KEYSTONE | **XFiT**
SINCE 1945
LIGHT MADE EASY

KTS-PIR3-12V-PKO /G2
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 ± 2Vdc	
OUTPUT VOLTAGE: 0−10Vdc	
TRANSMIT POWER: < 0.5mW max.	

5 YEAR WARRANTY | TRUSTED WARRANTY NATIONAL LIGHTING BUREAU | 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: −30ºC/−22ºF to 60ºC/140ºF

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: 360° Wall mount: <120°	Ceiling mount: ø 46 ft max	70% 80% 90% 100%	10 sec 1 min 10 min 30 min	10 Lux 30 Lux 50 Lux 100 Lux Disable	1 min 30 min 60 min ∞	10% 20% 30% 50%

FACTORY PRESETS

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

STARTUP BEHAVIOR

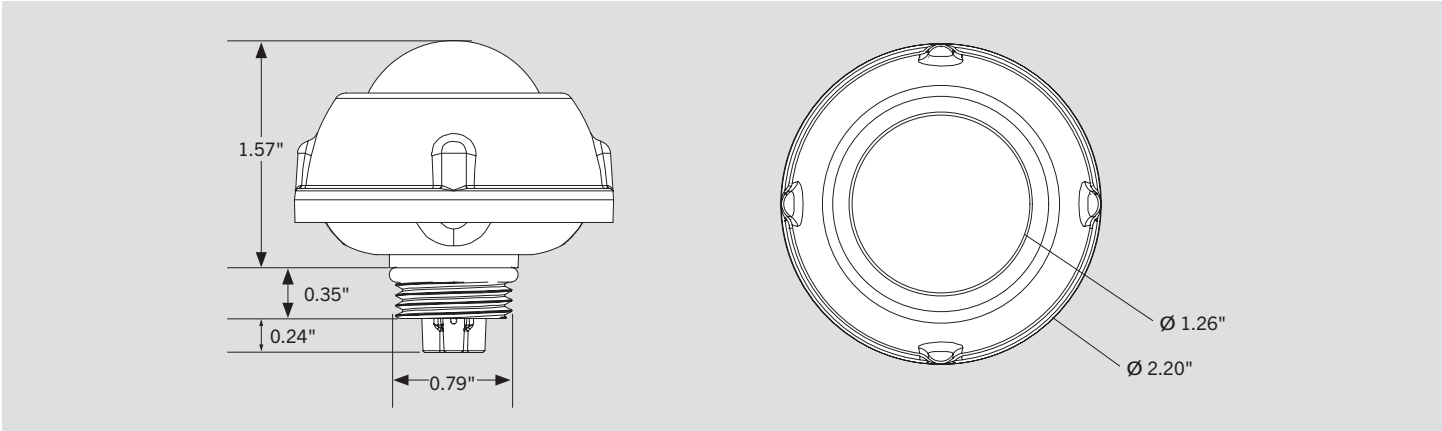When fixture power is applied, the below startup sequence occurs

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

KTS-PIR3-12V-PKO /G2
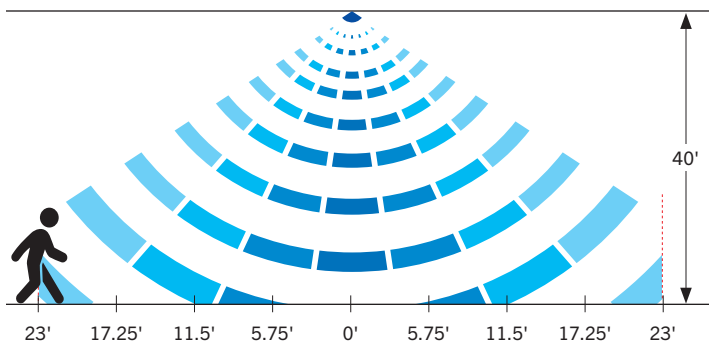## LED PASSIVE INFRARED (PIR) OCCUPANCY/DAYLIGHT SENSOR

PHYSICAL SPECIFICATIONS

1.57"
0.35"
0.24"
0.79"
Ø 1.26"
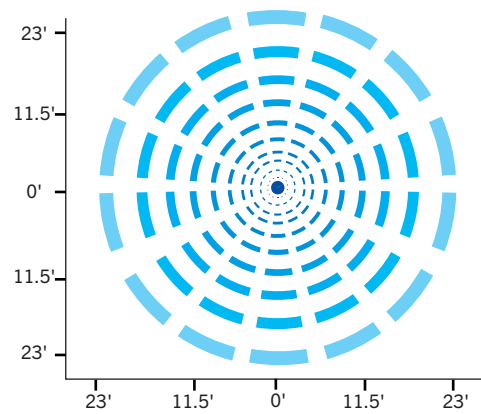Ø 2.20"

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.

40'

23'   17.25'   11.5'   5.75'   0'   5.75'   11.5'   17.25'   23'

23'
11.5'
0'
11.5'
23'

23'   11.5'   0'   11.5'   23'

KTS-PIR3-12V-PKO /G2
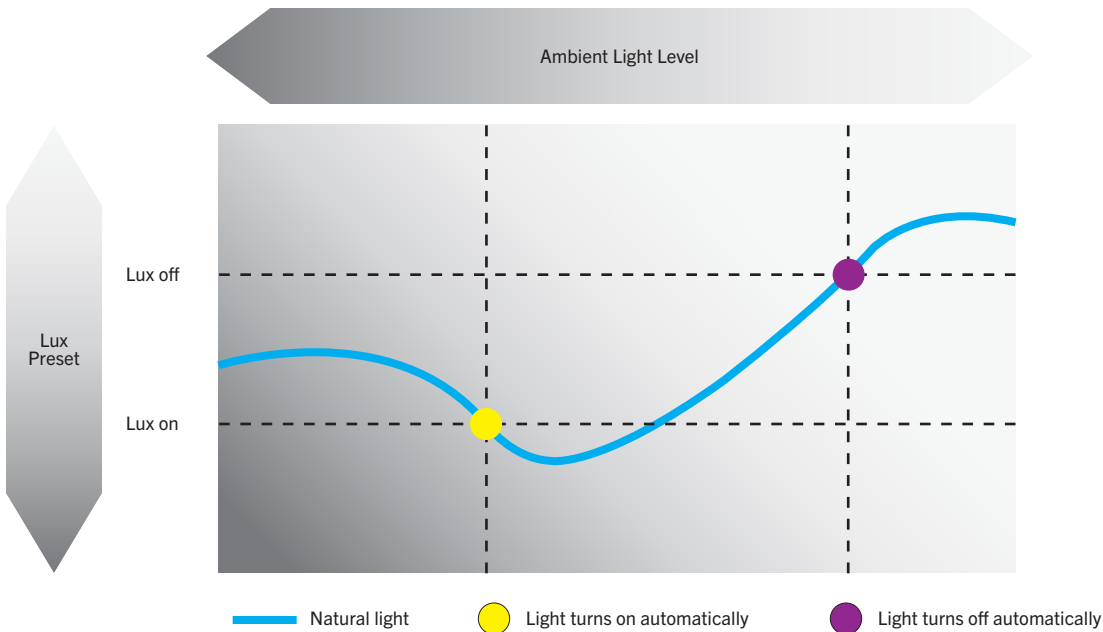## LED PASSIVE INFRARED (PIR) OCCUPANCY/DAYLIGHT SENSOR

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: ∞
• Stand-by dimming level setting: 10%, 20%, 30%, or 50%
• Daylight threshold setting: 10 Lux, 30 Lux, 50 Lux, or 100 Lux

Natural light • Light turns on automatically • Light turns off automatically
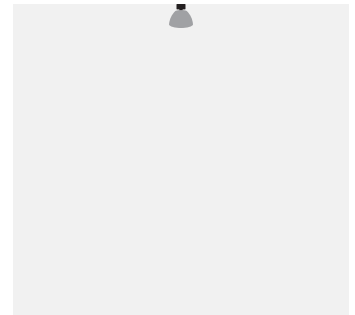
APPLICATION

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

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

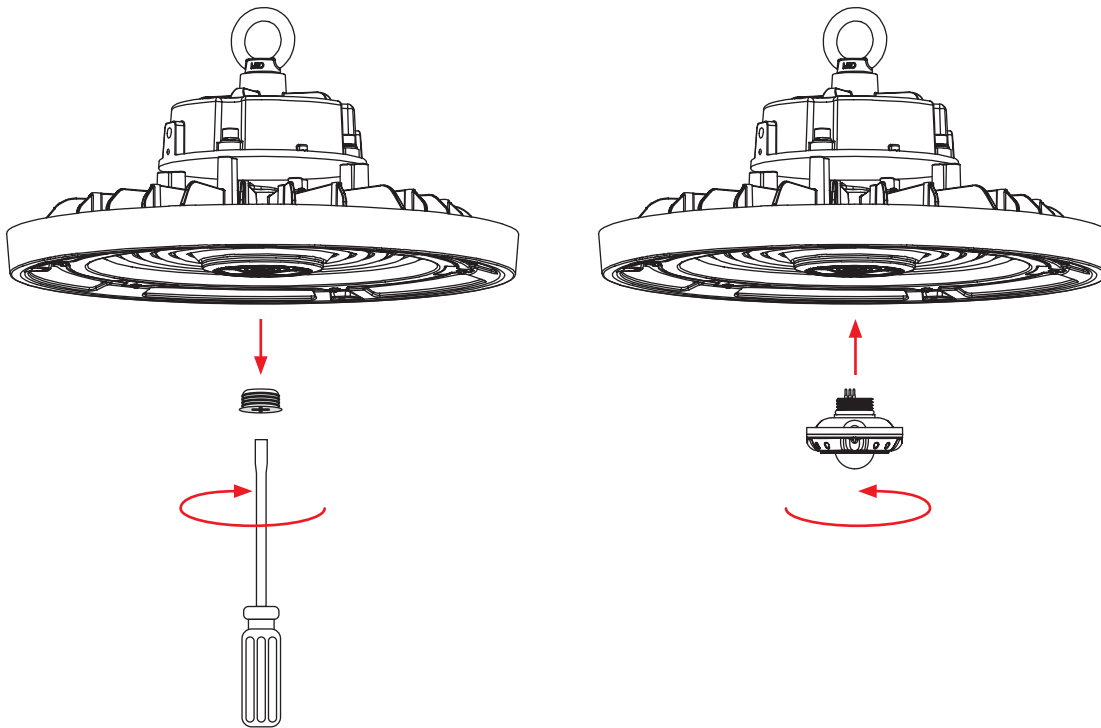Light dims to stand-by level if no motion is detected after hold time.

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

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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
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ORDERING INFORMATION

ORDER CODE	PACK QTY.	UPC	Easy Code
KTS-PIR3-12V-PKO /G2	1	843654146447	GLF-99

CATALOG NUMBER BREAKDOWN

KTS-PIR3-12V-PKO /G2
| 1 | 2 | 3 | 4 | 5 | 6 |

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