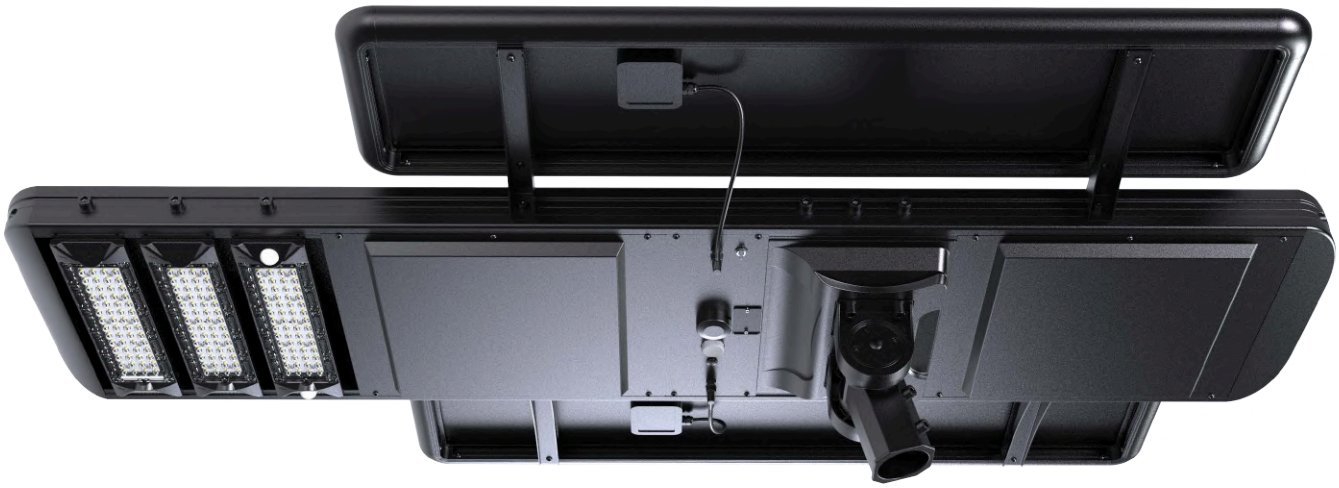
STEALTH 120-23-EX

LED Solar Street Light



Solar Lighting International®

https://www.solarlightingitl.com



Welcome

Founded in 2006, Solar Lighting International® began with a bold vision: to deliver commercial-grade solar lighting and solar traffic signal solutions that exceed customer expectations through durability, reliability, and industrial-grade performance. This vision is made possible through our unwavering commitment to exceptional product quality, superior customer service, and comprehensive after-sales support.

Today, Solar Lighting International, Inc. stands as a global leader in the design and manufacture of commercial solar lighting products. With over two decades of experience, beginning with the innovative X-35 series solar streetlights, we have expanded our product portfolio to include the Stealth all-in-one solar lights and a wide range of commercial solar products. These include solar-powered streetlights, parking lot lights, pathway and walkway lights, and solar-powered traffic safety products. Solar Lighting International products are proudly designed and engineered in the United States, delivering quality and performance you can trust.

Global Presence

Solar Lighting International partners with select installing contractors and distributors across the United States, the Bahamas, Puerto Rico, the Turks & Caicos, Trinidad & Tobago, Oman, Suriname, El Salvador, Ecuador, and Bahrain.

Our international engineering and sales team offers expertise in project planning and execution, installation guidance, and technical support.

We take pride in our long-standing relationships with loyal and repeat customers, and invite you to become part of the Solar Lighting International family.





Stealth Solar Light Features and Benefits

- **Low Maintenance**- annual panel cleaning in most environments for reliable performance
- **Easy Programming:** User-friendly remote control for programming
- **Custom Optics:** Multiple lens options for light distribution
- **High-Efficiency** Mono-crystalline Solar Panels & MPPT Charge Controller
- **Long-lasting** Lithium Iron Phosphate LiFePO4 batteries
- **Adjustable** LED light bars up to 50° in both directions
- **Dual Motion Sensors**: Two Wide-angle motion sensors provide superior coverage over longer distances vs. a single PIR sensor.
- **EXPANSION PANELS**- ORDER USING **P/N STEALTH II ESP-120** ADDS 80 WATTS EXTRA CHARGING
- **AC Charging Port-** optional AC charger available

Specifications





Product Model	STEALTH 120-23-EX		STEALTH 120-23-O-EX	
Power	120W		120W	
Lumen / LED Type	22,200 Lumens (Phillips 5050)		22,200 Lumens (Phillips 5050)	
Color Temperature	4000K / 5000K		4000K / 5000K	
BUG Rating	B1-U0-G2		B1-U0-G2	
Battery	$LiFePO_4$ 36AH,25.6V / 921.6Wh		$LiFePO_4$ 48AH,25.6V / 1228.8Wh	
Solar Panel	Mono-crystalline | 200 Watt		Mono-crystalline | 200 Watt	
Light Dimensions	65.6"×34.74"×11.77" 1666×882×299mm		65.6"×34.74"×11.77" 1666×882×299mm	
Working Time	Up to 14 Hrs if fully charged, Alternate working modes and working times, ranges from 3 - 6 nights.		Up to 16 Hrs if fully charged, Alternate working modes and working times, ranges from 3 - 6 nights.	
Charging Time	Requires 6 hours of direct sunlight at optimal angle. Optimal direction is magnetic south and the optimal angle equals the latitude of the installation. Performance is reduced if product is installed different than the optimal angle or non-South facing.			
Beam Angle	Standard Distribution: 150 x 80°- Type III | Optional Lens available for Type I, Type II & Type IV Distribution			
PIR Sensor	2 PIR Sensors | Detection angle: 150° | Detection distance: up to 15 Meters / 50 Feet			
IP Class	IP66			
Working Temp	-20°F - 140°F / -23C°- 60C°			
Housing Material	Powder Coated Aluminum | Salt Spray Coating			
Weight N.W./G.W.	71 lbs. | 84 lbs. 32 kg | 38 kg **(Fixture)**	22 lbs. | 29 lbs. 10 kg | 13 kg **(Extended Panel)**	86 lbs. | 102 lbs. 39 kg | 47 kg **(Fixture)**	22 lbs. | 29 lbs. 10 kg | 13 kg **(Extended Panel)**
Box Dimensions	75.4"× 19.5"×7.1" 1915×495×180mm **(Fixture)**	61"×13.8" ×7.9" 1550×350×200mm **(Extended Panel)**	75.4"× 19.5"×7.1" 1915×495×180mm **(Fixture)**	61"×13.8" ×7.9" 1550×350×200mm **(Extended Panel)**
Installation Height	20' - 30' or 6 - 9m		20' - 30' or 6 - 9m	
Installation Spacing	100' - 150' or 30 - 50m		100' - 150' or 30 - 50m	
EPA	8		8	
Warranty	3 years **			

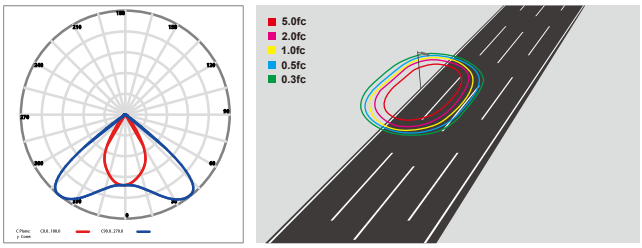
* Default lens is Type III, other options available. **
Prorated if not installed per optimal instructions.

California Residents: Prop 65 Warning
Warning:
Cancer and Reproductive Harm
Visit: www.p65warnings.ca.gov

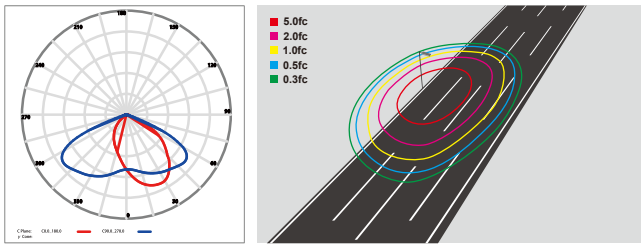


Photometrics

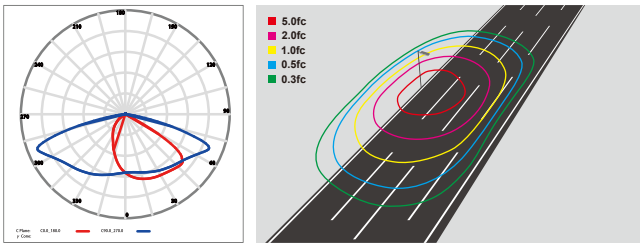
60×100°（TYPE Ⅰ-VS）



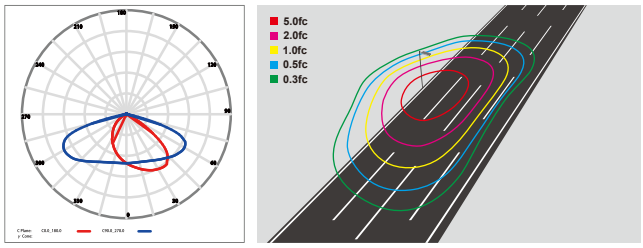
70×135°（TYPE Ⅱ-S）



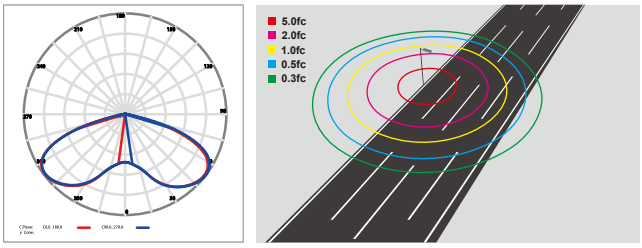
75×150°（TYPE Ⅲ-M）



80×150°（TYPE Ⅲ-S）



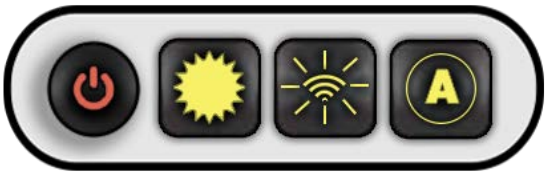
150°（TYPE VS）



* Type III default light distribution.
* All lens options available at additional cost, must specify at time of order.
* Fixture Mounting at 20Feet. Fixture tested at full power.



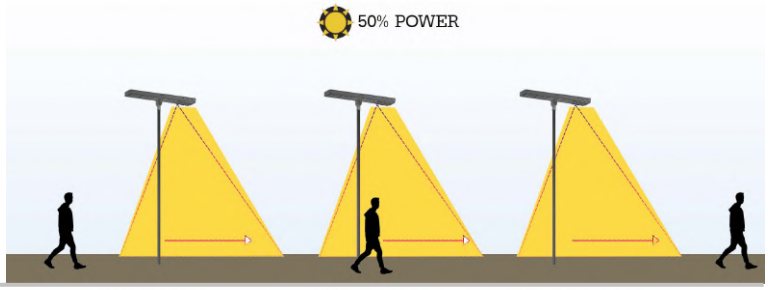
Solar Controller Modes



Power Button

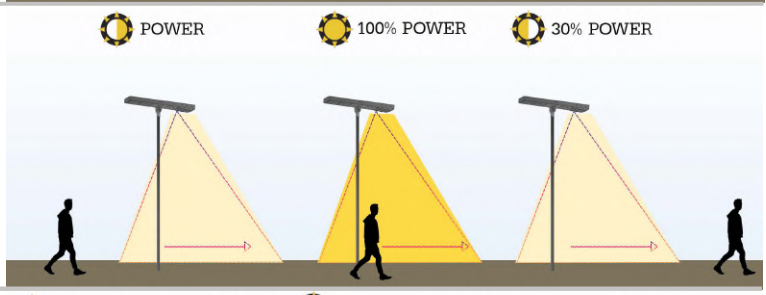
Constant Lighting Mode

Operates at 50% brightness from dusk to dawn or until the battery is depleted. This is the default setting.



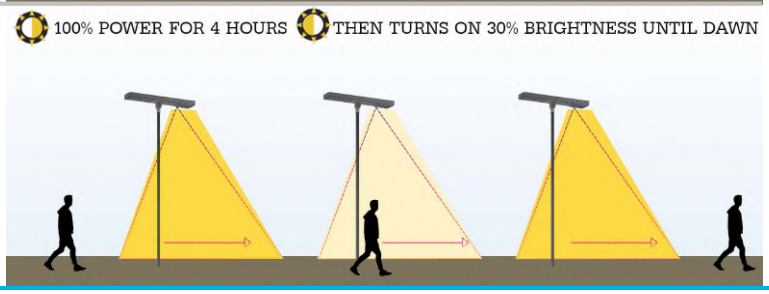
Sensor Mode

Lights operate at 30% brightness by default. Motion will activate the light to increase to 100% brightness until no motion is detected for 30 seconds, then returns to 30%. Motion detection range up to 50 feet.



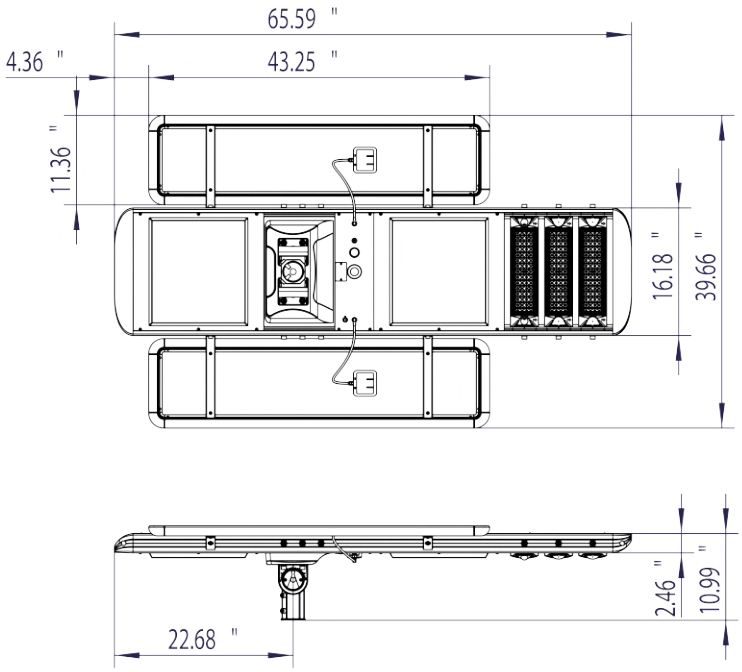
Customized Mode:

Up to 100% brightness for up to 4 hours, then automatically dims to 30% brightness until dawn or until battery is depleted.



Product Dimensions

120W



120W 80+40 MOQ 300

