ALS®
Advantage Lighting Solutions

CPR 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

Round drop lens constructed of polycarbonate material with refractive features built in to maximize area coverage, offers 1% uplight. Light engine available in 4000K, 5000K CCT (70+ CRI).

ELECTRICAL

70+ CRI Lumileds LED.

-40°C up to 45°C (-40°F up to 113°F) maximum operating temperature.

120,000 hr at L70 @ 25°C, 95,000 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 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-823 Integral PIR on/off/dimming/photosensing.

SENSOR-PH-PB-U Integral button style photocell.

CONTROL-LVFA AVI-ON Bluetooth Mesh Controller.

MOUNTING

Integrated universal mounting plate which mounts directly to 4" round, octagonal, and square junction boxes. The easy to install quick-mount bracket system allows for free hand wiring suitable for mounting to a surface mounted j-box or to a rigid or free swinging pendant (supplied by others).

3/4" conduit entry on top for pendant mount. 1/2" conduit entry on two sides.

STANDARD FINISH

Corrosion resistant semi-gloss White finish.

CUSTOM FINISH

Corrosion resistant Dark Bronze, Black, Graphite Metallic, Gray, Silver, 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.

DLC® Premium (DesignLights Consortium Qualified)

WARRANTY

5 year warranty, see Limited Warranty for additional information.

SHIPPING DATA

Product	Measurement	Weight
CPR-30	13"L x 13"W x 4"H	6 lb
CPR-45	13"L x 13"W x 4"H	6 lb
CPR-60 / CPRA-60	13"L x 13"W x 4"H	6 lb
CPR-90	14"L x 14"W x 4"H	7 lb

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Rev:12/12/24

Page 1 of 8

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CPR SERIES GARAGE LIGHT

ORDER INFORMATION	EXAMPLE : CPR 40 50 F JM WH UD

Fixture	Series	Power & LM	CCT	Distribution	Mounting	Finish	Input
CPR				**F**	**JM**		**UD**

A — SERIES

CPR	Circular Garage Light

B — POWER & LM

Code	Power	LM
30	30W	3750lm
45	45W	5500lm
60	60W	7300lm
90	90W	11600lm

C — CCT

40	4000K
50	5000K

D — DISTRIBUTION

F	Frosted Drop Lens

E — MOUNTING

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

F — FINISH

Standard

WH	White

Custom Color

CC	DB	Dark Bronze	BK	Black	GM	Graphite Metallic
	GR	Gray	SV	Silver		RAL#

G — INPUT

UD	120-277V, 0-10V Dimmable

A — SERIES

CPRA	Circular Garage Light Selectable

B — POWER & LM

Code	Power	LM
60	30 / 45 / 60W Field Selectable	3750 / 5500 / 7300lm

C — CCT

SC	3000 / 4000 / 5000K Field Selectable

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Rev:12/12/24
Page 2 of 8

ORDER INFORMATION (CONTINUED)

Accessories
Options

H	ACCESSORIES/OPTIONS

|	
AIA	Assembled in America, compliant with BAA (COTS)
EMB-8W**	8W Emergency Battery 170VDC Forward Voltage
SENSOR-819-O1-L1 / L2*	End mount on/off motion sensor w/lowbay lens / **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
SENSOR-823-L3 / L4*	Integral PIR on/off/dimming/photosensing / **L3:** up to 40FT, **L4:** up to 8FT
SENSOR-PH-PB-U*	Button Style Photocell
CONTROL-LVFA*	AVI-ON Bluetooth Mesh Control System
REMOTE-RC100	Handheld Remote Commissioning Tool for SENSOR-819-D1/D2 Only, 823 Series

*see page 6 for sensor

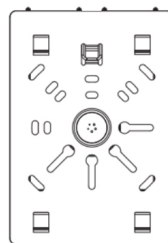**see page 7 for emb spec

CPR SERIES GARAGE LIGHT

DIMENSIONS

Power	L	W	H
CPR-30 / 45 / 60W CPRA-60	ø 12.00" (305mm)	ø 12.00" (305mm)	3.32" (84mm)
CPR-90W	ø 13.03" (331mm)	ø 13.03" (331mm)	3.15" (80mm)

L

W

H
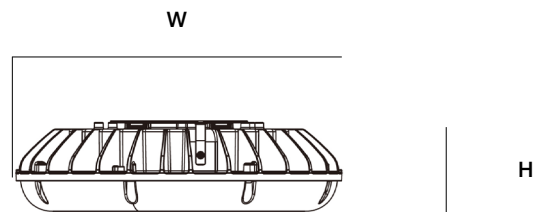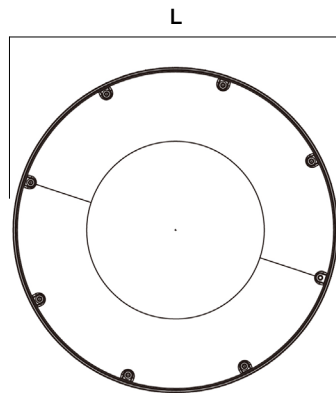
MOUNTING OPTIONS
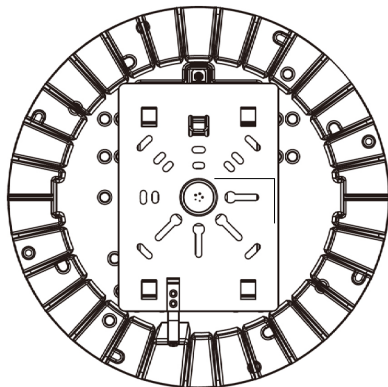
3/4" conduit entry on top for pendant mount
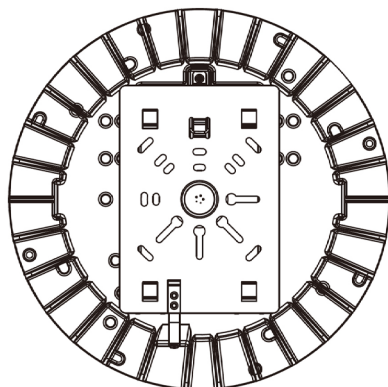
Surface Mount Plate
For direct mounting with electrical box

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Rev:12/12/24

Page 4 of 8

PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	4000K		3000K / 5000K		QTY ON PALLET
		LUMENS	LPW	LUMENS	LPW	
30W	120-277V	3547	118	3622	121	252
45W	120-277V	4893	109	5091	113	252
60W	120-277V	7021	117	7303	122	252
90W	120-277V	11400	127	11600	129	252

DLC CODE

Part Number	DLC Part Number	DLC Class
CPR - 30 40 F - XX DB UD	MCP0330W27V40K[D,B,W][Blank,M]DPG	Premium
CPR - 30 50 F - XX DB UD	MCP0330W27V50K[D,B,W][Blank,M]DPG	Premium
CPR - 45 40 F - XX DB UD	MCP0345W27V40K[D,B,W][Blank,M]DPG	Premium
CPR - 45 50 F - XX DB UD	MCP0345W27V50K[D,B,W][Blank,M]DPG	Premium
CPR - 60 40 F - XX DB UD	MCP0360W27V40K[D,B,W][Blank,M]DPG	Premium
CPR - 60 50 F - XX DB UD	MCP0360W27V50K[D,B,W][Blank,M]DPG	Premium

SENSOR SPEC

Model	Type	Mounting	Coverage	Input	Function	Programmable
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 8 for detail)	PIR	**L1** - 20FT	30FT radius	Universal	Bluetooth Mesh On/Off/Dimming Daylight Harvesting	ALS Control Bluetooth Mobile App
SENSOR-823	PIR	**L3** - 40FT **L4** - 8FT	30FT radius 24FT radius	Universal	On/Off/Dimming	REMOTE-RC100
SENSOR-PH-PB-U	-	-	-	Universal	Dusk-to-Dawn Control	-
CONTROL-LVFA (see page 7 for detail)	Fixture Controller	-	-	12V DC	Bluetooth Mesh On/Off/Dimming Scheduling	AVI-ON Bluetooth Mobile App

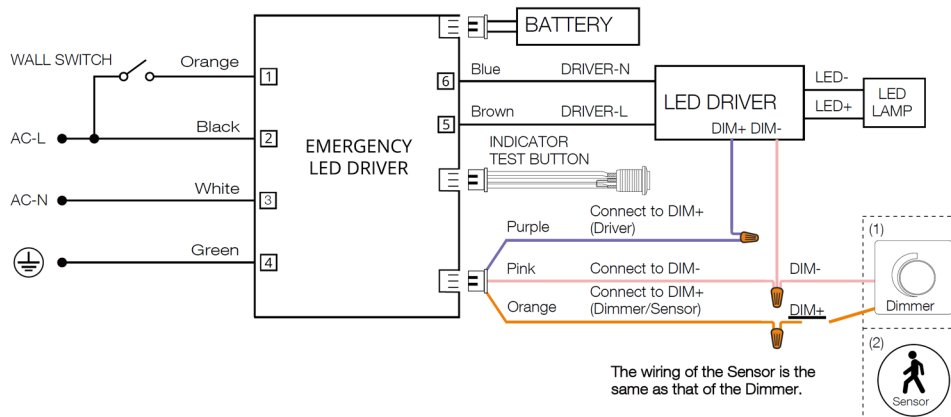SENSOR-819-O
SENSOR-819-D
SENSOR-BLE-819

SENSOR-823

SENSOR-PH-PB-U

CONTROL-LVFA

EMB SPEC

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

BATTERY

WALL SWITCH — Orange — 1
AC-L — Black — 2
AC-N — White — 3
⏚ — Green — 4

EMERGENCY LED DRIVER

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

DIM-
DIM+

(1) Dimmer

(2) Sensor

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

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Rev:12/12/24

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Page 6 of 8

CPR SERIES GARAGE LIGHT

CONTROL-LVFA SPEC

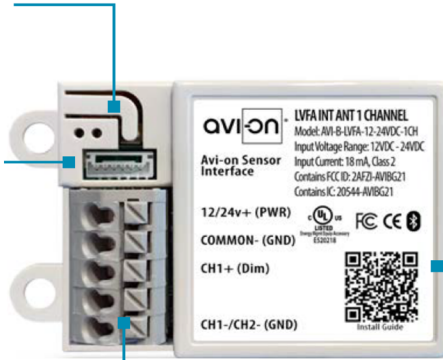### Status LEDs & Config Button
Quick and easy validation of wiring and network

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

avi•on LVFA INT ANT 1 CHANNEL
Model: AVI-B-LVFA-12-24VDC-1CH
Input Voltage Range: 12VDC - 24VDC
Input Current: 18 mA, Class 2
Contains FCC ID: 2AFZI-AVIBG21
Contains IC: 20544-AVIBG21
Avi-on Sensor Interface
12/24v+ (PWR)
COMMON- (GND)
CH1+ (Dim)
CH1-/CH2- (GND)
Install Guide

Internal Antenna
Improved performance and eliminates risk of accidentally cutting a hanging wire

SPECIFICATIONS

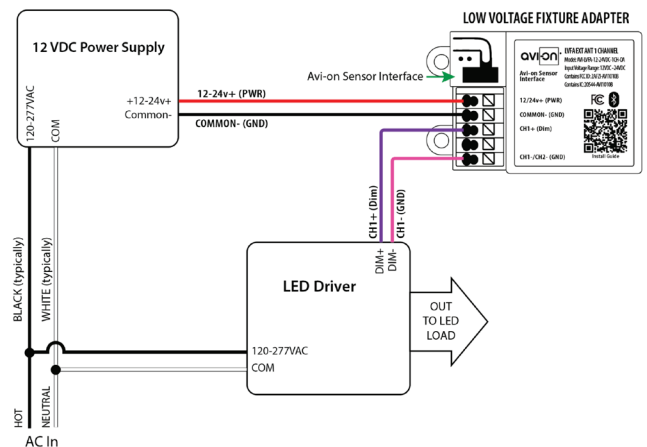|	
INPUT VOLTAGE:	12-24VDC
CURRENT:	15mA without a Sensor
	19mA with a DC PIR Sensor
	48mA with a DC Microwave Sensor
0-10V DIMMING:	12-24VDC
SIZE:	2.30in x 1.43in x 0.75in
	(58.2mm x 36.4mm x 19mm)
MOUNTING:	Removable mounting tabs
WEIGHT:	0.45 oz (16g)
OPERATING TEMP:	-22°F to +158°F (-30°C to + 70°C)

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
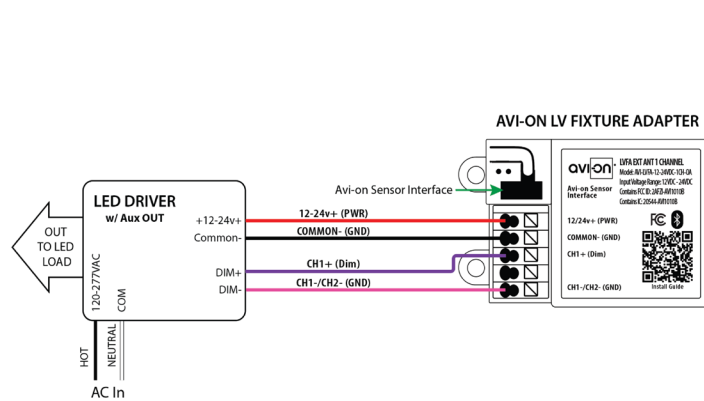
Fixture adapter powered by LED driver auxiliary output

Fixture adapter connected to LED driver and using power supply

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Rev:12/12/24

Page 7 of 8

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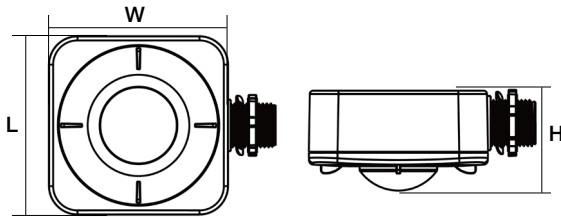- **Room and Zone Control:** Zoning and Grouping control, Scheduling

SPECIFICATIONS

SENSOR TYPE:	Passive Infrared Sensor (PIR)
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

SIDE VIEW
(in feet)

L1 Lens

L2 Lens

TOP VIEW
(in feet)

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Rev:12/12/24

Page 8 of 8