HID Replacement Lamp Accessories

Product Specifications



TCP offers a range of accessories for the HID Replacement Lamps that provide enhanced controls allowing customers to maximize the energy efficiency and cost savings of the HID Replacement Lamps. Accessories include motion sensors to turn on lamps when movement is detected, daylight sensors to prevent lamps from turning on based on natural light being present, and a dimming wire that can connect the lamps to an external dimming system.

Reasons to choose HID Replacement Lamp Accessories from TCP

- Using the HID Replacement Lamp Accessories will maximize energy efficiency and save money
- Create the optium amount of light by utlitizing the Stand By Power and Hold Time setting for the sensors
- Accessories work with TCP HID Replacement LED Corn Cobs, High Bay Lamps, and Area Lamps
- Accessories with a daylight threshold feature will turn the lamps off when enough natural light is present
- Sensor accessories that are equipped with motion sensing turn on lamps when motion is detected

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5 YEAR WARRANTY
*Based on 12 hours use per day

LHSIR001
PIR Motion Sensor

Ideal Applications: Corridors • Warehouses • Parking Lots • Show Rooms

When connected to the TCP HID Replacement Lamp, the sensor delivers motion detection. When motion is detected, the lamp's brightness will be switched to 100% for a preset Hold Time. When no motion is detected, the lamp's brightness will be switched to a preset Dim Level from 0 – 60%. If natural light is present, the lamp will turn off. The PIR Motion Sensor works with the TCP HID Corn Cobs, Area, and High Bay Lamps.

Features and Benefits

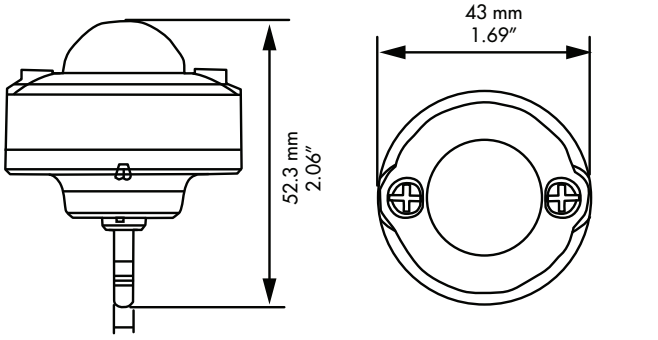
- Normal motion detecting
- Daylight threshold
- Step dimming



Specifications:

Voltage	15V DC ± 2V
Output Voltage	0-10V
Current	20mA
Sensing Angle	120° (Installation Vertically)
Detecting Range	Dia 10m / 33ft
Stand-By By Dim Level	0%/20%/40%/60%
Illuminance	300LUX
Operating Temperature	-20°C ~ + 35°C (4°F~ + 95°F)
Storage Temperature	20°C ~ + 40°C (-4°F~ + 104°F)
Hold Time Options	30S/90S/5Min/10Min
IP Rating	IP20
Warranty	5 Years

Dimensions:



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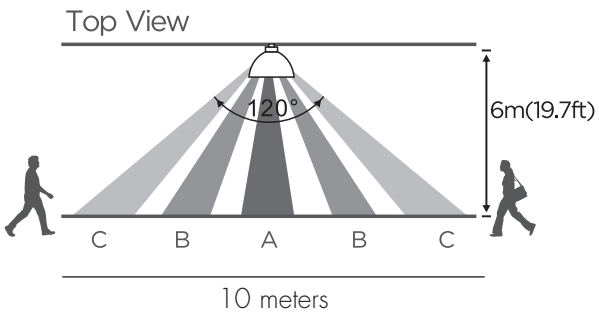
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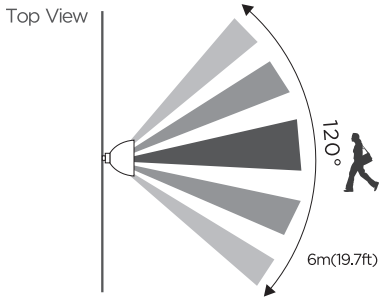
LHSIR001
PIR Motion Sensor

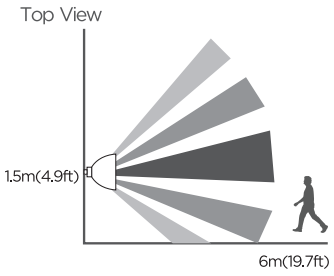
Mounting Options:

Ceiling Mount

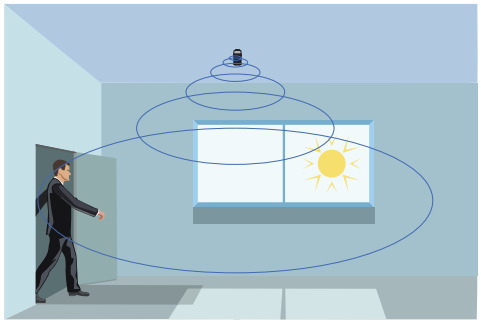


Wall Mount

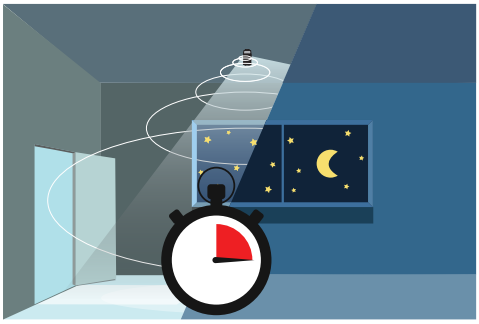




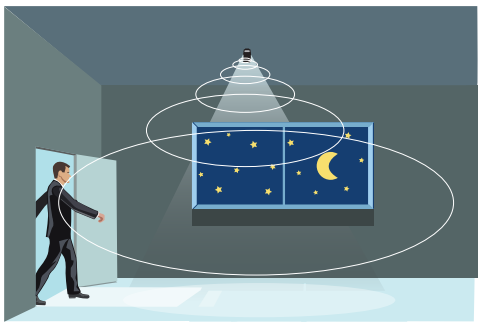
Operations:



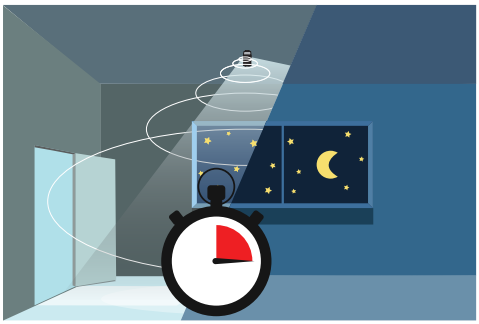
If natural light level > 300 lux, the lamp will turn off.



If natural light level < 300 lux, and no motion detected, lamp will set to Stand-By Dim Level.



If motion is detected, lamp will turn at 100% brightness.



If no motion detected and Hold Time has elapsed, lamp will set to Stand-By Dim Level.

Cautions

- Not suitable for enclosed fixtures
- Do not expose to water
- One sensor per lamp
- Turn off power to the lamp and set the brightness and hold time before installation
- Not intended for outdoor use

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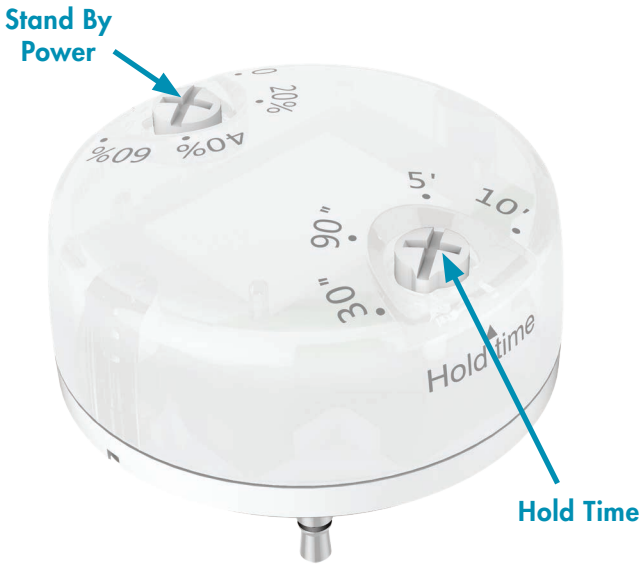
LHSMW001
Microwave Motion Sensor

Ideal Applications: Stairways • Warehouses • Indoor Parking Lots

When connected to the TCP HID Replacement Lamp, the sensor delivers motion detection through objects and walls. When motion is detected, the lamp brightness will be switched to 100% for a preset Hold Time. When no motion is detected, the lamp brightness will be switched to a preset Dim Level from 0 – 60%. The Microwave Motion Sensor works with the TCP HID Corn Cobs, Area, and High Bay Lamps.

Features and Benefits

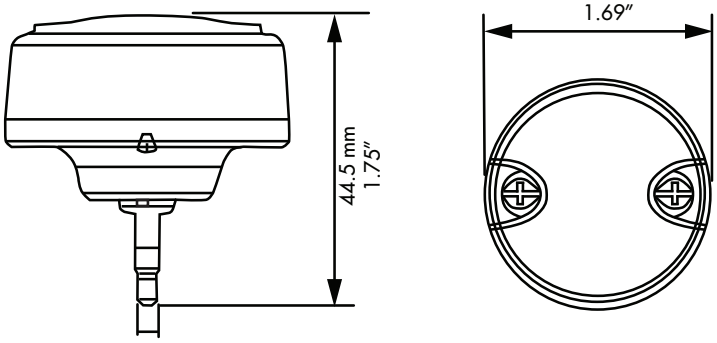
- Normal motion detecting
- Step dimming



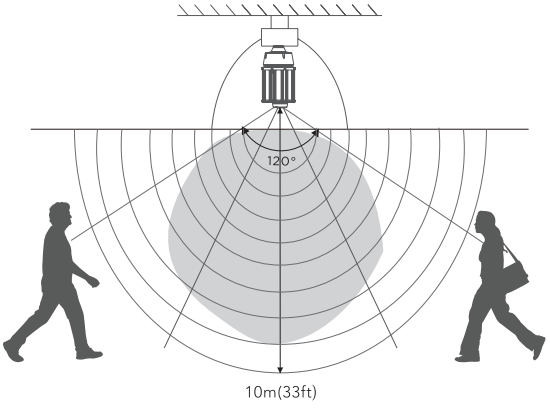
Specifications:

Frequency	5.8 GHz ± 75MHz
Voltage	15V DC ± 2V
Output Voltage	0-10V
Current	20mA
Sensing Angle	120° (Installation Vertically)
Detecting Range	Dia 10m
Standby Power Range	0% - 60%
Operating Temperature	-20°C ~ + 35°C (4°F~ + 95°F)
Storage Temperature	20°C ~ + 40°C (-4°F~ + 104°F)
IP Rating	IP20
Warranty	5 Years

Dimensions:



Signal Dectection Diagram:



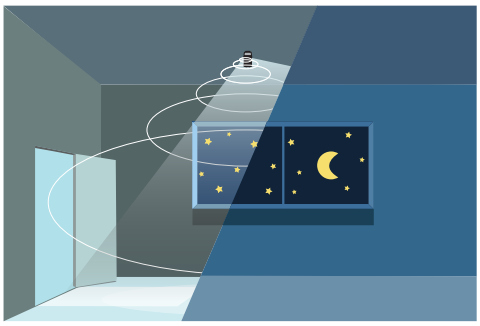
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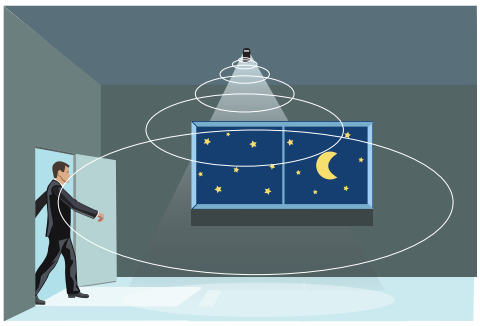
5 YEAR WARRANTY
*Based on 12 hours use per day

LHSMW001
Microwave Motion Sensor

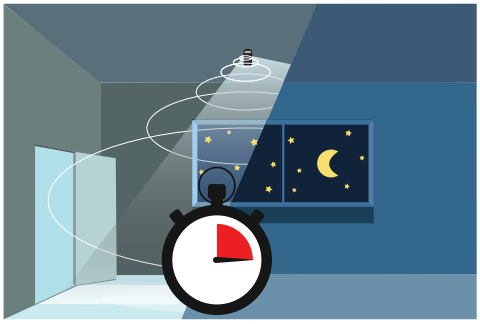
Operations:



With no motion detected, lamp will set to Stand-By Dim Level.



If motion is detected, lamp will turn at 100% brightness.



If no motion is detected and Hold Time has elapsed, lamp will set to Stand-By Dim Level.

Cautions

- Do not expose to water
- One sensor per lamp
- Turn off power to the lamp and set the brightness and hold time before installation
- Not intended for outdoor use

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LHSDL001
Daylight Sensor

Ideal Applications: Corridors • Indoor Parking Lots • Street Post

When connected to the TCP HID Replacement Lamp, the sensor provides natural light detection. When the natural light level is above the Lux setting, the lamp will turn off. When the natural light level is below the Lux setting, the lamp will turn on for the preset Hold Time. The Daylight Sensor works with the TCP HID Corn Cobs, Area, and High Bay Lamps.

Features and Benefits

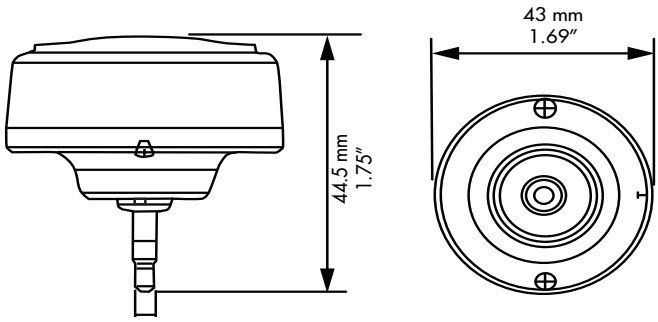
- Only identifies natural light
- Daylight threshold



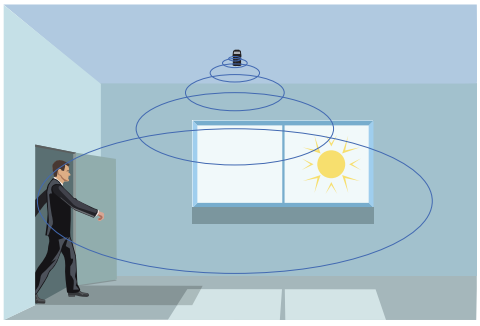
Specifications:

Voltage	15V DC ± 2V
Output Voltage	0-10V
Current	20mA
LUX Range	50,200, 500, 800
Hold Time	4 Hrs, 6 Hrs, 10 Hrs, ∞
Operating Temperature	-20°C – 60°C, -4°F –140°F
IP Rating	IP20
Warranty	5 Years

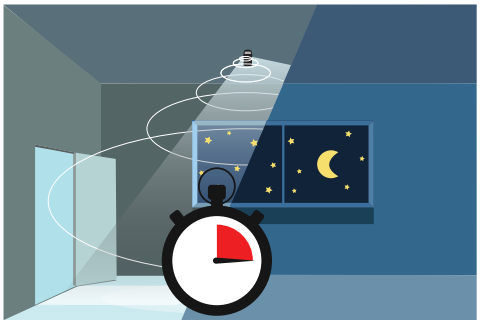
Dimensions:



Operations:



If the natural light level > Lux Range, the lamp will turn off.



If the natural light level < Lux Range, the lamp will turn on. The lamp will stay on until the Hold Time has elapsed.

Cautions

- Do not expose to water
- One sensor per lamp
- Turn off power to the lamp and set the brightness and hold time before installation

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LHDW001
3 in 1 Dimming Wire

The 3 in 1 Dimming Wire connects the TCP HID Replacement Lamps to an external dimming system. The TCP HID Replacement Lamps can use three types of external dimming systems to control the lamps: Resistance Dimming, 0-10V Dimming, or Pulse Width Modulation (PWM). The 3 in 1 Dimming Wire works with the TCP HID Corn Cobs, Area, and High Bay Lamps.

Features and Benefits

- Connect lamps to an external dimming system.

Specifications:

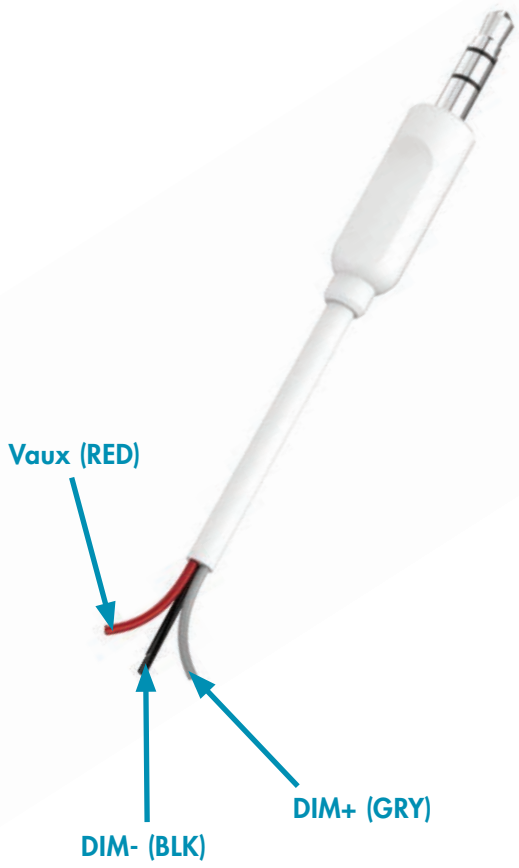
Length 4ft
Wire Gauge ..... 28 AWG

Wiring:

0 – 10V DIMMING WIRING
DIM+ (GRY) and DIM- (BLK)

PWM DIMMING WIRING
DIM+ (GRY) and DIM- (BLK)

RESISTANCE DIMMMING WIRING
DIM+ (GRY), DIM- (BLK), and Vaux (RED)



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HID Replacement Lamp Accessories

Accessory Installation Instructions

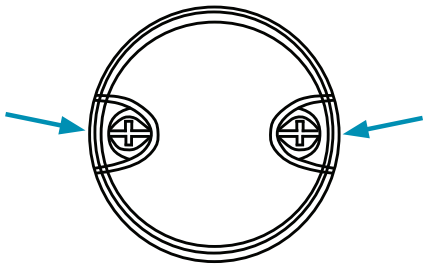
Sensor Installation

1. Turn off power to lamp

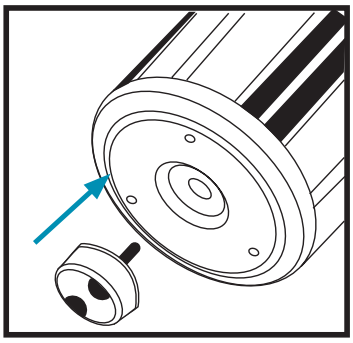


POWER OFF
TURN OFF POWER AT CIRCUIT BREAKER
to prevent risk of electric shock.

2. Change setting to sensor



3. Install to lamp



4. Turn on power to lamp



POWER ON
RESTORE POWER
at circuit breaker.

Dimming Wire Installation

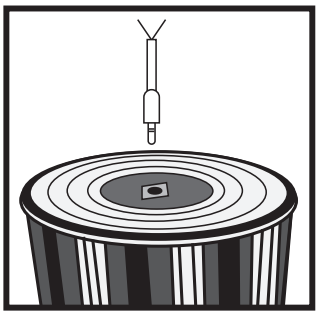
1. Turn off power to lamp



POWER OFF
TURN OFF POWER AT CIRCUIT BREAKER
to prevent risk of electric shock.

2. Connect 3 in 1 Dimming Wire to dimming system as per manufacturer's instruction

3. Install to lamp



4. Turn on power to lamp



POWER ON
RESTORE POWER
at circuit breaker.

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For over 20 years, TCP has been designing, developing and delivering energy-efficient lighting into the market. Thanks to our cutting-edge technology and manufacturing expertise, we have shipped billions of high quality lighting products. With TCP, you can count on a lighting product that is designed to meet the needs of the market - that transforms your surroundings and envelopes you in warmth - lighting that generates beauty with every flip of the switch.

Sales:	Catalog Number:
Date:	Type:
Model:	Notes:
Project:	
Rep:	

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