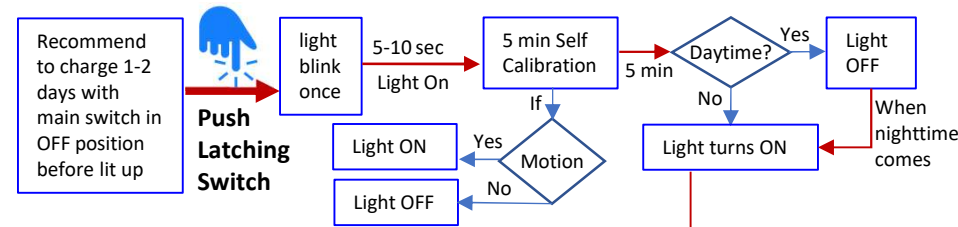


Thank you for choosing eLEDing! Built an exclusive auto-compensation firmware as AI-SMART mode for critical weather and seasons.

This product is designed to provide long lasting superior illumination by using environment-friendly Solar-Hybrid, Lithium-based energy technologies. US, European, China and international patents granted and pending worldwide. All rights reserved. Users must read this manual before installation, comply with local standard and regulations of construction & electrical/electronic projects, follow the safety guidelines to prevent any possible accidents, incident and/or injuries. Consult experienced contractor/installer and electrical technicians for assistance.

One Step Setup (Just 1 Click! Refer Fig.1)



Two Year Limited Warranty

EESGI guarantees this product to be free from defects in material & workmanship for (2) year.
This warranty does not apply to damage from misuse or incorrect installation/ connection.
This warranty does not cover accessories, bulbs, batteries, high voltage accidents, alterations, unauthorized use or repair, neglect, misuse, abuse, damages or defects resulting from normal wear and tear (including chips, fading scratches, abrasions or discoloration due to usage or sun exposure), or failure to follow instructions for care and maintenance, fire, flood, and Acts of God.
This warranty does not include liability for incidental or consequential damages.
EESGI is not responsible for any damages in excess of the retail purchase price of the product under any circumstances. The consumer is responsible for the installation of, removal of, and reinstallation of the product.

AI-SMART default profile (Jumper2 open, Fig.2 & 3)

SMART 2: Jumper2 closed, disable motion sensing for fixed pre-set illumination level 5-50% of max brightness, refer Fig 2, VR1

Full brightness up to 3hrs & 4hrs: AI20

After few hours

Dimming brightness until dawn

AI-SMART Mode

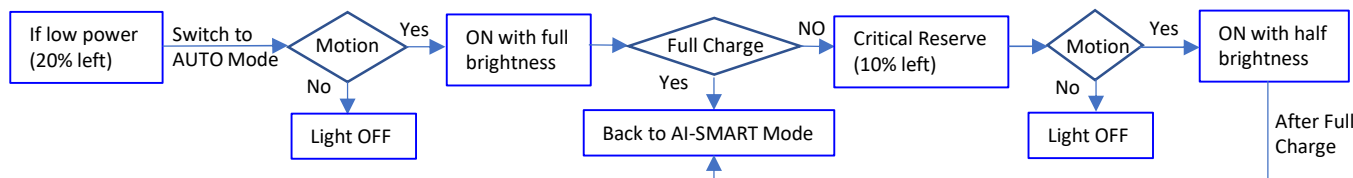
If in the critical weather
Auto convert within 0-3hrs w/higher power or dimming saving profile

Higher brightness profile will less than 3hrs.

Dimming brightness until dawn

Exclusive SMART illuminating saving mode to support when/where with insufficient Sunlight

Intelligence Power Management (IPM) system : monitor & auto adjust power consumption



Lighting Profile Setup & Battery Change: open the bottom cover (Fig.2)

Battery change: unplug the fault battery and replace it with the new battery. Noted that the battery plug only fit in one way.

VR1: adjust dimming brightness (from 5-50% of max brightness in either mode, clockwise to increase), minimum set is recommended.

VR2: adjust sensor range, can be adjusted from 10 - 50 ft, turn counterclockwise to decrease sensitivity range. (Fig.5)

Notes: increasing dimming brightness & sensitivity may reduce the length of illumination period, especially during wintertime

Installation Guidelines: As AI SMART version, once initially power ON, it needs at least one day automatic self-calibration to be light up with maximum performance in most geographical environment

1. Securely mount the unit on the light pole or wall, adjust the light head direction and angles based on your need (Fig.4, 6)

2. Solar Panel must be mounted in a non-obstructed position that allows at least 5-6 hours direct sunlight all year round. For most of the North America projects, adjust the tilt of the solar panel at 20° - 45° degrees based on your actual location. If you are close to equator's location, a flat installation (light head is parallel to the ground) will be reasonable.

The solar panel can be pointed between east to west, but **definitely not to north**.

For northern hemisphere installations, a south-facing position is best and visa-versa for southern hemisphere installation.

Optional AUX Input DC power sources can be used as charging enhancement for poor sunlight location or balancing the solar panel direction and lighting projection with conflict (Fig. 1) . Refer: https://youtu.be/hDn5JWr_DPA

3. Solar Panel Maintenance: Use soft, wet cloth to clean the solar panel periodically (at least once a one year) to avoid energy output reduction resulted from accumulated dust. Clean accumulated snow ASAP during snowing season.

Fig.1

ON/OFF Main Switch

AUX v solar panel: 15-20V/10-30W

DC Charger: 15-20V/-2A

Multiple Installation Ways

Fig.3

Fig.4

Fig.2

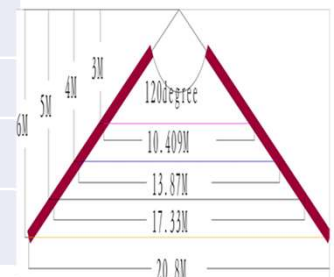
Battery Connect Plug

Select lighting profile: unscrew & remove the cover, use jumper 2

VR2: adjust sensor range

VR1: adjust dimming brightness

Specifications	EE810W-AI10	EE815W-AI15	EE820W-AI20
Outdoor Application Rating	IP65		
CREE LED Number	1COB/20pc	2COB	2COB/40pcs
CREE LED Emitter output (Max on peak)	10W	15W	20W
Illumination brightness (Lumen on peak)	1600	2400	3200
CREE LED illumination color	5000K	5000K	5000K
Li-Poly Battery Pack	50WH	100WH	120WH
Intelligent power management	AI version with AIPM		
Dim Brightness (adjustable)	50-800+ lumen	75-1000+ lumen	100-1500+ lumen
Sensitivity Coverage (adjustable)	10-50 ft	10-50 ft	10-50 ft
Mono-crystalline Tempered Glass Solar Panel	12W, 15V	17W, 15V	22W, 15V
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	Yes		
Mounting Adaptor Diameter	2"-7/16 (2.3"-2.44")		
Package Weight (lbs)	15	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	Optional, 15-21V DC/≤2A		
Charging Time	5-10 hrs		
Operation Temperature	(- 4°F to +125°F)		
Certificate & Compliance	FCC Part 15 Class B and ICES-003:2004		


Fig 5. Height & PIR Profile

Fig 6. Mounting Height & Diameter of Area Coverage (ft)
