



## OCCUPANCY SENSORS

WITH SEVERAL OCCUPANCY SENSORS TO CHOOSE FROM, ESL VISION HAS A SOLUTION FOR YOUR APPLICATION. ESL VISION'S SENSOR LINE-UP RANGES FROM ECONOMIC MODELS WITH ON/OFF CAPABILITIES, TO MODELS WITH 0-10V DIMMING, WET RATED AND REMOTE CONTROL CAPABILITIES.



### ESL-10CC-HDO – OCCUPANCY SENSOR

Sensor Type: Passive Infrared (PIR)

Dimming: On/Off

Input Voltage: 120-277 VAC

Mounting Height: Up to 40ft

Load Requirements:

@120VAC : 800W

@277VAC : 1200W

@120VAC : 1/4hp

Operating Temperature: -40°F~167°F (-40°C~75°C)

Humidity: max.95% RH

Adjustable Time Delay: 10 Sec – 30 Min

Sensitivity Adjustments: 20%, 50%, 75%, 100%

Field of View: 360°

Detection Area (square footage): 2826 ft<sup>2</sup> (30' Radius@ 40' Height/360°)

Load Type: LED, Fluorescent, and Incandescent

Control: Dip Switch Only

Rated for Wet Locations: No

Dimensions (LxWxH) 3.2" x 3.2"x 1.7"

### ESL-20CC-HDD – OCCUPANCY SENSOR



Sensor Type: Microwave

Dimming: 0-10V, On/Off

Input Voltage: 120-277 VAC

Mounting Height: Up to 50ft

Load Requirements:

@120VAC : 800W

@277VAC : 1200W

@120VAC : 1/4hp

Operating Temperature: -40°F~158°F (-40°C~70°C)

Humidity: max.95% RH

Adjustable Time Delay: 10 Sec – 60 Min

Sensitivity Adjustments: 20%, 50%, 75%, 100%

Field of View: 360°

Detection Area (square footage): 2826 ft<sup>2</sup> (30' Radius@ 50' Height/360°)

Load Type: LED, Fluorescent, and Incandescent

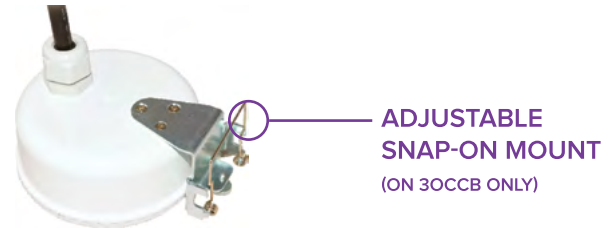
Control: Dip Switch and Remote

Rated for Wet Locations: No

Dimensions (LxWxH) 3.2" x 3.2"x 1.7"

## ESL-30CC & 30CCB – OCCUPANCY SENSOR

Sensor Type: Microwave  
 Dimming: 0-10V, On/Off  
 Input Voltage: 120-277 VAC  
 Mounting Height: Up to 50ft  
 Load Requirements:  
 @120VAC : 800W  
 @277VAC : 1200W  
 @120VAC : 1/4hp  
 Operating Temperature: -40°F~158°F (-40°C~70°C)  
 Humidity: max.95% RH  
 Adjustable Time Delay: 10 Sec – 60 Min  
 Sensitivity Adjustments: 20%, 50%, 75%, 100%  
 Field of View: 360°  
 Detection Area (square footage): 2155 ft<sup>2</sup> (26.2' Radius@ 50' Height/360°)  
 Load Type: LED, Fluorescent, and Incandescent  
 Control: Remote Only  
 Rated for Wet Locations: Yes  
 Dimensions (ØxH) 4.1" x 2.0"



## ESL-40CC-LDD – OCCUPANCY SENSOR

Sensor Type: Microwave  
 Dimming: 0-10V, On/Off  
 Input Voltage: 120-277 VAC  
 Mounting Height: Up to 20ft  
 Load Requirements:  
 @120VAC : 800W  
 @277VAC : 1200W  
 @120VAC : 1/4hp  
 Operating Temperature: -40°F~158°F (-40°C~70°C)  
 Humidity: max.95% RH  
 Adjustable Time Delay: 10 Sec – 60 Min  
 Sensitivity Adjustments: 20%, 50%, 75%, 100%  
 Field of View: 360°  
 Detection Area (square footage): 2123 ft<sup>2</sup> (26' Radius@ 20' Height/360°)  
 Load Type: LED, Fluorescent, and Incandescent  
 Control: Dip Switch and Remote  
 Rated for Wet Locations: No  
 Dimensions (LxWxH) 4.17" x 1.61"x 1.46"



## ESL-80CC-ODD-LV – OCCUPANCY SENSOR

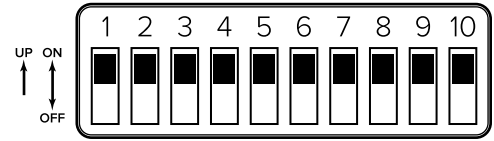
Sensor Type: PIR  
 Dimming: 0-10V, On/Off  
 Input Voltage: 6-24 VDC  
 Mounting Height: Up to 40ft  
 Operating Temperature: -40°F~167°F (-40°C~75°C)  
 Humidity: max.95% RH  
 Adjustable Time Delay: 10 Sec – 60 Min  
 Sensitivity Adjustments: 20%, 50%, 75%, 100%  
 Field of View: 360°  
 Detection Area (square footage): 2826 ft<sup>2</sup> (30' Radius@ 40' Height/360°)  
 Load Type: LED, Fluorescent, and Incandescent  
 Control: Dip Switch and Remote  
 Rated for Wet Locations: Yes\*  
 Dimensions (ØxH) 2.0" x 1.4"



\*when installed on a fixture rated for wet locations per installation instructions

## SETTING DIP SWITCH PARAMETERS

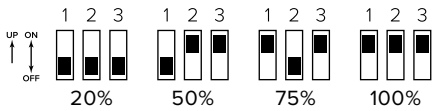
THE 10CC, 20CC, 40CC AND 80CC EACH HAVE A PROGRAMMABLE DIP SWITCH TO CUSTOMIZE THE FUNCTIONALITY OF THE FIXTURE. THE REM-100 REMOTE CAN BE USED FOR MORE DETAILED CUSTOMIZATION AND WILL OVERRIDE THE DIP SWITCH.



### 10CC

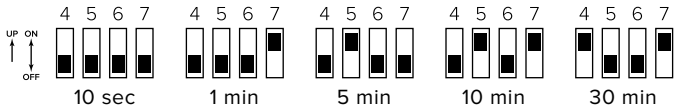
#### SENSITIVITY

Determines how reactive the sensor will be to movement. Range and sensitivity will vary based upon the sensor.



#### HOLD TIME

The duration that the light will remain on without detecting movement before dimming or turning off.



#### DAYLIGHT SENSOR

Uses the photocell to adjust the LED output in conjunction with the ambient light for consistent lighting regardless of environmental changes.



### INFRARED REMOTE

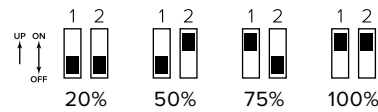
The **ESL-REM-100 INFRARED REMOTE** offers a variety of programming options for fixtures using occupancy sensors; including motion detection, daylight sensing and timed settings. Settings made with the remote will override the dip switch settings. Use the remote to easily turn fixtures on and off, eliminating the need to wire additional wall switches with new fixtures.



### 20CC | 40CC | 80CC

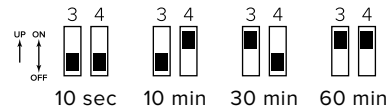
#### SENSITIVITY

Determines how reactive the sensor will be to movement. Range and sensitivity will vary based upon the sensor.



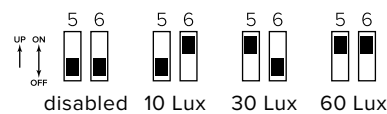
#### HOLD TIME

The duration that the light will remain on without detecting movement before dimming or turning off.



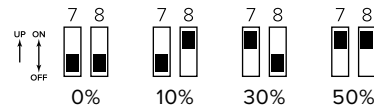
#### DAYLIGHT SENSOR

Uses the photocell to adjust the LED output in conjunction with the ambient light for consistent lighting regardless of environmental changes.



#### STAND-BY DIM

Sets the maximum lumens to be used when there is no activity detected. A setting of 0% will keep the light from dimming.



#### STAND-BY TIME

Determines how long the light will remain at the dimming level before shutting off completely.



## RECEPTACLE USE

### MULTIPLE PHOTOCELL AND RECEPTACLE OPTIONS

ESL VISION OFFERS THREE RECEPTACLE OPTIONS:

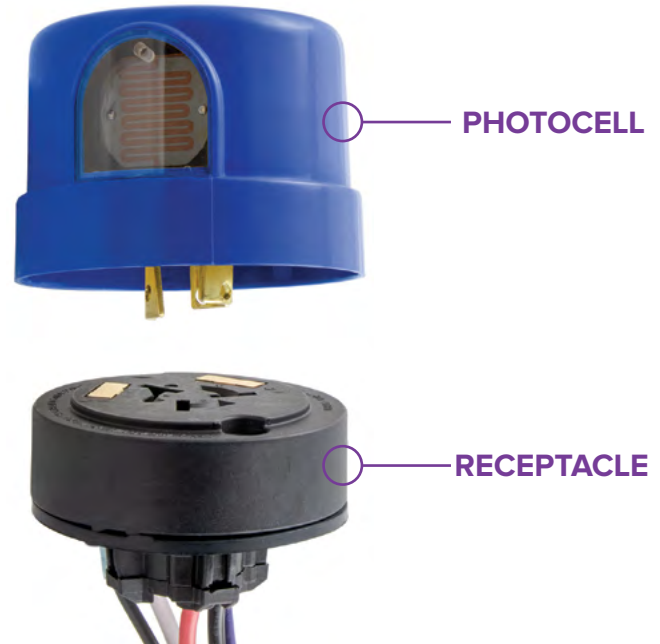
3-PIN FOR SIMPLE ON/OFF CONTROL

5-PIN FOR 0-10V DIMMING OPTIONS

7-PIN FOR 0-10V DIMMING AND FUTURE  
PROOFING CAPABILITIES

STANDARD ON/OFF 120-277 VAC AND 347-530 AC  
PHOTOCELLS AS WELL AS SHORTING CAPS FOR  
FUTURE EXPANSION ARE AVAILABLE.

NO MATTER WHAT YOUR INSTALLATION AND  
APPLICATION REQUIREMENTS ARE, ESL VISION HAS  
A SOLUTION FOR YOUR LIGHTING NEEDS.



## ACCESSORIES

### PHOTOCELLS



#### ESL-PCOF – ON/OFF PHOTOCELL

Working Voltage: 120-277 VAC  
 Rated Load: 1000W Tungsten, 1800VA Ballast  
 Power Consumption: 0.5W (10 Amp)  
 On/Off Level: 16 Lux On / 24 Lux Off  
 Ambient Temperature: -40 ~ 158°F(-40 ~ 70°C)  
 Related Humidity: 99%  
 Dimensions (ØxH): 3.3" x 2.6"  
 Weight (lbs): 0.24 lbs



#### ESL-PCOFHV – ON/OFF PHOTOCELL

Working Voltage: HV - 347-530 VAC  
 Rated Load: 1000W Tungsten, 1800VA Ballast  
 Power Consumption: 0.9W (20 Amp)  
 On/Off Level: 16 Lux On / 24 Lux Off  
 Ambient Temperature: -40 ~ 149°F(-40 ~ 65°C)  
 Related Humidity: 96%  
 Dimensions (ØxH): 2.93" x 1.98"  
 Weight (lbs): 0.28 lbs



#### ESL-WP-PC – BUTTON PHOTOCELL

Power: 2 Watts  
 Working Voltage: 120-277 VAC  
 Rated Frequency: 50/60Hz  
 Rated Load: 500W Tungsten, 850VA Ballast, 5A E-Ballast  
 Operating Level: 10~20Lux On, 30~80Lux Off  
 Operating Temperature: -40°F ~ 158°F  
 Dimensions (LxWxH): 2.14" x 1.14" x 1.73"



WHEN CHOOSING A PHOTOCELL RECEPTACLE IT IS IMPORTANT TO NOTE THE CURRENT AND POTENTIAL APPLICATION OF THE FIXTURE. ESL VISION'S RECEPTACLES PROVIDE A SOLUTION TO MATCH YOUR SPECIFIC DIMMING SCENARIO, WITH AN OPTION THAT EVEN ALLOWS FOR FUTURE TECHNOLOGY TO BE APPLIED.

## RECEPTACLE

### ESL-RPC3 – 3 PIN TWIST-LOCK RECEPTACLE

Working Voltage: 480 VAC Max  
 Load Capacity: 15 Amp Max  
 Dimming: On/Off  
 Rated Frequency: 50/60Hz  
 Ambient Temperature: -40 ~ 158°F(-40 ~ 70°C)  
 Lead Gauge: AWG#14  
 Lead Length: 12"  
 Dimensions (ØxH): 2.56" x 1.18"  
 Weight (lbs): 0.185 lbs  
 \*Comes factory installed when ordered with a fixture



### ESL-RPC5 – 5 PIN TWIST-LOCK RECEPTACLE

Working Voltage: 480 VAC Max  
 Load Capacity: 15 Amp Max  
 Dimming: 0-10V, On/Off  
 Rated Frequency: 50/60Hz  
 Ambient Temperature: -40 ~ 158°F(-40 ~ 70°C)  
 Lead Gauge: AWG#14  
 Lead Length: 12"  
 Dimensions (ØxH): 2.56" x 1.38"  
 Weight (lbs): 0.25 lbs  
 \*Comes factory installed when ordered with a fixture



### ESL-RPC7 – 7 PIN TWIST-LOCK RECEPTACLE

Working Voltage: 480 VAC Max  
 Load Capacity: 15 Amp Max  
 Dimming: 0-10V, On/Off, Future-proofing  
 Rated Frequency: 50/60Hz  
 Ambient Temperature: -40 ~ 158°F(-40 ~ 70°C)  
 Lead Gauge: AWG#14  
 Lead Length: 12"  
 Dimensions (ØxH): 2.56" x 1.38"  
 Weight (lbs): 0.26 lbs  
 \*Comes factory installed when ordered with a fixture



## CAPS

### ESL-PCSC – SHORTING CAP

Working Voltage: 480 VAC Max  
 Ambient Temperature: -40 ~ 158°F(-40 ~ 70°C)  
 Dimensions (ØxH): 2.9" x 2"  
 Weight (lbs): 0.22 lbs





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**Questions or Comments**  
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