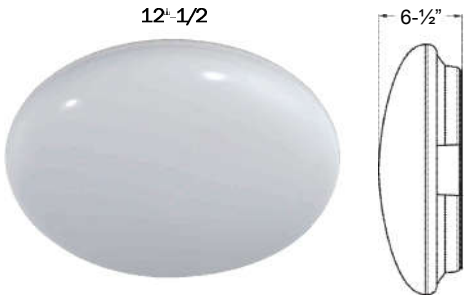


EE118WMC User Manual

Please Read Carefully Before Installing the Unit!

Introduction and Intellectual Property Rights Statement

Thank you for choosing the EE118WMC LED SMART Light. With its effortless setup and lightweight design, the EE118WMC LED Smart Light conforms to all your lighting needs. It was designed and made to provide many years of trouble free service using environmentally friendly LED-Doppler Sensing technology. Covered under multiple US, European, China and other international patents granted and pending worldwide. All rights reserved. Contents:



- What's Inside the Package
- Installation
- Functions
- User Tips
- Specifications
- Optional Accessories
- Important Safety Information
- Limited Warranty Information

The Package

1 - LED Sensing Light Unit 4 – Hardware Package with Screws and 2-Wire nuts/Cable connectors 1 - White frosted light body cover

Applications

AC powered LED Sensing Light, with "All in One" Operating Capability:

Standard - Can be used for new AC powered lighting installations or to replace existing out-dated incandescent or older LED light fixtures by ON-OFF switch controlled lights.

Doppler Sensing - Provides outstanding motion sensing performance and unlike standard PIR motion detection, it is effective in sensing changes in ambient temperature and it is not blocked by obstacles (wall, glass e.g.)

Smart Sensing Profiles - Can be set for either of two pre-selectable dual Energy Saving Modes. If the sensor does not detect any motion in the covered area after the pre-set delay time then it can be auto-set to either "Completely Turn OFF" or "Gradually Dim the Lighting" to your selected pre set illumination of dimming brightness level.

Dusk to Dawn - When install it with AC power ON all the time, it can provide all night long Safety/Security lighting automatically and built on with pre-selectable SMART illumination profile (refer Fig 3 for factory default setting).

Standard AC Lighting for Residential: (Fig. 1)



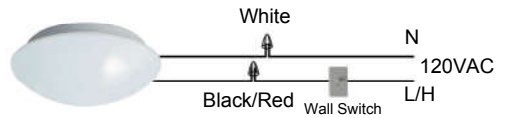
Living Area



Bedroom



Restroom



Individual New or Replacement Application

Fig 1

Standard AC Lighting for Commercial, Industrial or Public Facilities: (Fig. 2)



Corridor



Hallway

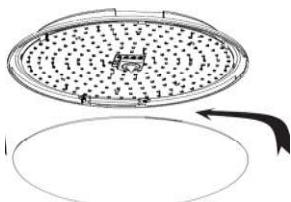


Elevator Lobby

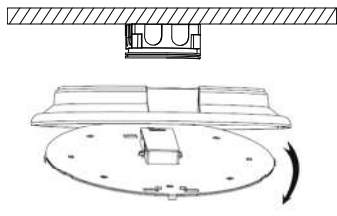


Stairway

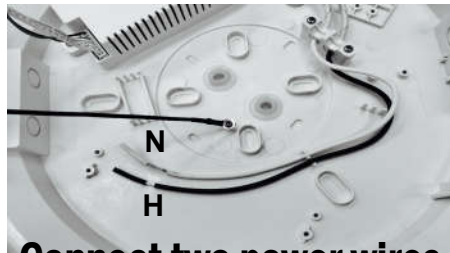
Installation



Turning to Open the cover

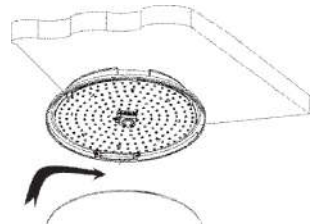


Mount the base with standard J-Box or other drill holes mount option



Connect two power wires

Fig 1A



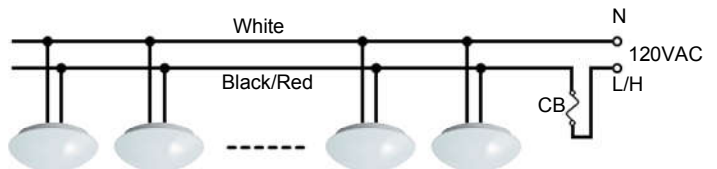
Turning to close the cover

Mounting & Setup:

Must turn AC power OFF before installing. Screw the light fixture base onto the pre-installed/existing electric standard J-Box and connect power wires (N & H), refer: Fig. 1, 1A & 2. For concrete/brick/stucco surface without the J-Box: It is best to drill clearance holes using a 3/16" masonry bit then insert plastic anchors and screw the base into position. Make sure mounting is secured and safe by your local electric code. Then power ON as general lighting control for normal lighting function.

Standard Lighting plus auto saving Application*:

By connecting AC power source (120V/240V AC), the light can be applied as standard lighting system be manually ON-OFF by wall/ceiling mounted switch. In this application, it's recommended to set all adjustment knobs to max position (clockwise all the way to end). Such settings are highly recommended for office, working room, and bedroom, bathroom and kitchen applications.



Multiple New or Replacement Application

Fig. 2

● **Apply as Dusk to Dawn Automatic SMART Activity Lights:**

For hallway/corridor, stairway, public garage, restroom, elevator lobby and any secured common area, connecting with AC power (120/240V AC) for new lighting project or existing lighting replacement/improvement project. When the power is ON all the time, this light will automatically light up and with SMART lighting profiles, and it will only illuminate to the pre-set ambient light level for all night long without any additional timer or photo sensor adding on. (refer: Fig. 2, 3 for factory default setting)

● **Doppler Motion Sensitivity Adjustment:**

Turn the knob clockwise to increase the sensitivity/range of motion detection, counterclockwise to decrease its sensitivity/range. Unlike other types of motion sensors (PIR e.g.), Doppler/Microwave sensor can detect movement through most nonmetallic blocking obstacles, therefore the movement can be detected (almost without delay) even before the target enter the covered area. The coverage area ranges from around 5 to 50 feet diameter when the light is mounted at a height of 8-10 feet. In order to avoid false triggering, please do not set it too sensitive: 50-70% of Max level is recommended. (refer: Fig. 3, 4)

● **Delay Timer Adjustment:**

When the light was triggered by motion, it will light up or turn on to maximum brightness from 8 seconds to 12 minutes, depends on user's settings. During the delay period, any continued movements will reset the timer and extend the delay time. A shortest delay time is recommended during initial walk test for quick setup. After that, users can set their preferred delay time frame by using the delay knob. Max timing set is recommended (refer: Fig. 3)

● **Ambient Light Level Adjustment:**

By using LUX knob users can set an ambient light level to light up. The light will automatically turn on when its ambient light environment lower than the preset level, no matter in daytime or nighttime. For most of the case, we recommend to set it at minimum or a little bit above the minimum level so the light will be turned on automatically when reasonable darkness/nighttime comes (refer: Fig. 3)

● **Auto Dimming setup as Power SMART Saving & Safety "Moon Light" DIM Mode (recommended):**

If the preset delay period expired and no movement is detected, *the light will dim down to preset brightness level. By setting the DIM knob from MIN to MAX position (Left to Right position),* this light can automatically dim down from 5% (1W) up to 30% (5W) of maximum level (18W). If movement being detected, the light will light up to maximum brightness. Such flexible in security/safety lighting profile with energy-saving feature is great for most outdoor/indoor lighting applications.

● **Motion Activated only as Energy Saving or Security Alert Mode (traditional):**

By setting the DIM knob all the way to Minimum position (far left end), this light will automatically turn OFF after delay period expired if no movement been detected (as traditional motion sensing light). As long as any movement being detected in the coverage area, the light will light up with maximum brightness. Such illumination profile is an ideal application for Closet, Garage and Storage etc.

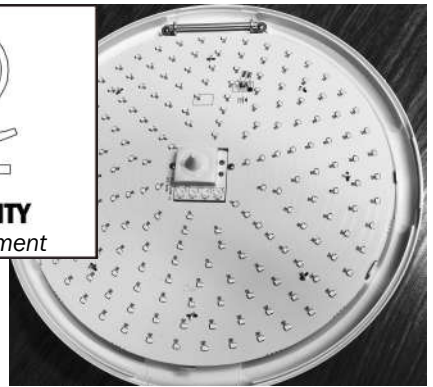
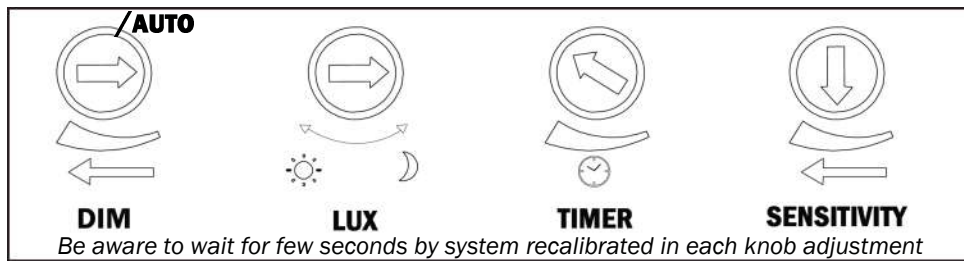


Fig. 3 refer factory default setting

User Tips and Warning!

- **Shut off the main AC power before starting installation**
- Keep it away from the children during the installation.
- Avoid installing where the temperature or humidity is high.
- Avoid placing objects in front of the motion detector that may affect illuminating performance.
- Avoid installing the unit near air conditioners, central heaters, or outdoor area without water/weatherproof protection.
- As with a typical DIY or replacement light project for custom-made considerations visit your local hardware store or consult experienced electric technician for assistance on your specific mounting accessories and installation needs. User and Installer have to consider application site's environmental condition and specific lighting purpose to decide best mounting and installation arrangement.
- All installation procedures must follow their local safety standards and building, electric regulations.
- **The manufacturer and seller does not undertake any responsibility for any losses caused by improper operation and installation**

Specifications

AC Power source: 100-240V/AC 50/60Hz
 180 SMT-LED Load: 18W (=100W ICDS lamp)
 LED specifications: FM-2835WNS
 LED Color: Warm white (3000K), Pure White (5000K)
 Lamp Brightness: 1250Lm (white); 1000Lm (warm)
 Protection: IP43, Class2
 Light Fixture Material: PC

Doppler sensor FREQ.: 5.8GHz
 RF Sensing Power: <0.3mW
 Detection range: 3-53feet/1-16m x 360° Diameter@6-10feet High
 Delay Time Range Setting: 8sec to 12min
 Ambient Light Level Setting: 10-2000lux (Dusk to Dawn illumination)
 Operating Temperature: -4°F to +125°F
 Light Unit Size: 12"/310mm (D) x 6-1/2"/165mm (H)
 Weight: 1.5Lbs
 Approvals: FCC, CE

Important Safety Information

Do not dispose of this PC with fire. This may result in an explosion.
Do not expose the light to fire or intense heat source may explode.
Do not immerse in water.
Never look directly into the light or shine it into another person's eyes.
Follow proper safety tips to prevent from falling off a ladder.
Consult your local construction safety guide if needed for installing the light fixture on a building.

One Year Limited Warranty

EESGI guarantees this product to be free from defects in material & workmanship for (1) 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.

Customer service: (877)579 3889, www.eesgi.com

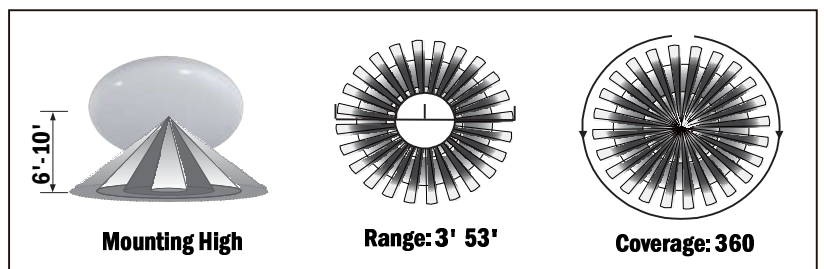


Fig. 4