ALS®
Advantage Lighting Solutions

CPQ SERIES GARAGE LIGHT

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.

White Finish

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.

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

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.

c UL us LISTED   DLC LISTED PREMIUM   PROUDLY ASSEMBLED IN AMERICA   ALS CONTROL

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CPQ SERIES GARAGE LIGHT

ORDER INFORMATION						EXAMPLE : CPQ 30 50 PL JM DB UD	
Fixture	Series	Power & LM	CCT	Distribution	Mounting	Finish	Input
CPQ				**PL**	**JM**		

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	
	40	4000K
	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	
	AIA	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
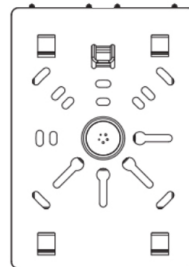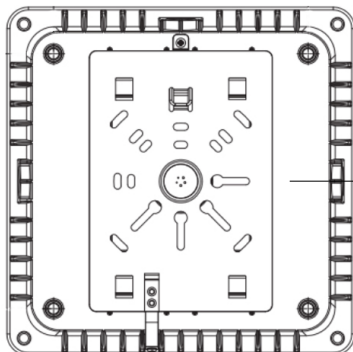
CPQ SERIES GARAGE LIGHT

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)

L

W

H
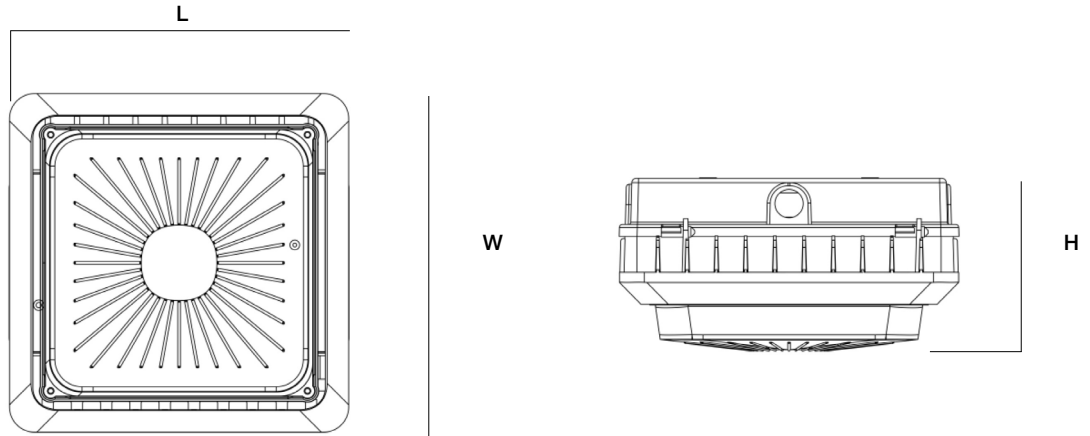
MOUNTING OPTIONS
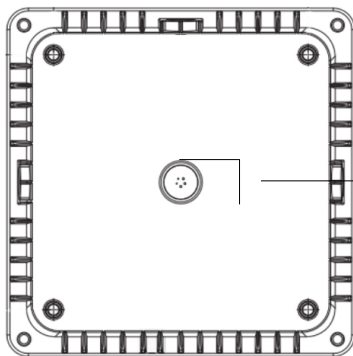
3/4" conduit entry on top for pendant mount

Surface Mount Plate
For direct mounting with electrical box

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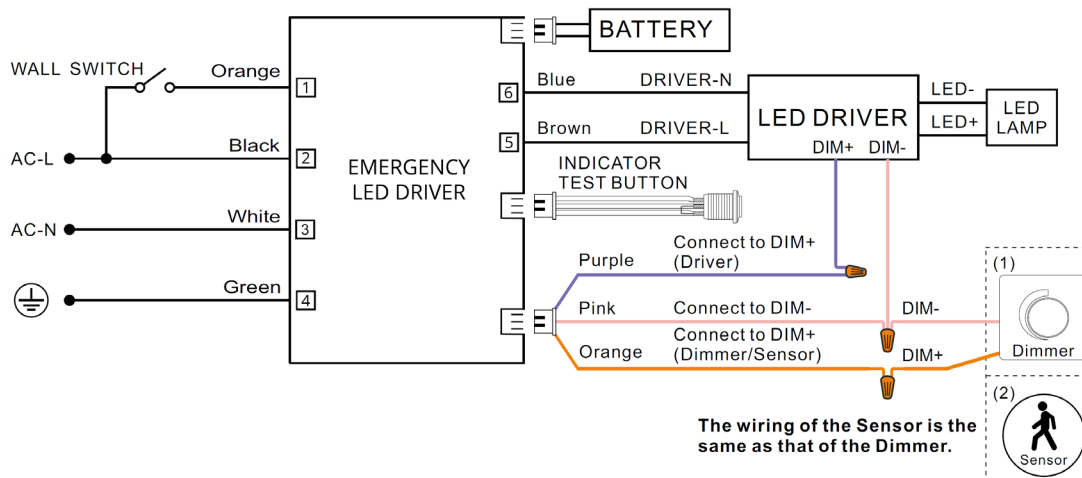
Specifications are subject to change without notice

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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

WALL SWITCH — Orange — 1

AC-L — Black — 2

AC-N — White — 3

⏚ — Green — 4

EMERGENCY LED DRIVER

BATTERY

6 — Blue — DRIVER-N

5 — Brown — DRIVER-L

INDICATOR TEST BUTTON

LED DRIVER
DIM+ DIM-
LED-
LED+
LED LAMP

Purple — Connect to DIM+ (Driver)

Pink — Connect to DIM-   DIM-

Orange — Connect to DIM+ (Dimmer/Sensor)   DIM+

(1) Dimmer

(2) Sensor

The wiring of the Sensor is the same as that of the Dimmer.

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ALS®
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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)
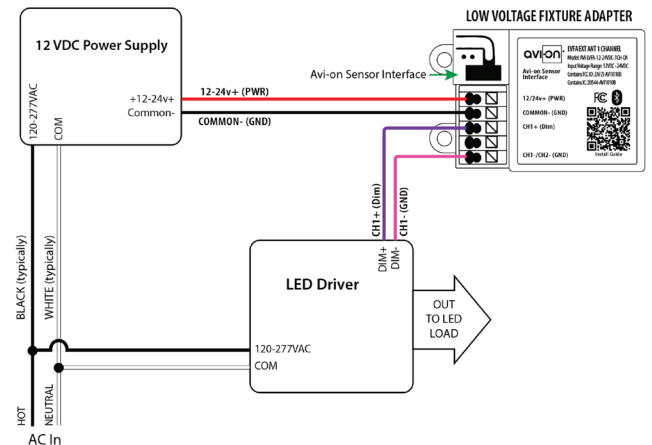**OPERATING TEMP:** -22°F to +158°F (-30°C to + 70°C)

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
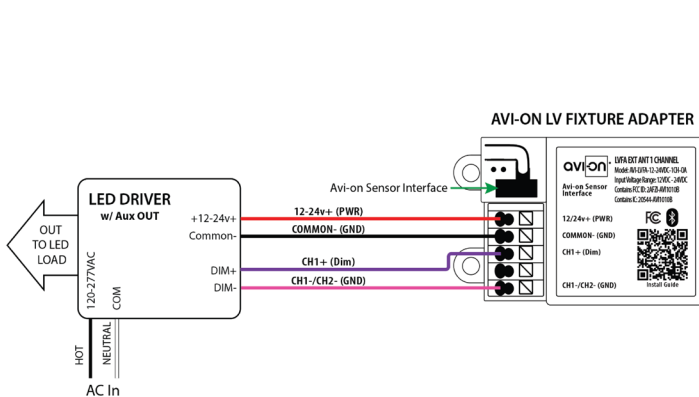
Fixture adapter powered by LED driver auxiliary output

Fixture adapter connected to LED driver and using power supply

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ALS CONTROL

SENSOR-BLE-819 BLUETOOTH PIR SENSOR

Client:
Project:
Type:
Quantity:

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
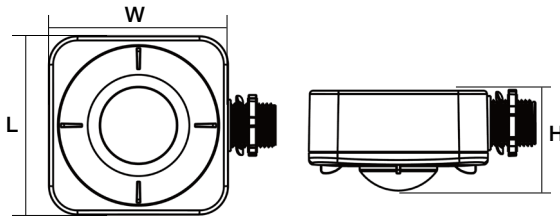- **Room and Zone Control:** Zoning and Grouping control, Scheduling

SPECIFICATIONS

SENSOR TYPE:	Passive Infrared Sensor (PIR)	**COMMISSIONING RANGE:**	50FT
WIRELESS STANDARDS:	Bluetooth SIG Mesh	**BLUETOOTH RANGE:**	Intergral antenna up to 100FT
INPUT VOLTAGE:	120/277VAC	**DETECTION ANGLE:**	Vertical 90° x Horizontal 360°
CONTROL OUTPUT:	0-10V	**MOUNTING HEIGHT:**	8 - 40FT
OPERATING TEMP:	-40°F ~ +167°F (-40°C ~ +75°C)	**WARRANTY:**	5 years
		IP RATING:	IP20 Damp

DIMENSIONS

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

COVERAGE PATTERNS

SIDE VIEW (in feet)

L1 Lens

L2 Lens

TOP VIEW (in feet)

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