Installation Instruction

Thank you for choosing eLEDing!

Introduction and Intellectual Property Rights Statement

This product is designed to provide years of trouble-free services by using environment-friendly Solar-Hybrid-Lithium based energy technologies. Covered under US, European, China and other international patents granted and pending worldwide. All rights reserved.

Must read the user manual before installation. As DIY must be with basic AC electric/electronic and building construction related experience or/and consult with local experienced electrical & electronics Installers/technicians to assist your installation. Make sure you are aware of and take steps to comply with local construction, safety standard and regulations for installation and apply of this product. During installation, please follow proper safety guidelines to prevent any possible accidents or injuries.

Initial Activation or quick full function Testing: the purpose of this step is to ensure the light unit and control system as well as every component are all function and in normal working condition.

1. For EE810W-SFBS: press the ON/OFF button on the side of the unit to activate the lighting system with initial state setup (Fig.1)

2. For EE815W & 820W-SFBS: remove the security screw, press the ON/OFF micro switch by using a pin (provided or most paper clip) to activate the lighting system with initial state setup. After activation, reinsert the security screw to protect the switch button (Fig.2)

3. Recommended Initially Activate the light and quick full function test: **press the button/switch once, the light unit will turn on with lower brightness as initial state setup, then if following fast double-press the button, the light will flash three times, indicating the lighting system and motion detection mode are activated for walking test. During darkness condition, the light will start dimming if no motion being detected; once motion being detected, the light will automatically come up to maximum brightness for 30 seconds and back to dimming profile when motion disappear. If motion continues, the light will keep lighting with maximum brightness. For daytime testing, cover the solar panel by using large size cardboard to simulate nighttime condition. If the light function as described above, the light is function normal and will provide all-night-long illumination with SMART lighting profile after next activated cycle complete.**

SMART lighting profile: under eLEDing's software-based Intelligent Power Management (IPM) system, the innovative SMART lighting profile offers Dusk-to-Dawn lighting capability. It offers auto compensation during critical weather within different geographic locations. After activating motion detection mode and all functions work well, user can install the light in their desired area, the light will be automatically activated when the ambient light is lower than 10 LUX, and keep lighting with 80 percent of maximum brightness for the first 3 hours for most traffic period timing window and then automatically be dimming with 20% of full brightness as saving mode for most quiet night period time until when motion was being detected, the light will come up to maximum brightness. (Fig.4)

Installation Guidelines

1. Follow above standard setup procedure to activate the lighting system (Fig.1 or 2)
2. Securely mount the unit on the light pole or wall, adjust the light head direction and angles based on your need (Fig.5, 6)
3. The light will automatically shut down and charge during daytime sunshine condition (Fig.6)
4. Suggested Mounting Height: EE810W-SFBS (8 ft – 10 ft); EE815W-SFBS (10 ft -13 ft); EE820W-SFBS (13 ft -17 ft) refer (Fig. 7)
5. Diameter of Mounting Adaptor: 2"-7/16 (2.3" to 2.44") refer (Fig. 7)
6. **Solar Panel Direction:** The solar panel must be mounted in a non-obstructed position where it will receive an average of at least 4 hours daily direct sunlight all year round. It should be mounted with a tilt of 15°- 50° degrees. For Northern hemisphere installations the solar panel can be mounted facing to East-South-West with direct southerly facing position is best and visa-versa for Southern hemisphere installation. As a option, AUX DC power sources can be use either for quickly charge light unit before installation, or/and for poor sunshine location or position with back-up power source or as a charging enhancement method for models of EE815W and EE820W . (Fig. 8)
7. **Solar Panel Maintenance:** Use a soft wet cloth to periodically (at least once a one year) clean the solar panel to avoid the reduction of energy output due to accumulated dust. Clean accumulated snow as soon as possible during the snowing season.

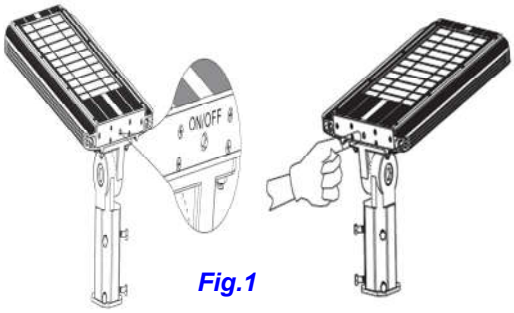


Fig.1

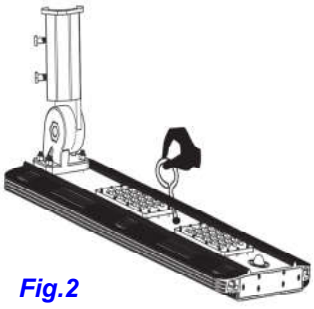


Fig.2

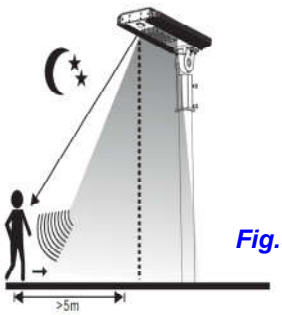
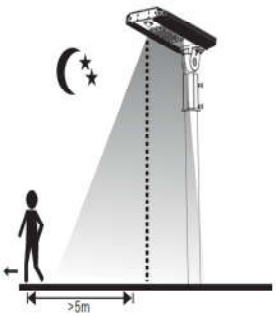


Fig.3



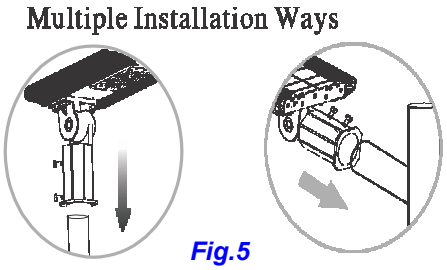


Fig.5

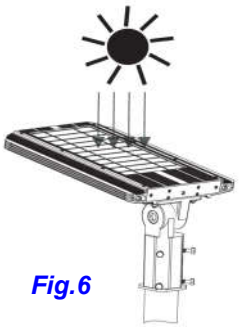


Fig.6

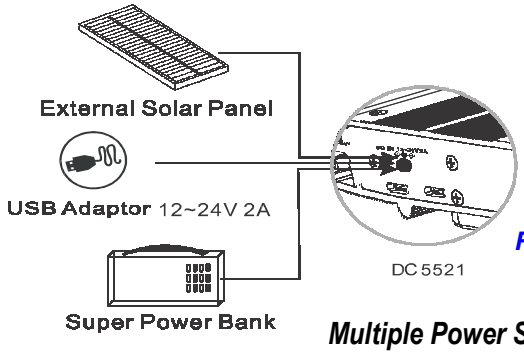


Fig.8

Multiple Power Supply

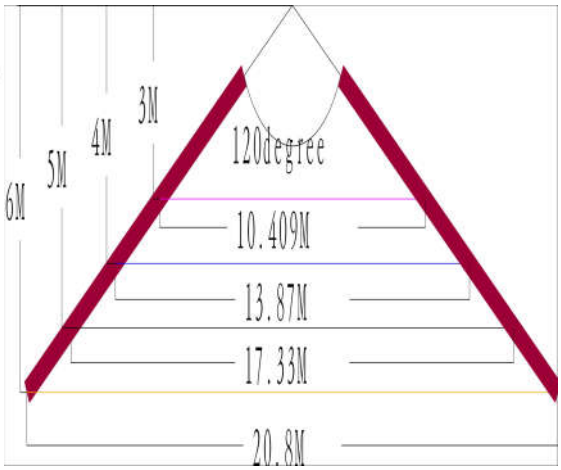
YouTube Video References:

- EE810W-SFBS: https://youtu.be/h7NKma1LNSo
- EE815/820W-SFBS: https://youtu.be/rNCNVq0_Bs0

Installation Instruction

Specifications	EE810W-SFBS	EE815W-SFBS	EE820W-SFBS
Industrial grade self-contained design and made (IP65)	Yes	Yes	Yes
LED Number	20pc	40pc	60pc
LED eMitter output (Max on peak)	5W	12W	18W
Illumination brightness (Lumen on peak)	500+	1200+	1800+
LED illumination color	5000K	5000K	5000K
Included Energy Storage Packs: Li-Poly battery pack	13.2 ah	26.4 ah	39.6 ah
Intelligent power management (IPM) capable dimming selectable	Yes	Yes	Yes
Solar Panel: Mono-crystallineTempered Glass	7W	15W	22W
Light Size (L x W x H)	14.5"x11"x1.75"	25"x11"x1.75"	35"x11"x1.75"
Unit Weight (lbs)	13	19	26
Mounting tube adapter	2"-7/16 (2.3" to 2.44")	2"-7/16 (2.3" to 2.44")	2"-7/16 (2.3" to 2.44")
Package Weight (lbs)	14.5	22	30
Package Size (L x W x H)	16.5"x14"x7"	26.5"x14"x7"	38"x14"x7"
Aux Solar Panel/DC Adapter Available	No	Yes	Yes
Charging Time	9-10hrs	9-10hrs	9-10hrs
Installation Height	8ft-10ft	10ft-13ft	13ft-16.5ft
Operation Temp.: - 4°F to +125°F	Yes	Yes	Yes
Complies with FCC Part 15 Class B and ICES-003:2004	Yes	Yes	Yes

Mounting Height Suggestions *Fig.7*



Mounting High vs PIR Profile

Solar led street light lighting mode
3Hrs 80% Full Bright +PIR

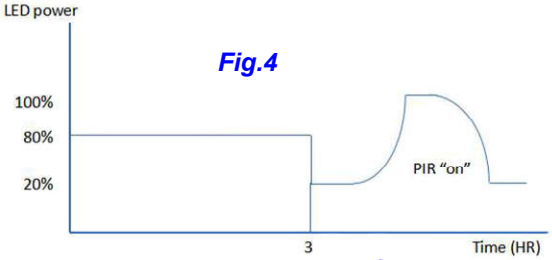
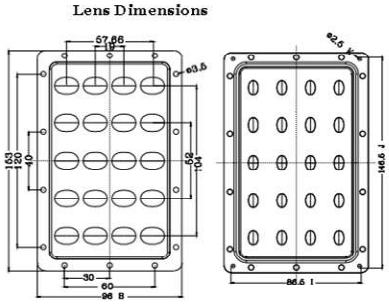


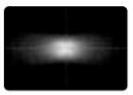
Fig.4

IPM Illumination Profile

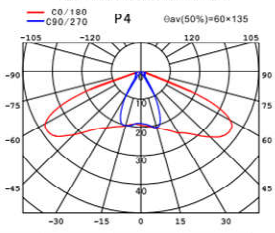
Lens Dimensions



Beam Pattern



Light Intensity Distribution



Match LED

LUMILEDS	CREE		OSRAM		DISON
K2		P4			A-1 A-5 S5