

**CPA SERIES SELECTABLE GARAGE LIGHT**

Client:  
 Project:  
 Type:  
 Quantity:

**CONSTRUCTION**

Rugged die-cast aluminum housing with corrosion resistant powder coat finish both protects and provides architectural appearance.  
 Heat dissipating fins provide superior thermal performance extending the life of the luminaire.  
 Feed-through wiring ready, 1/2" NPT threading with water tight cap.

**OPTICS**

Type V Distribution  
 Lightly diffused lens for reduced LED pixelation and glare.

**ELECTRICAL**

80+ CRI Lumileds LED.  
 -40°C up to 40°C (-40°F up to 104°F) maximum operating temperature  
 160,000 hr at L70 @ 25°C, 155,000 hr at L70 40°C.  
 Driver operates at 120-277V input, 50/60Hz, 1-10V dimming driver standard. Option to have dimming leads pulled out for easy connection.  
 <20% THD, 0.9 power factor.  
 Optional 10kV surge protector.  
 Optional Emergency Backup Battery.\*

**SENSORS (OPTIONAL)**

SENSOR-PH-PB-U Integral Button Style Photocell.  
 SENSOR-ANT-7D Integral Microwave Motion/on/off/dimming/photosensing.  
 SENSOR-BLE-7D Integral Microwave Bluetooth Bi-Level Dimming Sensor.  
 CONTROL-BLE-SK104-PH ALS Control Bluetooth Fixture Controller.  
 CONTROL-LVFA AVI-ON Bluetooth Mesh Controller.

**MOUNTING**

3/4" conduit entry on top for pendant mount  
 1/2" conduit entry on three sides  
 Surface Mount plate for mounting on 3" - 4" electrical box

**STANDARD FINISH**

Corrosion resistant Dark Bronze and White powder coating finish.

**CUSTOM FINISH**

Corrosion resistant Black, Graphite Metallic, Gray, Silver, or custom RAL#.

**CERTIFICATION**

IP66 Wet location label standard.  
 Meets Buy America Act requirements.  
 All luminaires are built to UL1598 standards and bear appropriate cULus labels.  
 For Emergency application, equipment with UL924 certified battery packs.

**WARRANTY**

5 year warranty, see Limited Warranty for additional information.



Dark Bronze Finish



White Finish

**SHIPPING DATA**

Product	Measurement	Weight
CPA-60	11"L x 11"W x 4"H	5.6 lb
CPA-110	13"L x 13"W x 4"H	6.5 lb



**CPA SERIES SELECTABLE GARAGE LIGHT**

**ORDER INFORMATION** **EXAMPLE : CPA 60SC PL DB UD**

Fixture	Series	Power & LM	CCT	Distribution	Mounting	Finish	Input
	<b>CPA</b>		<b>SC</b>	<b>PL</b>	<b>JM</b>		

**A SERIES**

CPA Garage Light Selectable

**B POWER & LM**

Code	Power	LM
60	Field Selectable 24 / 36 / 47 / 60W	8,000lm
110	Field Selectable 41 / 63 / 85 / 110W	16,000lm

**C CCT**

SC Field Selectable 3000 / 4000 / 5000K

**D DISTRIBUTION**

PL Prismatic Lens

**E MOUNTING**

JM Surface Mount (3/4" conduit entry on top)

**F FINISH**

Standard							
<b>DB</b>	Dark Bronze		<b>WH</b>	White			
Custom Color							
<b>CC</b>	<b>BK</b>	Black	<b>GM</b>	Graphite Metallic	<b>GR</b>	Gray	
	<b>SV</b>	Silver	<b>RAL#</b>				

**G INPUT**

U 110-277V  
 UD 110-277V, 0-10V Dimmable

## CPA SERIES SELECTABLE GARAGE LIGHT

### ORDER INFORMATION (CONTINUED)

Accessories

Options

#### **H** ACCESSORIES/OPTIONS

<b>BAA</b>	Assembled in America, compliant with BAA (COTS)
<b>BABAA</b>	Build America, Buy America Act (BABAA) Compliant
<b>EMB-CPBOX-8W-MST**</b>	External battery enclosure with 8W Emergency Battery
<b>SENSOR-PH-PB-U*</b>	Button Style Photocell
<b>SENSOR-ANT-7D*</b>	Integral Microwave Motion/on/off/dimming/photosensing
<b>SENSOR-BLE-7D*</b>	Integral Microwave Bluetooth Bi-Level Dimming Sensor
<b>CONTROL-BLE-SK104-PH*</b>	Integral Bluetooth Fixture Controller w/Button Photocell (ALS Control Mobile App)
<b>CONTROL-LVFA*</b>	AVI-ON Bluetooth Mesh Control System
<b>SURGE-LSP4-U</b>	10kV inline Surge Protection for Universal input
<b>REMOTE-RC100</b>	Handheld Remote Commissioning Tool for SENSOR-819-D1/D2 Only, ANT Series

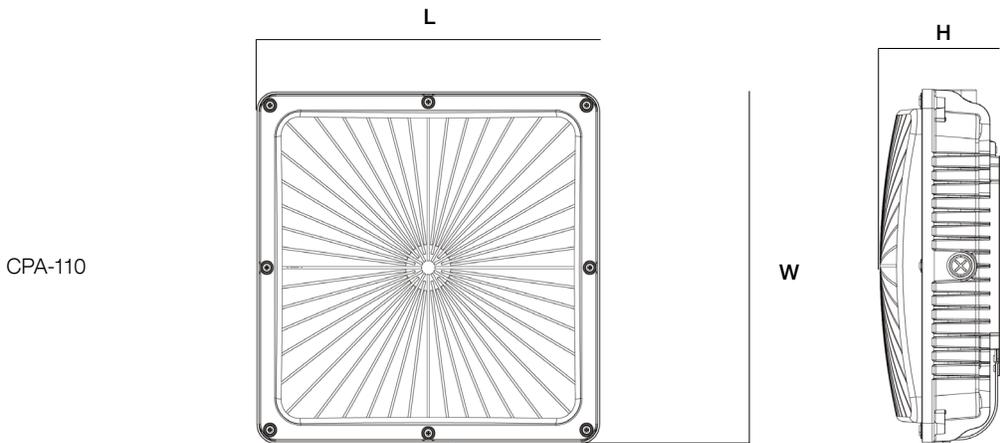
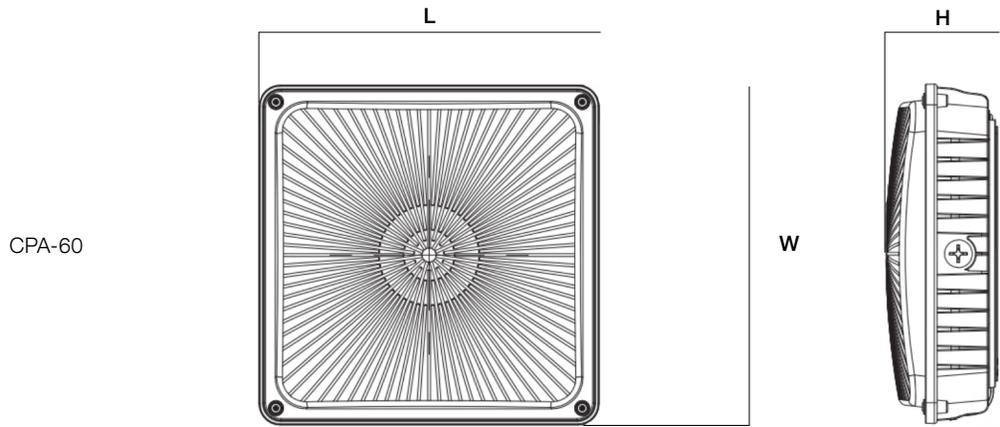
\*see page 7 for sensor spec

\*\*see page 8 for emb spec

**CPA SERIES SELECTABLE GARAGE LIGHT**

**DIMENSIONS**

Power	L	W	H
CPA-60	9.57" (243mm)	9.57" (243mm)	3.07" (78mm)
CPA-110	11.52" (293mm)	11.52" (293mm)	3.80" (97mm)



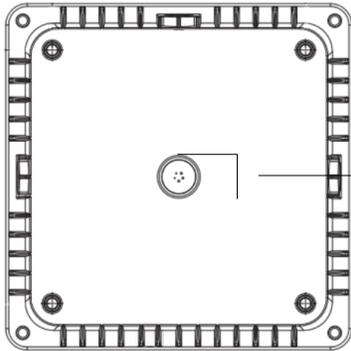
**CPA SERIES SELECTABLE GARAGE LIGHT**

**DIMENSIONS**

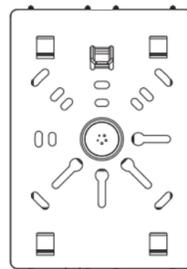
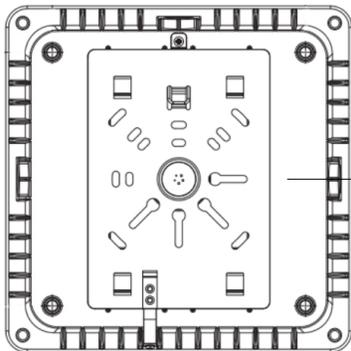
	L	W	H
EMB-CPBOX-8W-MST	6.4" (163mm)	6.4" (163mm)	2.73" (69mm)



**MOUNTING OPTIONS**



3/4" conduit entry on top for pendant mount



Surface Mount Plate  
 For direct mounting with electrical box

**CPA SERIES SELECTABLE GARAGE LIGHT**

**PERFORMANCE DATA**

MODEL	VOLTAGE	WATTAGE	3000K		4000K		5000K		QTY ON PALLET
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW	
CPA-60	120-277V	24W	3700	154	4000	167	3800	158	180
	120-277V	36W	5200	144	5600	156	5300	147	180
	120-277V	47W	6500	138	7000	149	6600	140	180
	120-277V	60W	7800	130	8400	140	8000	133	180
CPA-110	120-277V	41W	6800	166	7200	176	7000	171	144
	120-277V	63W	9800	156	10500	167	10000	159	144
	120-277V	85W	12800	151	13600	160	13000	153	144
	120-277V	110W	15500	141	16500	150	16000	145	144

**DLC CODE**

Part Number	DLC Product ID	DLC Class
CPA-60SC-XX-UD	S-CYFP7D	Premium
CPA-110SC-XX-UD	S-WCQVN1	Premium

**CPA SERIES SELECTABLE GARAGE LIGHT**

**SENSOR SPEC**

Model	Type	Mounting	Coverage	Input	Function	Programmable
SENSOR-PH-PB-U	-	-	-	Universal	Dusk-to-Dawn Control	-
CONTROL-LVFA (see page 9 for detail)	Fixture Controller	-	-	12V DC	Bluetooth Mesh On/Off/Dimming Scheduling	AVI-ON Bluetooth Mobile App
CONTROL-BLE-SK104-PH (see page 10 for detail)	Fixture Controller	-	-	12V DC	Bluetooth Mesh On/Off/Dimming Scheduling CCT Tuning	ALS Control Bluetooth Mobile App
SENSOR-BLE-7D (see page 12 for detail)	Microwave	up to 12FT	17FT radius	10V DC	Bluetooth Mesh Bi-Level Dimming Motion	ALS Control Bluetooth Mobile App
SENSOR-ANT-7D (see page 13 for detail)	Microwave	up to 12FT	17FT radius	10V DC	On/Off/Dimming Motion Daylight Sensing	REMOTE-RC100



SENSOR-PH-PB-U



CONTROL-LVFA



CONTROL-BLE-SK104-PH

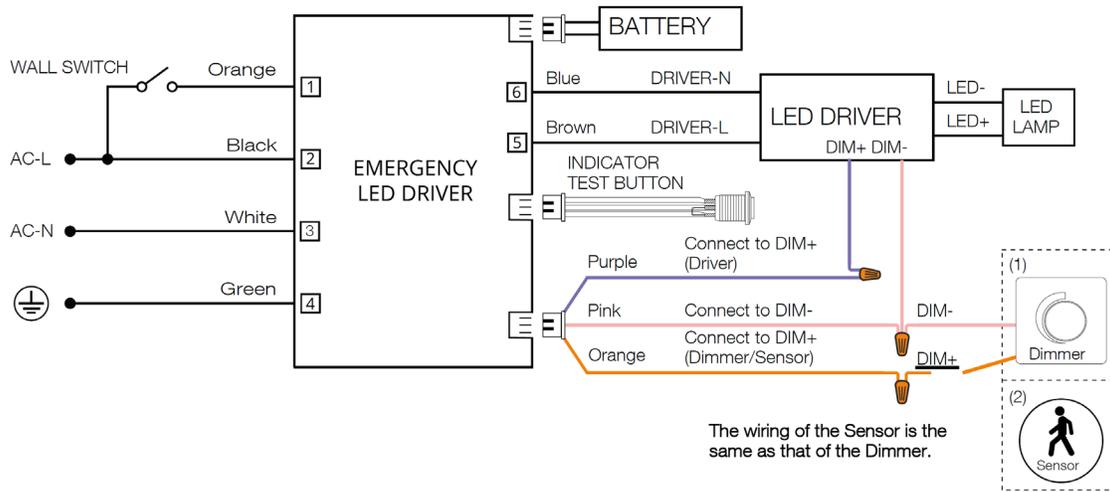


SENSOR-ANT-7D  
 SENSOR-BLE-7D

**CPA SERIES SELECTABLE GARAGE LIGHT**

**EMB SPEC**

Model	Battery Capacity	Input	Output	Output Power	Operating Temp	Installation
EMB-CPBOX-8W-MST	90mins	100-347VAC	170VDC	8W	0°C ~ 50°C 32°F ~ 122°F	Field Install Factory Install



**CPA SERIES SELECTABLE GARAGE LIGHT**

**CONTROL-LVFA SPEC**

**Status LEDs & Config Button**

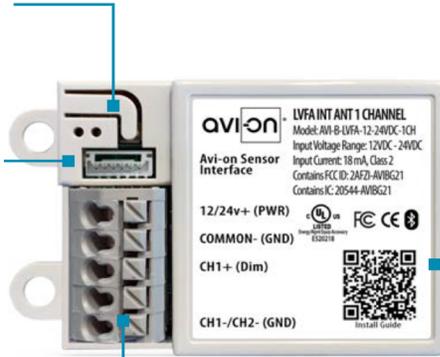
Quick and easy validation of wiring and network

**Direct Connect™ Sensor Port**

Simple and cost-effective addition to Avi-on sensors

**Terminal Blocks & Mounting Tabs**

Faster, easier and lower cost installation eliminating connectors



**Internal Antenna**

Improved performance and eliminates risk of accidentally cutting a hanging wire

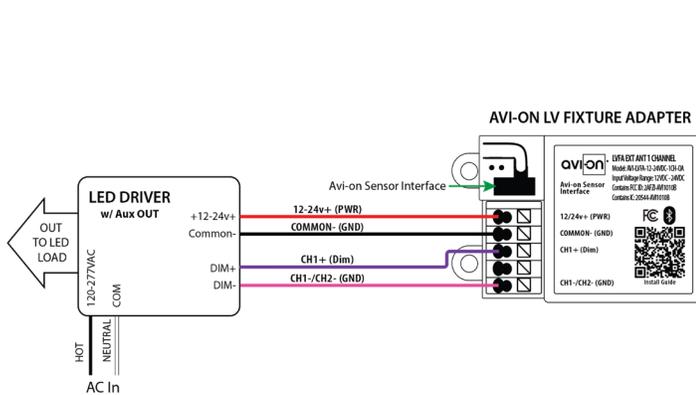
**SPECIFICATIONS**

**INPUT VOLTAGE:** 12-24VDC  
**CURRENT:** 15mA without a Sensor  
 19mA with a DC PIR Sensor  
 48mA with a DC Microwave Sensor  
**0-10V DIMMING:** 12-24VDC  
**SIZE:** 2.30in x 1.43in x 0.75in  
 (58.2mm x 36.4mm x 19mm)  
**MOUNTING:** Removable mounting tabs  
**WEIGHT:** 0.45 oz (16g)  
**OPERATING TEMP:** -22°F to +158°F (-30°C to + 70°C)

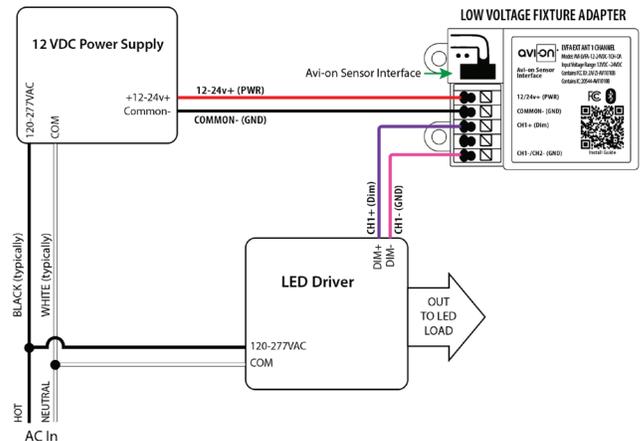
**RADIO FREQUENCY:** 2.4GHz  
**WIRELESS STANDARD:** BLE 4.2 with Mesh  
**POINT TO POINT RANGE\*:** 80ft with obstructions  
 350ft unobstructed  
**SECURITY:** AES 128-bit encryption for device to device communication  
 AES 256-bit encryption for device to cloud communication  
**WARRANTY:** 5 years; 10 years optional  
**REGULATORY:** FCC: 2AFZI-AVI1010 B  
 IC: 20544-AVI1010 B  
 BQB: D031801, DID: 86303  
 UL 916, 2043 (Plenum Rated)

\*When communicating through the mesh, range is essentially unlimited (5000ft+)

**WIRING DIAGRAM**



Fixture adapter powered by LED driver auxiliary output



Fixture adapter connected to LED driver and using power supply

### FEATURE

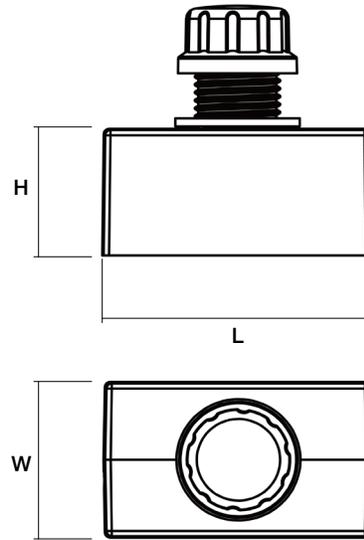
- **Installation:** Factory / Jobsite install through 1/2" knockout hole, 12V AUX power required
- **Commissioning:** Wirelessly through ALS Control Mobile App (iOS / Android)
- **Certification:** DLC 5.1 Networked Lighting Control System
- **Control:** High-End Trim, Zoning, Continuous Bi-level Dimming
- **CCT Tuning:** CCT Tuning feature for Dual/Multi-CCT LED board fixture only
- **Sensor:** Photocell
- **Zone Control:** Zoning and Grouping control, Scheduling



### SPECIFICATIONS

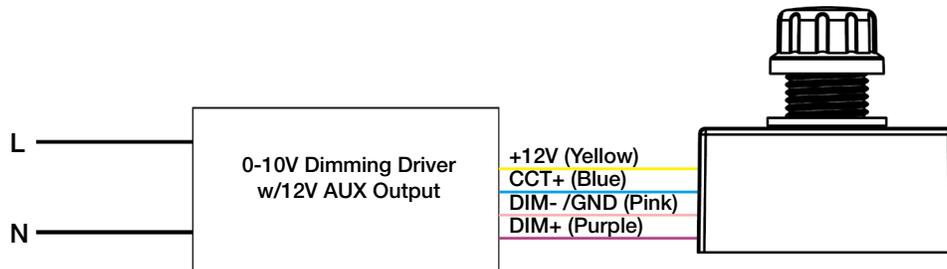
<b>SENSOR TYPE:</b>	Photocell
<b>WIRELESS STANDARDS:</b>	5.0 Bluetooth Mesh
<b>INPUT VOLTAGE:</b>	12-14VDC, >50mA
<b>CONTROL OUTPUT:</b>	0-10V
<b>OPERATING TEMP:</b>	-40°F ~ +158°F (-40°C ~ +70°C)
<b>COMMISSIONING RANGE:</b>	50FT
<b>BLUETOOTH RANGE:</b>	100FT
<b>DETECTION ANGLE:</b>	360°
<b>WARRANTY:</b>	5 years
<b>IP RATING:</b>	IP65

### DIMENSIONS



L	H	W
1.14" (29mm)	0.94" (24mm)	1.97" (50mm)

### WIRING DIAGRAM



**FEATURE**

- **Installation:** Factory or Field Install End Mount to Fixture
- **Commissioning:** Wirelessly through ALS Control Mobile App (iOS / Android)
- **Certification:** DLC 5.1 Networked Lighting Control System
- **Control:** Hold time, High-Low setting, continuous Bi-level dimming, Code-compliant manual-on or auto-off capability
- **Sensor:** Motion (Occupancy/Vacancy/Manual) and Daylight Harvesting
- **Room and Zone Control:** Zoning and Grouping control, Scheduling

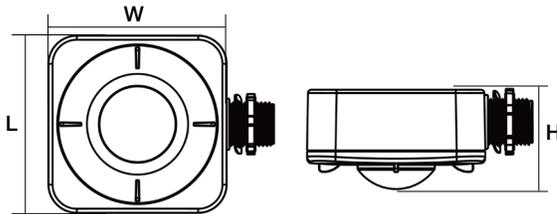


**SPECIFICATIONS**

**SENSOR TYPE:** Passive Infrared Sensor (PIR)  
**WIRELESS STANDARDS:** Bluetooth SIG Mesh  
**INPUT VOLTAGE:** 120/277VAC  
**CONTROL OUTPUT:** 0-10V  
**OPERATING TEMP:** -40°F ~ +167°F (-40°C ~ +75°C)

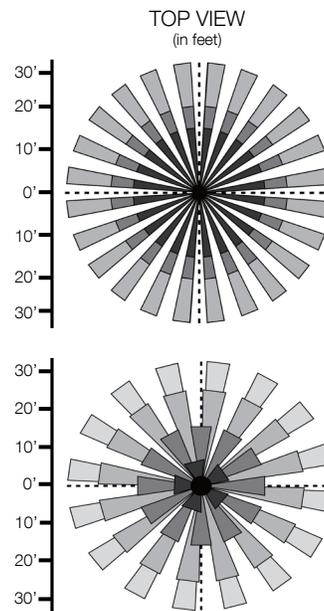
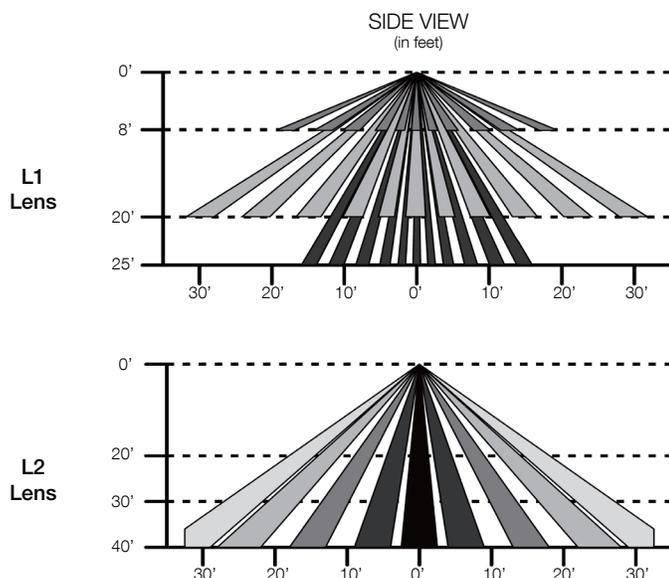
**COMMISSIONING RANGE:** 50FT  
**BLUETOOTH RANGE:** Intergral antenna up to 100FT  
**DETECTION ANGLE:** Vertical 90° x Horizontal 360°  
**MOUNTING HEIGHT:** 8 - 40FT  
**WARRANTY:** 5 years  
**IP RATING:** IP20 Damp

**DIMENSIONS**



L	W	H
3.19" (81mm)	4.02" (102mm)	1.70" (43.3mm)

**COVERAGE PATTERNS**



## SENSOR-BLE-7D BLUETOOTH MICROWAVE SENSOR

### FEATURE

- **Installation:** Factory Install - Integral to Fixture
- **Commissioning:** Wirelessly through ALS Control Mobile App (iOS / Android)
- **Certification:** DLC 5.1 Networked Lighting Control System
- **Control:** Hold time, High-Low setting, continuous Bi-level dimming, Code-compliant manual-on or auto-off capability
- **Sensor:** Motion (Occupancy/Vacancy/Manual)
- **Room and Zone Control:** Zoning and Grouping control, Scheduling

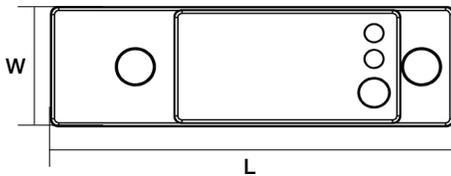


### SPECIFICATIONS

**SENSOR TYPE:** Microwave  
**WIRELESS STANDARDS:** Bluetooth SIG Mesh  
**INPUT VOLTAGE:** 10-14VDC, >50mA  
**CONTROL OUTPUT:** 0-10V  
**OPERATING TEMP:** -40°F ~ +158°F (-40°C ~ +70°C)

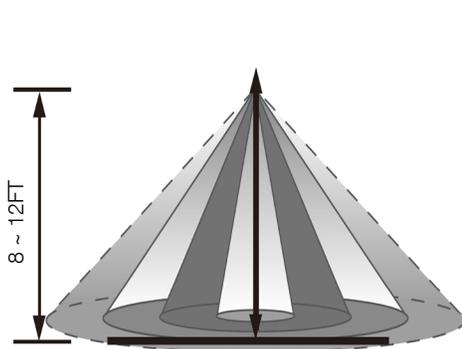
**COMMISSIONING RANGE:** 50FT  
**BLUETOOTH RANGE:** Integral antenna up to 164FT  
**DETECTION ANGLE:** 360°  
**MOUNTING HEIGHT:** Up to 12FT  
**WARRANTY:** 5 years  
**IP RATING:** IP20

### DIMENSIONS

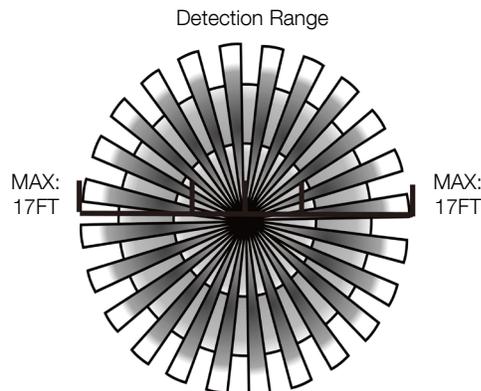


L	W
2.6" (65.5mm)	0.8" (20.5mm)

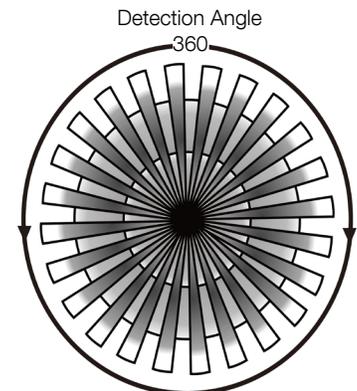
### COVERAGE PATTERNS



Height of Installation 8 ~12FT



Height of Installation 8FT



**SENSOR-ANT-7D MICROWAVE SENSOR**

**FEATURE**

- **Installation:** Factory Install - Integral to Fixture
- **Commissioning:** through Remote Control
- **Control:** Hold time, High-Low setting, Continuous Bi-Level Dimming, Code-Compliant Manual-On or Auto-Off Capability
- **Sensor:** Motion (Occupancy/Vacancy/Manual)

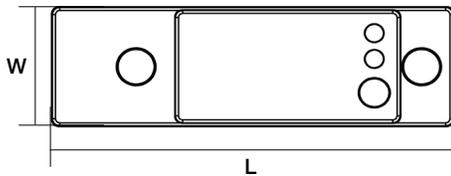


**SPECIFICATIONS**

**SENSOR TYPE:** Microwave  
**INPUT VOLTAGE:** 12-24VDC, >50mA  
**LIGHT-CONTROL:** 10 ~ 50LUX  
**CONTROL OUTPUT:** 0-10V  
**OPERATING TEMP:** -40°F ~ +158°F (-40°C ~ +70°C)

**COMMISSIONING RANGE:** 50FT from Remote Control  
**TIME SETTING:** 10sec ~ 60min (adjustable)  
**DETECTION ANGLE:** 360°  
**MOUNTING HEIGHT:** Up to 12FT  
**WARRANTY:** 5 years  
**IP RATING:** IP20

**DIMENSIONS**



L	W
2.6" (65.5mm)	0.8" (20.5mm)

**COVERAGE PATTERNS**

