

# INSTRUCTIONS

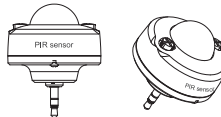
## PIR INFRARED SENSOR FOR HID REPLACEMENT LAMPS

**RAB** | Accessory

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).

### PIR-S

Only apply for HID-XXX-EX39-8XX-BYP-PT and HID-XXX-V-EX39-8XX-BYP-HB



## IMPORTANT

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

### Caution:

1. Operating temperature: -20-35 °C (-4-95 °F)
2. **Not suitable for enclosed luminaires**
3. One module per one lamp
4. Set the brightness and hold time prior to installation
5. Not of use in High ambient temperature applications
6. 5 Year Warranty

## Operation instruction

The PIR Sensor includes a photocell module inside. The Sensor is only triggered by daylight or incandescent light. The **Hold Time** knob controls how long the light will stay on at 100% brightness after movement is detected. The **Brightness** knob controls the brightness of the light if no movement is detected after the set time.

Step 1: Adjust brightness knob and hold time knob (fig. 1) to the desired setting first.

(Take 20% brightness and 30s hold time as an example)

Step 2: Turn off the power to the circuit before installation, then plug the sensor into the lamp. (fig.2)

Step 3: Turn power back on to the lamps, the lamps should turn on immediately to 100% brightness and will remain on while the sensor warms up. It will take approximately 20 seconds for the sensor to detect the daylight or incandescence Light lux value.

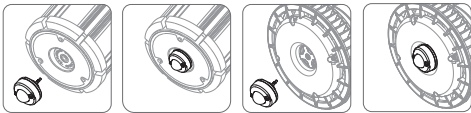
Step 4: A: If the detected light lux value is >300lux, the sensor will go into standby mode and the light will turn off after 20s

B: If the detected light lux value is <300lux, the PIR sensor will operate normally. After 20s, the lamps will dim down to 20% brightness. If the Sensor detects any movement, the lamp brightness will go back to 100%.

Step 5: The lamp will continue to burn at 100% brightness during the next 30s. If no motion is detected after a 30s period the lamp brightness will dim down to 20%.

Other brightness and hold time options are available

**Fig. 2** Plug in the module



**Fig. 1**

Brightness/Hold time

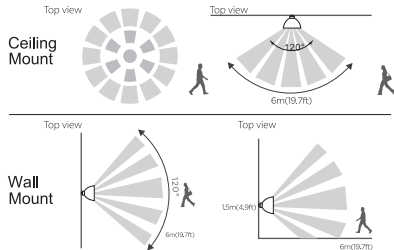
Brightness

0%/20%  
/40%/60%

Hold Time

30s/90s  
/5mins/10mins

## Signal detection diagram



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Northvale, New Jersey 07647 USA

PIR-S

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**Tech Help Line**  
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**RAB WARRANTY:** RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty).