

**CPQ SERIES 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**

Square dropped lens constructed of polycarbonate material with refractive features built-in to maximize area coverage.  
 Type V Distribution, lightly diffused lens for reduced LED pixilation and glare. Drop lens provides light above the 90 degree plane for some ambient uplighting.

**ELECTRICAL**

80+ CRI Lumileds LED.  
 -40°C up to 40°C (-40°F up to 104°F) maximum operating temperature  
 100,000 hr at L70 @ 25°C.  
 Driver operates at 120-277V input, 50/60Hz, 1-10V dimming driver standard.  
 <20% THD, 0.9 power factor.  
 Optional Emergency Backup Battery.

**SENSORS (OPTIONAL)**

SENSOR-819-O1 End mount on/off motion sensor with lowbay lens.  
 SENSOR-819-D1 End mount on/off/dimming and photocell sensor with lowbay lens.  
 SENSOR-BLE-819 End mount ALS CONTROL bluetooth on/off motion sensor lowbay lens.  
 SENSOR-PH-PB-U Integral button style photocell.  
 CONTROL-LVFA AVI-ON Bluetooth Mesh Controller.

**MOUNTING**

Integrated universal mounting marked on housing, allows simple installation.  
 Mounts directly to 4" round, octagonal, and square junction boxes.  
 Hinged design allows luminaire to be hung while wiring. (Suitable for surface mounted j-box, rigid pipe or free swinging pendant (supplied by others).  
 3/4" conduit entry on top for pendant mount.  
 1/2" conduit entry on four sides of the driver enclosure.

**STANDARD FINISH**

Corrosion resistant Dark Bronze and Semi-Gloss White powder coat.

**CUSTOM FINISH**

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

**CERTIFICATION**

IP65 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.  
 DLC® Premium (DesignLights Consortium Qualified)

**WARRANTY**

5 year warranty, see Limited Warranty for additional information.



White Finish

**SHIPPING DATA**

Product	Measurement	Weight
CPQ-30	9"L x 9"W x 5"H	5 lb
CPQ-50	9"L x 9"W x 5"H	5 lb
CPQ-70	9"L x 9"W x 5"H	5 lb
CPQ-100	11"L x 11"W x 5"H	8 lb



**CPQ SERIES GARAGE LIGHT**

**ORDER INFORMATION** **EXAMPLE : CPQ 30 50 PL JM DB UD**

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

Accessories  
Options

**A SERIES**

CPQ Square Canopy Light

**B POWER & LM**

Code	Power	LM
30	30W	3,900lm
50	50W	6,500lm
70	70W	9,100lm
100	100W	13,000lm

**C CCT**

50 5000K

**D DISTRIBUTION**

PL Prismatic Lens

**E MOUNTING**

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

**F FINISH**

Standard

**DB** Dark Bronze **WH** White

Custom Color

**CC** **BK** Black **GM** Graphite Metallic **RAL #**  
**SV** Silver **GR** Gray

**G INPUT**

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

**H ACCESSORIES/OPTIONS**

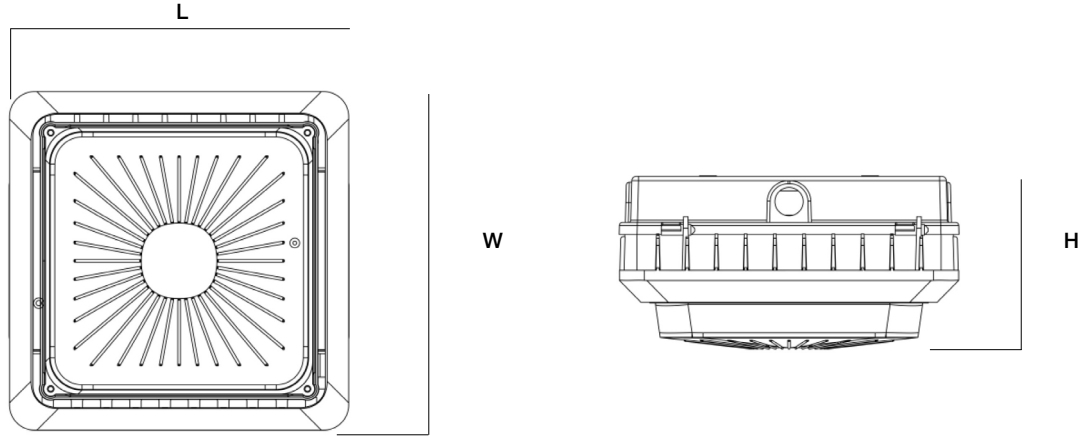
- BAA** Assembled in America, compliant with BAA (COTS)
- EMB-8W-B\*** 90-Minute Self-Diagnostic Emergency Battery 8W 100-347VAC Input 170VDC Output
- REMOTE-RC100** Handheld Remote Commissioning Tool for SENSOR-819-D1/D2 Only
- SENSOR-819-O1-L1 / L2\*** End mount on/off motion sensor with lowbay lens (120-277V) / **L1:** up to 20FT, **L2:** up to 40FT
- SENSOR-819-D1-L1 / L2\*** End mount on/off/dimming and photocell sensor with lowbay lens / **L1:** up to 20FT, **L2:** up to 40FT
- SENSOR-BLE-819-L1\*** End Mount PIR Bluetooth Daylight Harvesting Sensor (ALS Control Mobile App) / **L1:** up to 20FT
- CONTROL-LVFA\*** AVI-ON Bluetooth Mesh Control System
- SENSOR-PH-PB-U\*** Button Style Photocell

\*see page 4 for sensor and emb spec

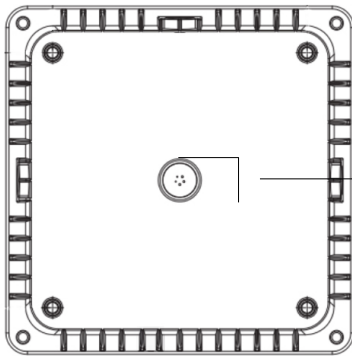
**CPQ SERIES GARAGE LIGHT**

**DIMENSIONS**

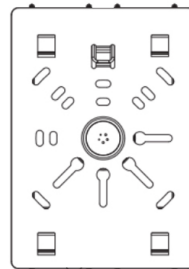
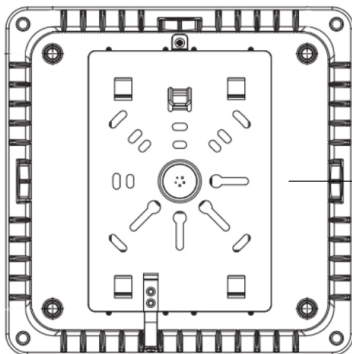
Power	L	W	H
30W / 50W / 70W	8.89" (225mm)	8.89" (225mm)	4.13" (98mm)
100W	10.80" (275mm)	10.80" (275mm)	4.30" (109mm)



**MOUNTING OPTIONS**



3/4" conduit entry on top for pendant mount



Surface Mount Plate  
 For direct mounting with electrical box

**CPQ SERIES GARAGE LIGHT**

**SENSOR SPEC**

Model	Type	Mounting	Coverage	Input	Function	Programmable
SENSOR-PH-PB-U	-	-	-	Universal	Dusk-to-Dawn Control	-
CONTROL-LVFA (see page 5 for detail)	Fixture Controller	-	-	12V DC	Bluetooth Mesh On/Off/Dimming Scheduling	AVI-ON Bluetooth Mobile App
SENSOR-819-O1	PIR	L1 - 20FT L2 - 40FT	30FT radius 30FT radius	Universal	On/Off	-
SENSOR-819-D1	PIR	L1 - 20FT L2 - 40FT	30FT radius 30FT radius	Universal	On/Off/Dimming	REMOTE-RC100
SENSOR-BLE-819 (see page 6 for detail)	PIR	L1 - 20FT	30FT radius	Universal	Bluetooth Mesh On/Off/Dimming Daylight Harvesting	ALS Control Bluetooth Mobile App



SENSOR-PH-PB-U



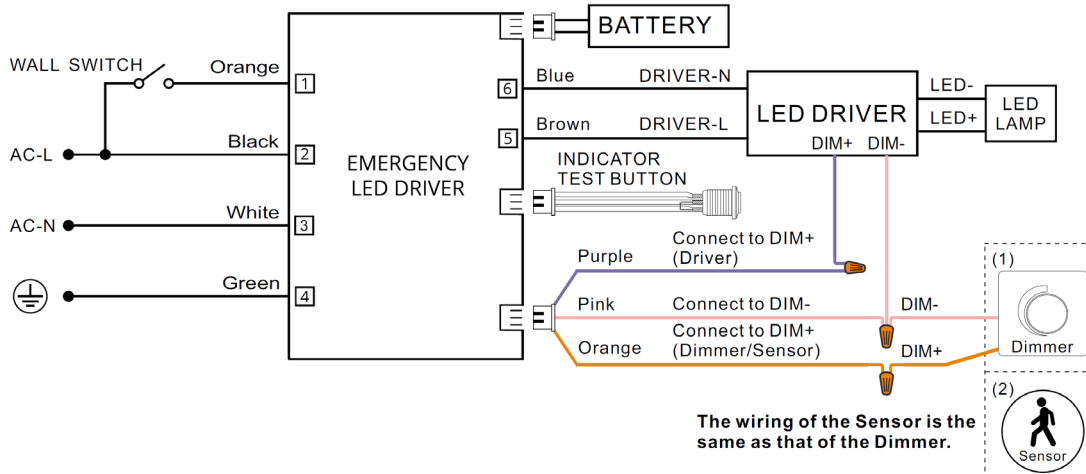
CONTROL-AVI-LVFA



SENSOR-819-O  
SENSOR-819-D  
SENSOR-BLE-819

**EMB SPEC**

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



**CPQ SERIES GARAGE LIGHT**

**CONTROL-LVFA SPEC**

**Status LEDs & Config Button**

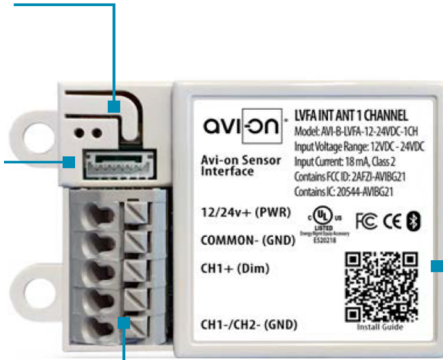
Quick and easy validation of wiring and network

**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

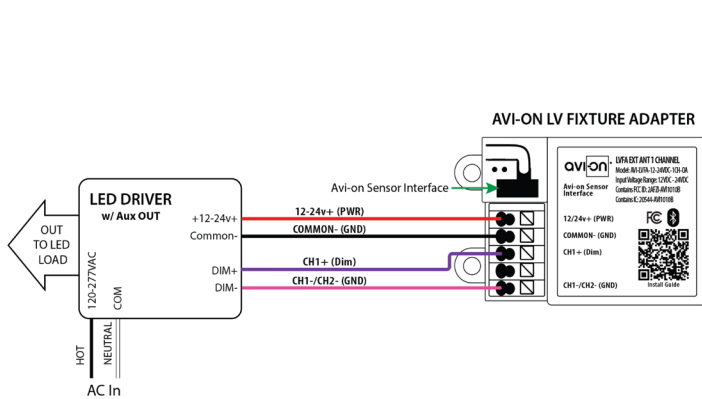
**SPECIFICATIONS**

**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)

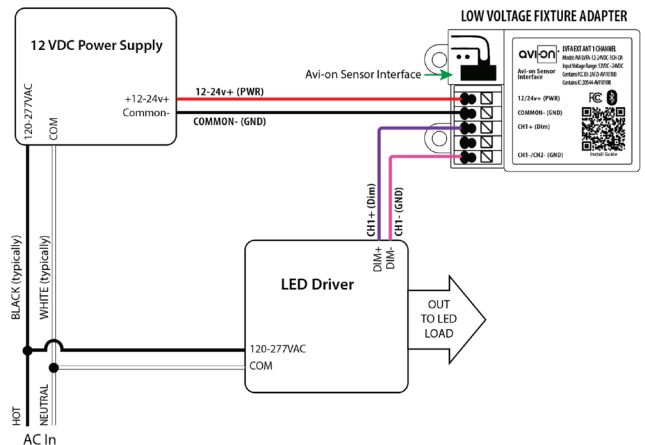
**RADIO FREQUENCY:** 2.4GHz  
**WIRELESS STANDARD:** BLE 4.2 with Mesh  
**POINT TO POINT RANGE\*:** 80ft with obstructions  
 350ft unobstructed  
**SECURITY:** AES 128-bit encryption for device to device communication  
 AES 256-bit encryption for device to cloud communication  
**WARRANTY:** 5 years; 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 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

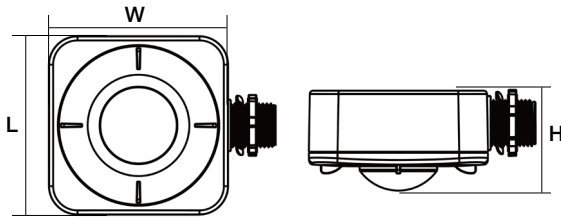


**SPECIFICATIONS**

**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**

