features and benefits, most notably it doesn't look like traditional solar product at all yet offers unparalleled illumination. It is without doubt the most architecturally designed solar light in the world and is now available in the USA.

This advanced, easy to install solar technology gives you unparalleled targeted lighting distribution to promote greater use of parks, recreational facilities and public spaces

Pathways • Parking Lots • Industrial • Commercial
Marinas & Piers • Suburban • Parks & Recreation
Camping Areas • Trailer Parks

ULTRA-RELIABLE • ROBUST • CLASS LEADING

GFS-STEALTH

2805 LUMEN OUTPUT

FEATURES

- 2805lm Powerful Light Output ✓
- Military Grade Solar Panel ✓
- Dual LED Driver ✓
- CREE LED Technology ✓
- Edgeless Frame Technology ✓
- 360° PIR Motion Sensor ✓
- Complete Unit IP-65 Protected ✓
- LiFePo4 Integrated Battery Pack ✓
- Intelligent Battery Management System (IBMS) ✓
- Maximum Power Point Tracking (MPPT) ✓

BENEFITS

- Power to Run All Night ✓
- Powerful Security Solution ✓
- More Light With Less Power ✓
- Ultra-sleek for Suburban Areas ✓
- Simple Installation No Electrician ✓
- Virtually Unbreakable ✓
- Long Life Cycle Battery ✓
- Precise Illumination ✓
- Unrivalled Output Regardless of Weather ✓
- Ultra-Reliable No Running Costs ✓
- Smart City Ready ✓
- Zero Maintenance System ✓

OPTIONS

- Wall Mount Bracket ✓
- Dual, Trio and Quad Formation ✓
- Security Camera ✓
- Smart City Integration ✓

APPROVED AGENT :

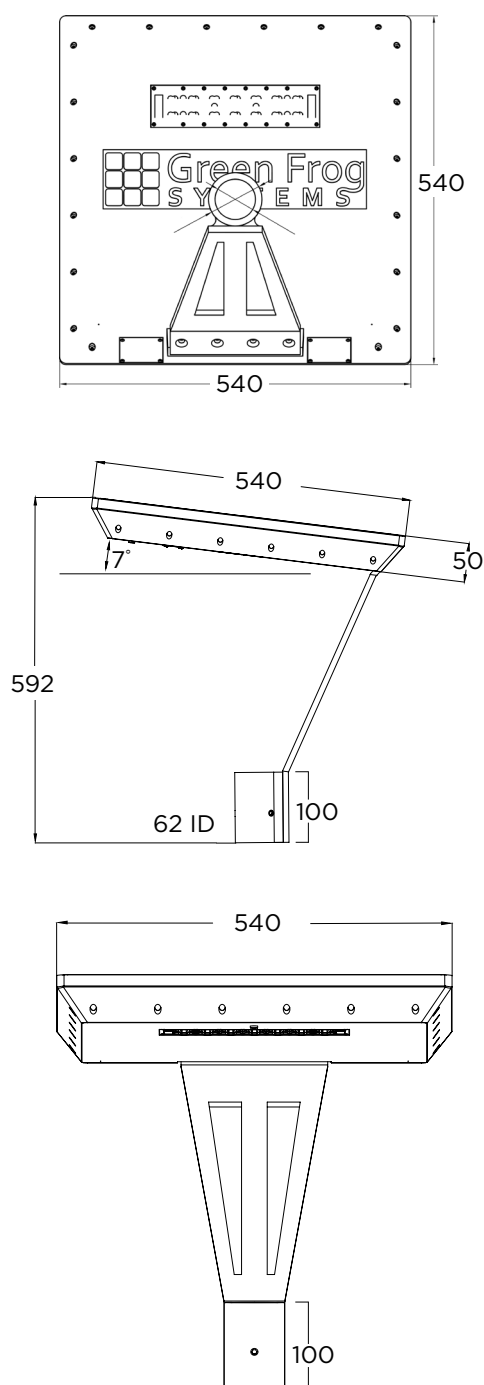
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GFS-STEALTH TECHNICAL DATA

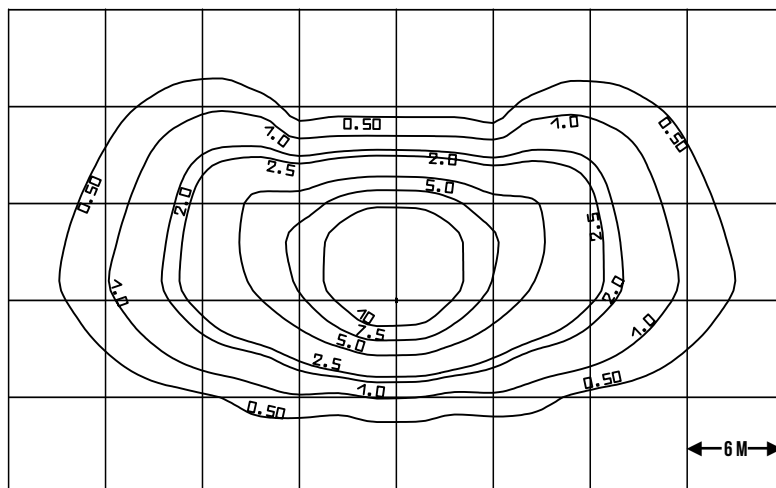


540	540	50	21.99	IP-65	IK-10	2805
Length (mm)	Width (mm)	Height (mm)	Weight (kg)	Ingress Protection	Impact Resistance	Lumen Output

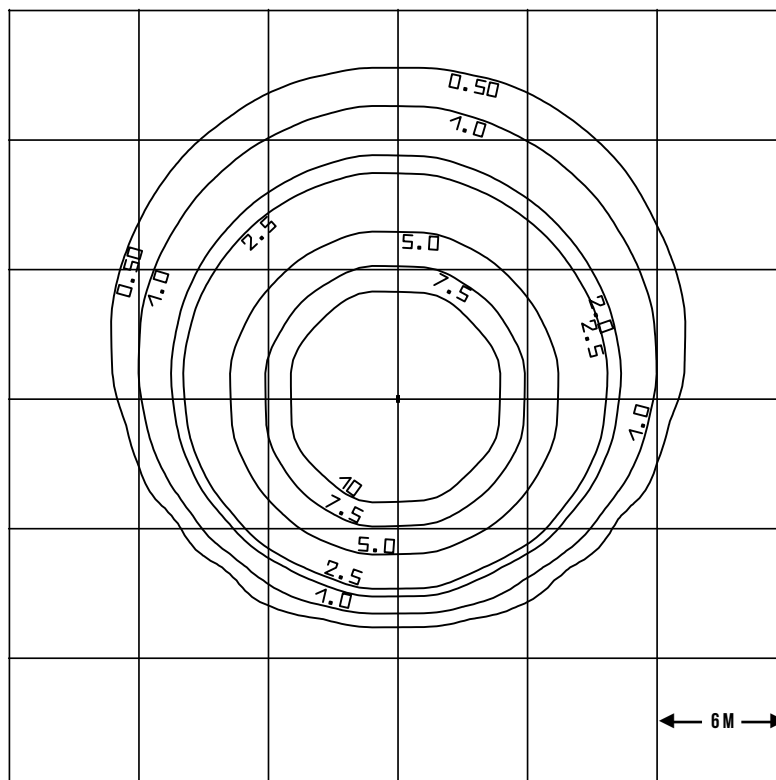


LUMINAIRE: 16.99 kg
POLE MOUNT BRACKET: 5 kg

Stealth Type 3 Lens 15W MH-6MTilt 7°



Stealth Type 5 Lens 15W MH-6M Tilt 7°



TECHNICAL DATA

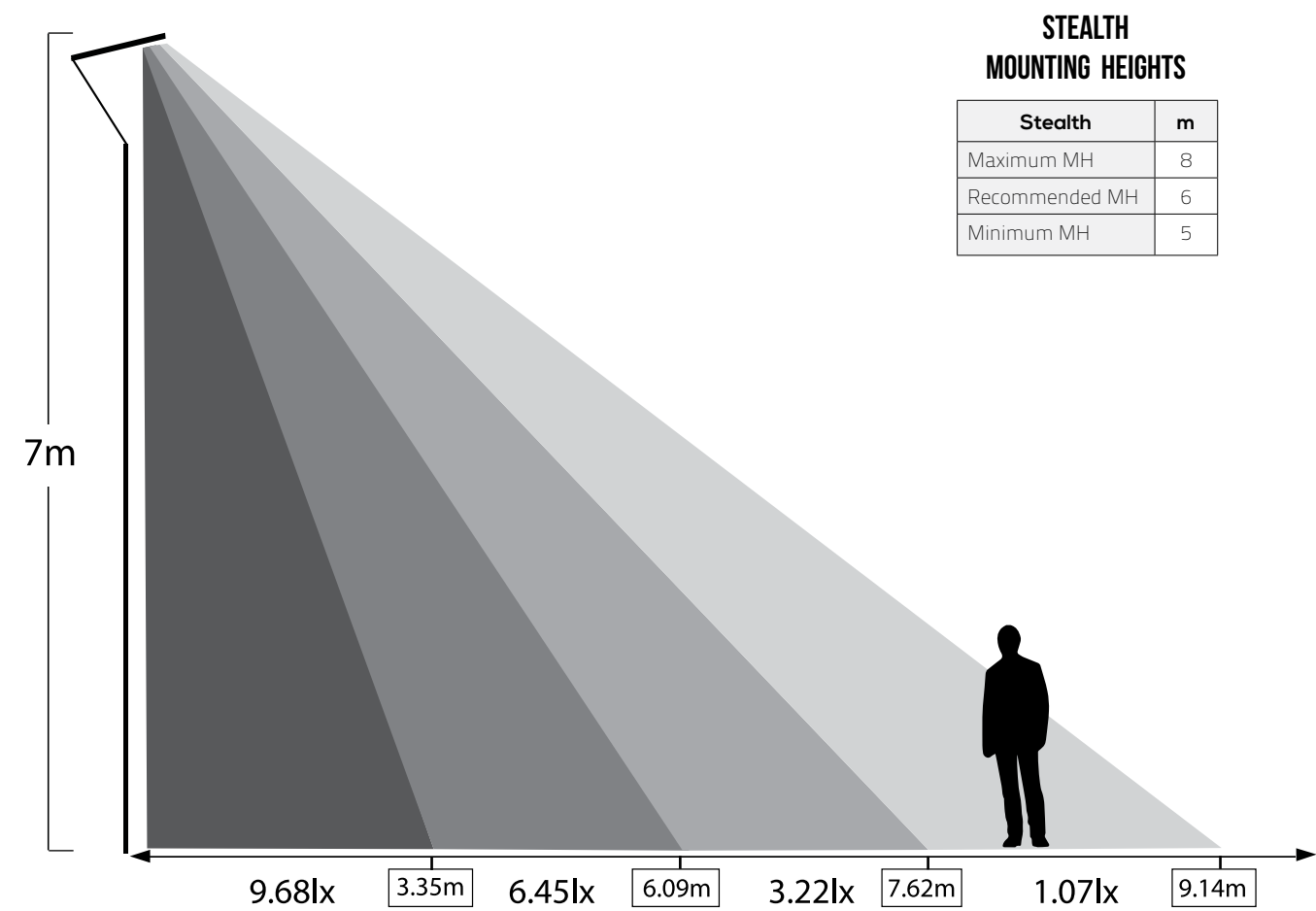
GFS-STEALTH SOLAR STREET / PATH LIGHT
Integrated solar light 50W N-Monocrystalline solar panel, Integrated 32Ah incorporating GFS-Advanced Cell Technology LiFePO4 battery, CREE 2805Lm LED, Motion sensor
OPERATION
Designed to give all night operation up to 14 hours per night in most weather conditions at 1402Lm****
MOUNTING HEIGHT
9metre maximum mounting height suggested mounting height 6metre
LED
14 x USA made CREE XP-G led configured in 2 x 7 LED arrangement
2805lm total output
Bank 1 - 7 x LED 1402lm all night mode
Bank 2 - 7 x LED 1402lm Motion sensor trigger for 30 seconds
4000K CCT, 70 CRI 187lm/w
Dual LED driver technology for ultimate reliability
LENS
Sophisticated, indestructible polycarbonate lens allows for precise evenly distributed directional
Meets International lighting standards, less poles required for significantly more illumination
Type 3 Pathway / roadway 135°85° (standard)
Type 5 Round Lens 110° (optional)
MOTION SENSOR
Advanced PIR Passive InfraRed with Repeat Trigger feature (stays on full power as long as heat source movement is detected)
Eliminates false triggering (trees, high winds and small rodents)
360° sensing range
6 metre detection range when mounted on a 6m Pole*
Vandal resistant design with optional PIR guard
SOLAR PANEL
USA made N-Monocrystalline cells Military Grade 24% class leading efficiency
50W Maximum Power output - Most compact rectangular 50W solar panel on the market today
Advanced edgeless frame design at 7° angle prevents buildup of dirt and bird fouling
Optimum power at any solar orientation due to advanced Cell and controller technology
BATTERY
GFS designed (ACT) -advanced Cell Technology next generation LiFePO4 battery system
12.8v 32AH (409.6Wh)
54 hours continuous light output in all night mode
4.5 days backup power**
Integrated IBMS (intelligent battery management system) featuring short circuit, overtemperature, over charge and overcurrent protection
Cell Balancing technology with temperature compensation

SMART CONTROLLER
Monitors all vitals of the unit, including LED, Solar, battery, temperature
Manual dimming potentiometer to give prolonged light output in shaded environments
MPPT Charging with 99% tracking efficiency
IOT Ready smart city***
Flexible on /off programs
Auto /On /OFF set as default (on at dusk, off at dawn)
Real time clock for precise on /off times
Ability to program turn on hours, before sunrise
Multiple on/off programs per night
RS485 interface with hand programmer
HOUSING + PAINT
IP65 fully sealed fitting
Heavy duty cast aluminum housing
Marine grade USA made Tiger Coating
Primer coat and 2 x top coat ensuring ultimate weather resistance
Stainless steel 316 and 304 grade fixtures
OPERATING TEMPERATURE
-20°C to 60°C
PRODUCT WEIGHT
21.55 kg
PACKING DIMENSIONS
620L x 620W x 170D (mm)
WARRANTY
5 year warranty*****
SAIL AREA
(Horizontal sail area calculation) 0.11m²
CERTIFICATIONS
Product and component certifications listed UL E349212 LED, UL1642 Battery, IEC62133CE/BIS, CE ISO9227-2017 Salt Spray, ISO12944 paint corrosion resistance, UL3135 Cabling, UL1598 Safety Luminaires, UL8750 LED Safety, UL1703, FCC Part 15 class B
Certified to meet ANSI/IES RP-8-14 and ANSI/IES RP-20-14 lighting standards

*	Based on standard tests at 77°F at 20ft mounting height in test conditions. Stealth lights mounted on higher poles will shorten the sensing range
**	Days backup is calculated on a 12 hour night time operation @ 1402 lumens
***	When fitted with optional control system
****	GFS does NOT guarantee lighting performance due to many factors outside of GFS control such as shading, dirt, bird fouling and excessive triggering, however based on test data from numerous installs across the world 14 hour a night operation has been achieved in typical installs
*****	5 year on all components except battery (3 year) refer to specific warranty T&Cs document

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION, DESIGN OR OTHERWISE.

LIGHT ANGLE DISTRIBUTION

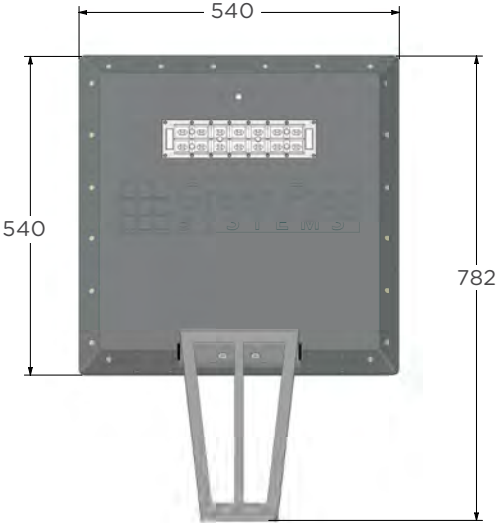
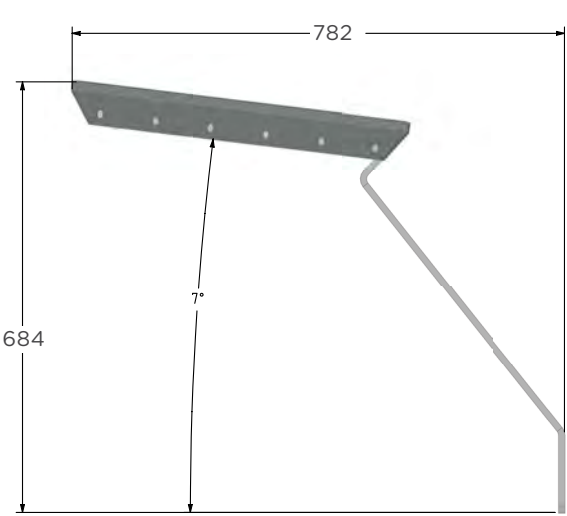


ORDERING INFORMATION

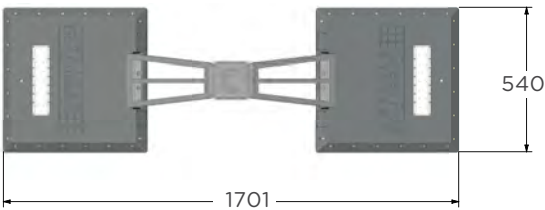
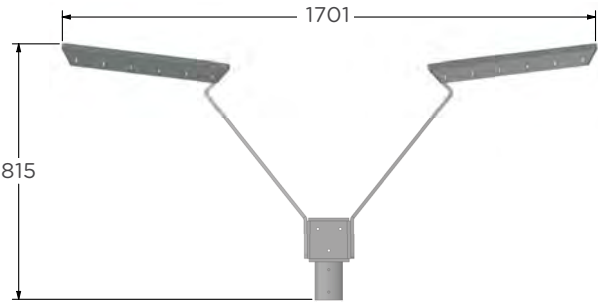
PART NUMBER	DESCRIPTION	WEIGHT (KGS)	UNIT DIMENSIONS (ASSEMBLED)
GFS-STEALTH	GFS-Stealth Solar Pathway Light	21.55	540*540*58mm
GFS-STEALTH-PB60	GFS-Stealth Pole mount bracket suit 2.38" pole	5.6	ID 63mm OD 76mm
GFS-STEALTH-WB	GFS Stealth Wall mount bracket	6.25	635*200*80 mm
GFS-STEALTH-PB76	GFS-Stealth Pole mount bracket suit 3" pole	6.6	ID 80mm OD 92mm
GFS-STEALTH-DUO	GFS-Stealth Dual head model complete kit (less pole)	64.3	1702*540*815mm
GFS-STEALTH-TRIO	GFS-Stealth Triple head pole model complete (less pole)	92.1	1702*1122*815mm
GFS-STEALTH-QUAD	GFS-Stealth Quad head pole model complete (less pole)	119.9	1702*1702*815mm
GFS-STEALTH-HD	IK10 ultra vandal resistant upgrade for Solar Panel	22.95	540*540*60mm
GFS-STEALTH-SGL	LED and PIR stone guard (ultra vandal resistance)	0.23	266*127*6mm
GFS-STEALTH-LL	TYPE 5 Round LED lens upgrade	NA	NA
GFS-STEALTH-CAM	GFS STEALTH Camera upgrade 4K resolution	23	540*540*148mm

MOUNTING OPTIONS

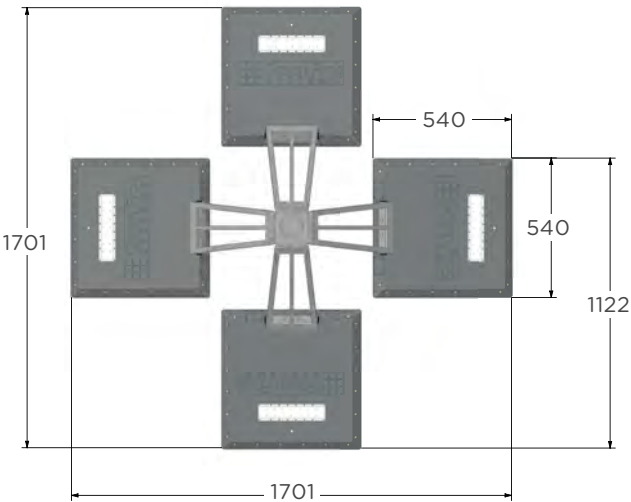
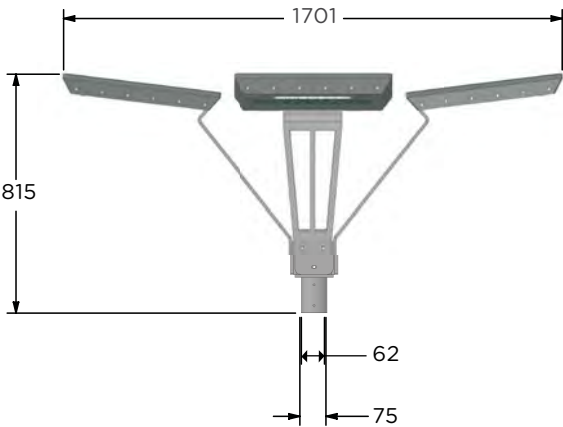
WALL MOUNT



TWIN HEAD



QUAD HEAD



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