



## KTS-PIR3-12V-PKO /G2/PS1

### LED PASSIVE INFRARED (PIR) OCCUPANCY/DAYLIGHT SENSOR

#### DESCRIPTION

PIR Occupancy/Daylight Sensor | Pre-wired for Quick Installation | Performance Parameters Set by Remote Control (sold separately)

**INPUT VOLTAGE:** 12Vdc  $\pm$  2Vdc

**OUTPUT VOLTAGE:** 0–10Vdc

**TRANSMIT POWER:** < 0.5mW max.



**5YEAR**  
WARRANTY



**RoHS**  
Compliant

#### PRODUCT FEATURES

- Screw-in form factor to work with many different Keystone fixture types. Removes need for any additional control wiring
- Partial discharge (PD) dual-technology differentiates artificial light brightness from natural light and automatically turns off light when ambient brightness exceeds preset lux level
- PIR sensing technology detects motion in the coverage area and automatically turns off light when motion is no longer detected
- Powered by Keystone 0–10V dimming LED driver
- Adjustable performance parameters set by Keystone remote control (sold separately)
- Ambient operating temperature: –30°C/–22°F to 60°C/140°F

#### PERFORMANCE SPECIFICATIONS

| Input Voltage | Input Current | Output Voltage | Stand-By Power | Max Mounting Height   | Detection Angle                                | Detection Range               | Adjustable Settings       |                                     |                                                  |                                |                          |
|---------------|---------------|----------------|----------------|-----------------------|------------------------------------------------|-------------------------------|---------------------------|-------------------------------------|--------------------------------------------------|--------------------------------|--------------------------|
|               |               |                |                |                       |                                                |                               | Brightness                | Hold Time                           | Daylight Threshold                               | Stand-By Time                  | Stand-By Dim Level       |
| 12Vdc         | 30mA          | 0–10V          | <0.5W          | 40 ft (ceiling mount) | Ceiling mount:<br>360°<br>Wall mount:<br><120° | Ceiling mount:<br>ø 46 ft max | 70%<br>80%<br>90%<br>100% | 10 sec<br>1 min<br>10 min<br>30 min | 10 Lux<br>30 Lux<br>50 Lux<br>100 Lux<br>Disable | 1 min<br>30 min<br>60 min<br>∞ | 10%<br>20%<br>30%<br>50% |

#### FACTORY PRESETS

| Catalog Number           | Brightness | Hold Time | Daylight Threshold | Stand-By Time | Stand-By Dim Level |
|--------------------------|------------|-----------|--------------------|---------------|--------------------|
| KTS-PIR3-12V-PKO /G2/PS1 | 100%       | 10 min    | Disabled           | 1min          | 50%                |

#### STARTUP BEHAVIOR

When fixture power is applied, the below startup sequence occurs

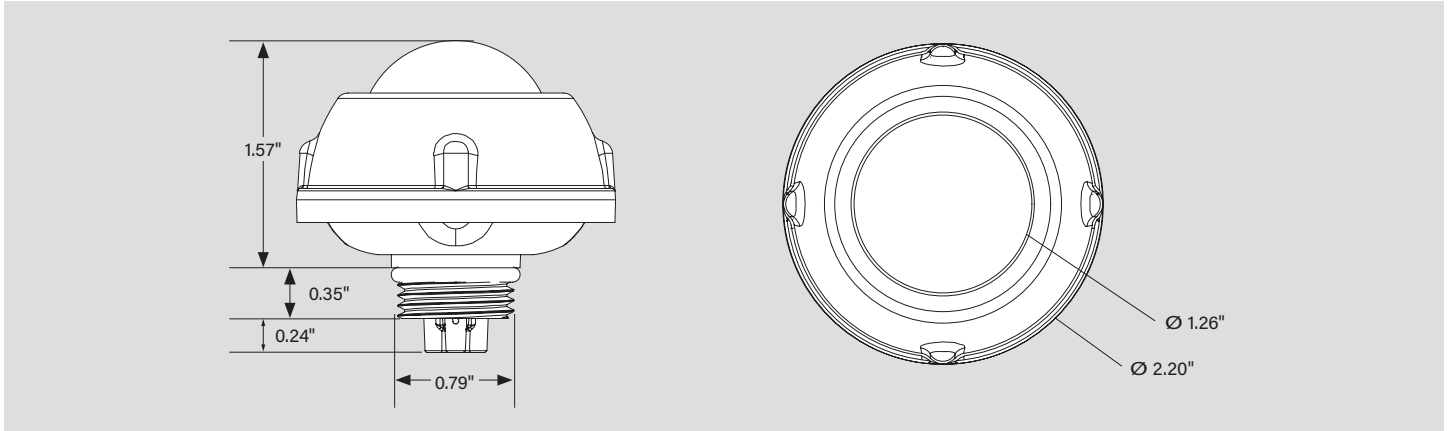
1. Light output 100%, red indicator on
2. After 10s, red indicator off
3. After 40s more, light output to 50% level
4. Sensor is now ready for normal operation



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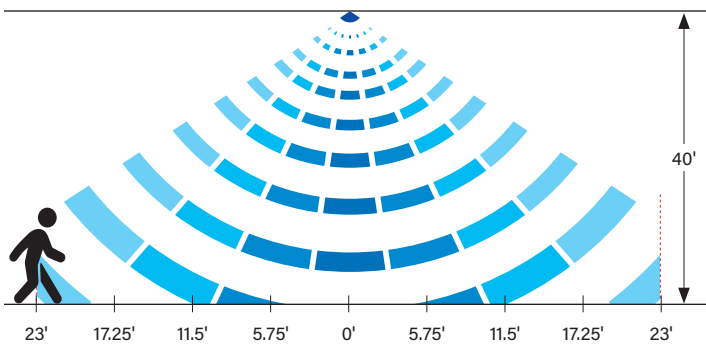
### PHYSICAL SPECIFICATIONS



### DETECTION COVERAGE

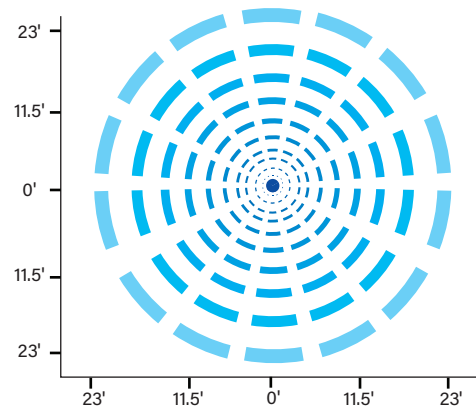
#### CEILING MOUNT (Side View)

Detection angle: 360°  
 Detection range: Ø 46' max.  
 Mounting height: 40' max.



#### CEILING MOUNT (Top View)

Detection angle: 360°  
 Detection range: Ø 46' max.  
 Mounting height: 40' max.



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### LED PASSIVE INFRARED (PIR) OCCUPANCY/DAYLIGHT SENSOR

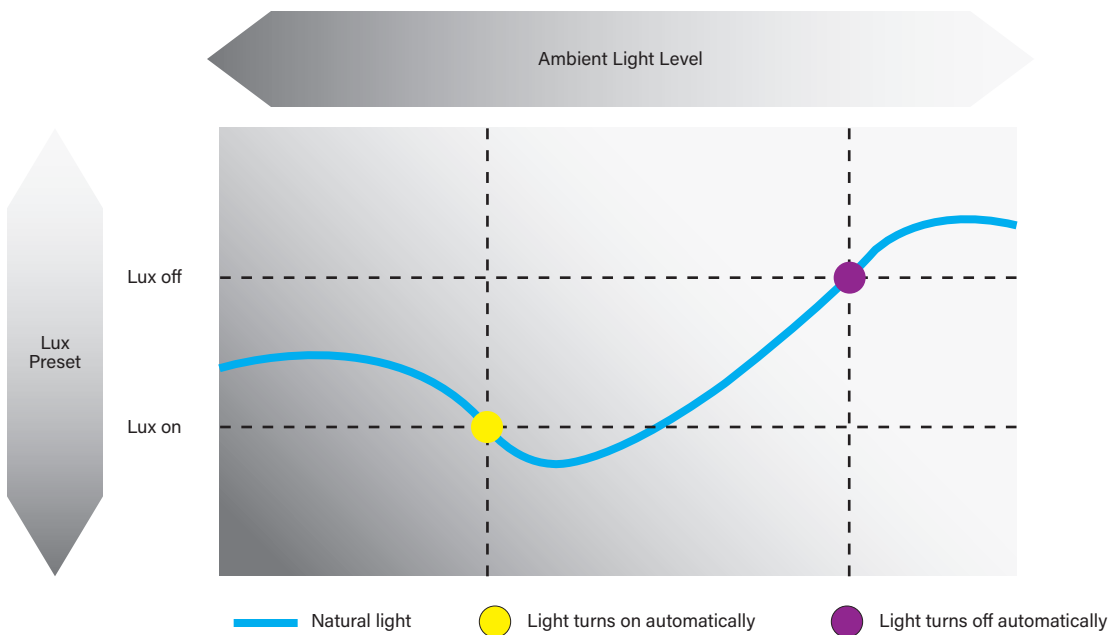
#### LUX ON/OFF SETTING

##### FUNCTION

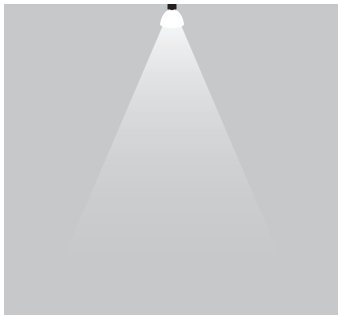
Partial discharge (PD) dual-technology differentiates artificial light brightness from natural light and automatically turns off light when ambient brightness exceeds preset lux level.

Lux-Off function preconditions:

- Stand-by period setting:  $\infty$
- Stand-by dimming level setting: 10%, 20%, 30%, or 50%
- Daylight threshold setting: 10 Lux, 30 Lux, 50 Lux, or 100 Lux



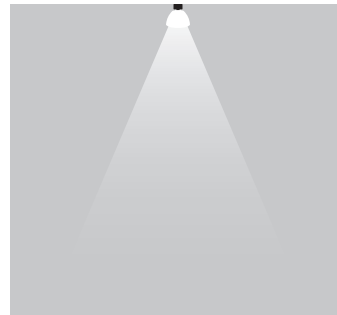
#### APPLICATION



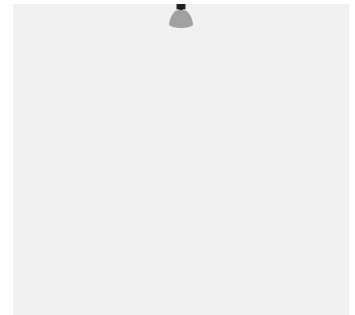
Light automatically on when ambient brightness is lower than preset lux level.



With insufficient ambient brightness, light dims to 100% when motion detected



Light dims to stand-by level if no motion is detected after hold time.



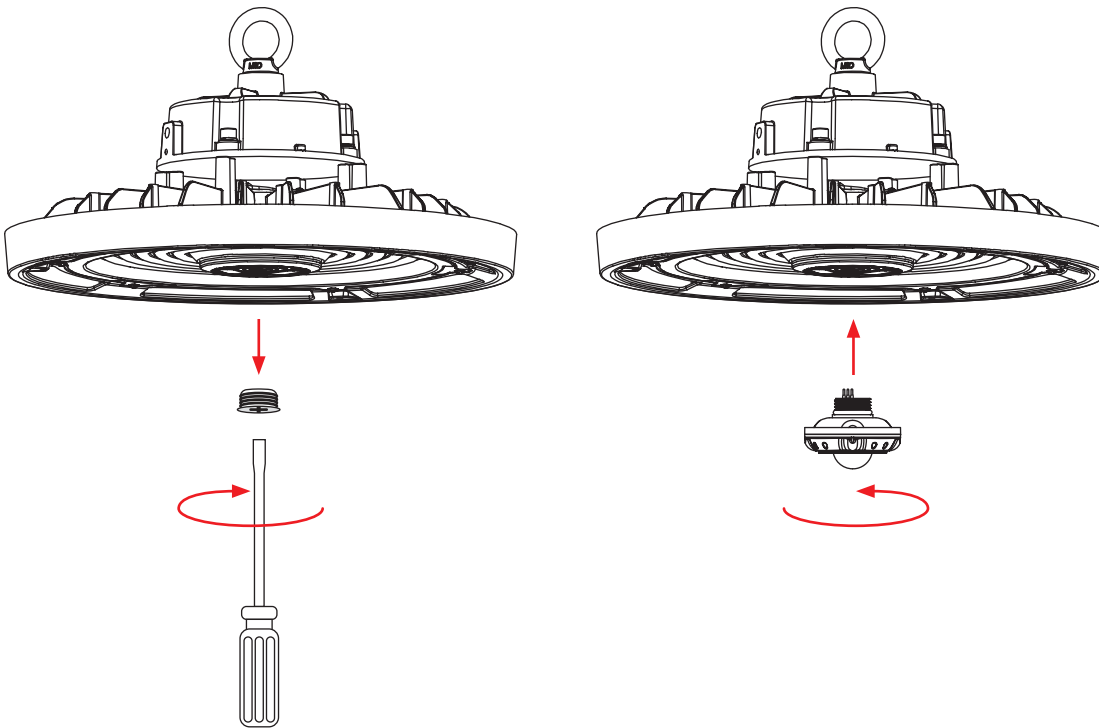
Light off when ambient lux level is higher than preset lux amount.

## KTS-PIR3-12V-PKO /G2/PS1

### LED PASSIVE INFRARED (PIR) OCCUPANCY/DAYLIGHT SENSOR

#### INSTALLATION

1. Ensure power is off to the fixture.
2. Remove 1/2" knock-out (KO) plug.
3. Screw in sensor head.  
(see illustrations below)



4. Re-connect power when ready.
5. Program desired settings as needed with Keystone Remote Control.

#### ACCESSORY (SOLD SEPARATELY)

##### REMOTE CONTROL

| Catalog Number        | Description                                                                                    | UPC          | EASY CODE |
|-----------------------|------------------------------------------------------------------------------------------------|--------------|-----------|
| KTS-MW3-REMOTECONTROL | Remote Control for KTS-PIR3-12V-PKO /X Sensors, Sets/adjusts all sensor performance parameters | 843654132020 | XSR-61    |





## KTS-PIR3-12V-PKO /G2/PS1

LED PASSIVE INFRARED (PIR) OCCUPANCY/DAYLIGHT SENSOR

### ORDERING INFORMATION

| ORDER CODE               | PACK QTY. | UPC          | EASY CODE |
|--------------------------|-----------|--------------|-----------|
| KTS-PIR3-12V-PKO /G2/PS1 | 1         | 843654164526 | SLG-55    |

### CATALOG NUMBER BREAKDOWN

# KTS-PIR3-12V-PKO /G2/PS1

1

2

3

4

5

6

7

- 1 Keystone Technologies Sensor
- 2 Passive Infrared Sensor Form Factor
- 3 Input Voltage—12V
- 4 Pin Connection
- 5 Knock Out
- 6 Generation 2
- 7 Program Setting 1