

# INSTRUCTIONS

## CCT Adjustable Edge-lit PIR Surface Mount Installation



RAB Lighting is committed to creating high-quality, affordable, well-designed and energy-efficient LED lighting and controls that make it easy for electricians to install and end users to save energy. We'd love to hear your comments. Please call the Marketing Department at 888-RAB-1000 or email: [marketing@rablighting.com](mailto:marketing@rablighting.com)

**\*\* DON'T TOSS IT—RECYCLE IT! MAKE THE SUSTAINABLE CHOICE BY RECYCLING THIS FIXTURE AT END OF LIFE WITH A LICENSED RECYCLING PROVIDER. \*\***



SUMO-R-5/PIR  
SUMO-R-7/PIR  
SUMO-R-9/PIR

### IMPORTANT

#### **READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.**

RAB fixture must be wired in accordance with the National Electrical Code and all applicable local codes. Proper grounding is required for safety. THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

**TO PREVENT ELECTRICAL SHOCK, POWER SHOULD BE TURNED OFF AT THE FUSE BOX BEFORE INSTALLATION.**

#### **SAFETY WARNINGS:**

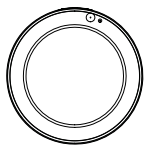
**Read all product labels and directions.**

- **WARNING – Risk of fire or electric shock. Install this kit only in the luminaires that have the construction features and dimensions shown in the photographs and/or drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.**
- **Installation should be performed only by a qualified electrician in accordance with the National Electrical Code and relevant local codes. Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.**
- **WARNING – To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.**
- **INSTALLATION SHOULD ONLY BE PERFORMED AFTER POWER TO THE FIXTURE HAS BEEN DISCONNECTED.**
- **These instructions shall be included on an information sheet packaged with each unit.**
- **This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:**  
(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### WHAT'S IN THE BOX



Fixture (1)



Nuts (2)



Screws (2)



Mounting plate (1)



Self-tapping screws (2)  
(Not suitable for 5 inch fixture)

### TOOLS NEEDED

#### **Installation with J-BOX**

A screw driver is needed for installation

### INSTALLATION WITH J-BOX

1. Make sure the **POWER IS TURNED OFF** at the source to the J-box in which you are installing the product.

# INSTRUCTIONS

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# RAB®

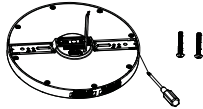
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### INSTALLATION WITH J-BOX (cont'd)

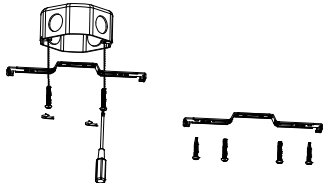
1. Remove the mounting plate by prying it off the fixture, and extract the screws from the accessory kit. (Fig.1)

Fig: 1



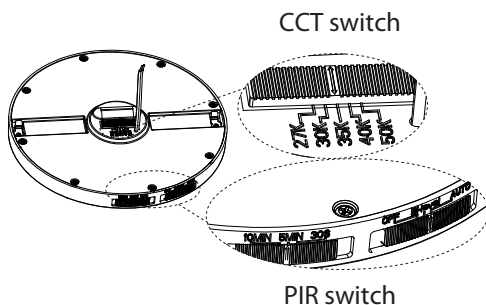
2. Secure the removed mounting plate and the J-Box together using screws. Tighten the screws moderately until the mounting plate sits flush against the J-Box. For 7-inch and 9-inch fixture, additionally install two self-tapping screws to ensure both ends of the mounting plate are firmly secured to the mounting surface. (Fig.2)

Fig: 2



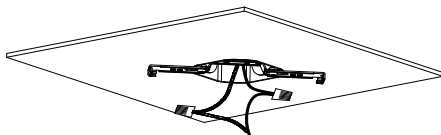
3. Select desired CCT, on-time, and PIR function status. (Fig.3)

Fig: 3



4. Retrieve the nuts from the accessory kit. Connect the input wires from the LED to the wires in the J-Box, ensuring Live-to-Live (L-to-L) and Neutral-to-Neutral (N-to-N) connections. (Fig.4)

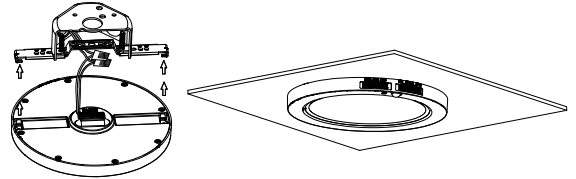
Fig: 4



### INSTALLATION WITH J-BOX (cont'd)

5. Organize the wires from the fixture and the J-Box on the same side of the mounting plate. Align the mounting clips with the spring tabs on the fixture. Push the fixture toward the mounting plate until the spring tabs snap into place, ensuring the LED light is firmly secured. (Fig.5)

Fig: 5

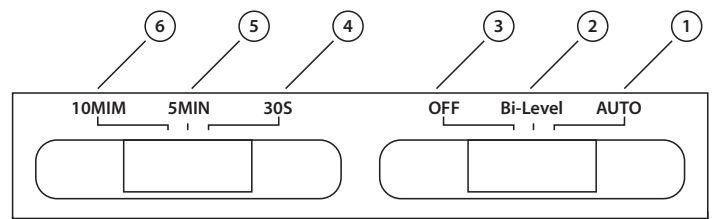


### PIR SENSOR FUNCTION

Self check function: turn on at the first time, if no movement is detected within 12 seconds, the light will turn off.

- ① "AUTO": Fixture on and PIR active, the switch w/ hold-on function, but w/o stand-by function
  - a) Select @30S: PIR triggered, fixture hold-on 30S @100% brightness, then off
  - b) Select @5Min: PIR triggered, fixture hold-on 5Min @100%, then off
  - c) Select @10Min: PIR triggered, fixture hold-on 10Min with 100% brightness, then off
- ② "Bi-level": PIR active, the switch w/ hold-on & stand-by function
  - a) Select @30S: PIR triggered, fixture hold-on 30S @100% brightness, stand-by 30S @50% brightness, then off;
  - b) Select @5Min: PIR triggered, fixture hold-on 5Min @100% brightness, stand-by 5Min @50% brightness, then off;
  - c) Select @10Min: PIR triggered, fixture hold-on 10Min @100% brightness, stand-by +∞ @50% brightness;
- ③ "OFF" of dip-switch: PIR and light sensor disabled; fixture works as a regular light.

Remark: AUTO and Bi-level switch: When the illuminance of the natural light lower than 65-75 lux, the light sensor will be turned off, and will trigger PIR sensor; When the natural light illuminance exceeds 75-85 lux, the light sensor will trigger and the fixture can't light up.



**Note:** These instructions do not cover all details or variations in equipment nor do they provide for every possible situation during installation, operation or maintenance.