

## PT2A SERIES POST TOP

Client:  
Project:  
Type:  
Quantity:

### CONSTRUCTION

Low copper aluminum alloy die-cast body. Architectural appearance, low EPA wind load design. IK09 rated enclosure protects electrical equipment against external mechanical impacts. All external fasteners are stainless steel.  
EPA: 0.783

### OPTICS

Molded silicone gasket throughout insures the sealing between the two compartments and provides ingress protection.  
PMMA acrylic lens offers exceptional light distribution and durability without yellowing over time.  
Light engines are available in 3000K ~ 5000K (70 CRI) selectable.  
The optics can conform to dark sky requirements.

### ELECTRICAL

70+ CRI LED.  
Dual Selectable model - reference Ordering Information.  
-40°C up to 45°C\* (-40°F up to 113°F) maximum operating temperature.  
L70 @ 105C > 60,000hrs | L70 @ 40C >200,000hrs.  
50/60Hz, <20% THD, 0.9 power factor.  
Driver operates at 120-277V input, 1-10V dimmable driver, down to 10%.  
Optional 347/480V input.

### SENSORS (OPTIONAL)

SENSOR-BLE-619 Integral PIR ALS Control bluetooth/on/off/dimming/photosensing.  
SENSOR-823 Integral PIR on/off/dimming/photosensing.  
SENSOR-PH-PB-U Integral button style photocell.  
CONTROL-LVFA AVI-ON Bluetooth Mesh Controller.

### MOUNTING

Suitable for 3" tenon, 2-3/8" tenon adapter included.  
Optional for 4" and 5" tenon adapter

### STANDARD FINISH

Corrosion resistant Dark Bronze powder coating finish.

### CUSTOM FINISH

Corrosion resistant Black, Graphite Metallic, Gray, Silver, White, Custom RAL#.

### CERTIFICATION

IP66 Wet location label standard.  
Meets Buy America Act requirements.  
IDA compliant: with 3000K color temperature selection.  
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.



### SHIPPING DATA

Product	Measurement	Weight
PT2A-130SC	29"L x 28"W x 11"H	34 lb



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ORDER INFORMATION					EXAMPLE: PT2A 130 SC 5M SF3 DB UD		
Fixture	Series	Power & LM	CCT	Distribution	Mounting	Finish	Input
	PT2A			5M	SF3		

A

SERIES

PT2A

Post Top Area Light Dual Selectable

B

POWER & LM

Code

Power

LM

130

Selectable

Selectable

45/70/90/130W

6,500 ~ 17,300

C

CCT

SC

Selectable

3000K ~ 5000K

D

DISTRIBUTION

5M

Type V Medium

E

MOUNTING

SF3

3" Tenon Adapter - Standard (2-3/8" tenon fitting included)

F

FINISH

Standard

DB

Dark Bronze

Custom Color

CC

BK

Black

GM

Graphite Metallic

GR

Gray

SV

Silver

WH

White

RAL#

G

INPUT

UD

120-277V, 1-10V Dimmable

HD

347/480V, 1-10V Dimming

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### ORDER INFORMATION (CONTINUED)

Accessories  
 Options

#### H ACCESSORIES/OPTIONS

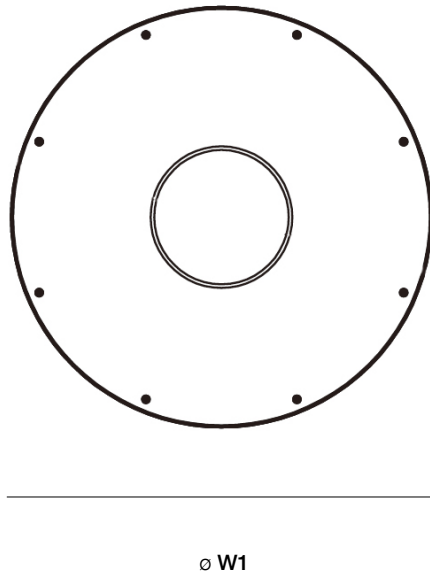
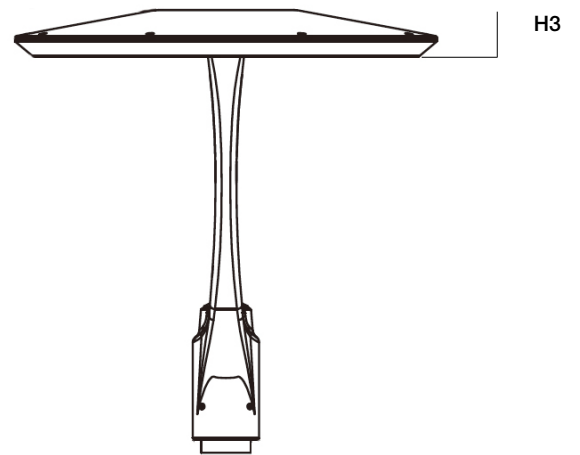
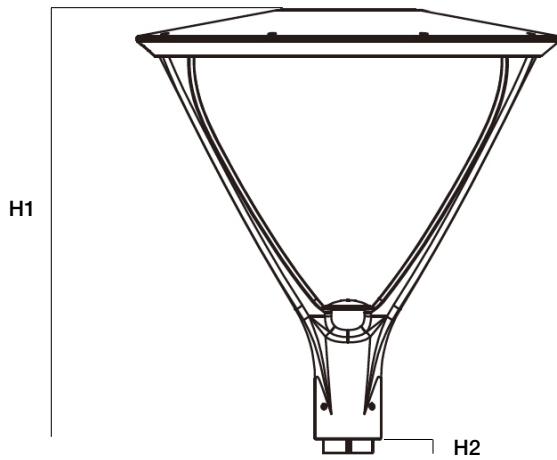
<b>AIA</b>	Assembled in America, compliant with BAA (COTS)
<b>FAD</b>	Customized Output (Consult Factory)
<b>REMOTE-RC100</b>	Handheld Remote Commissioning Tool for SENSOR-823
<b>SENSOR-PH-PB-U*</b>	Button Style Photocell
<b>SENSOR-BLE-619-L3*</b>	Integral PIR Bluetooth Daylight Sensor (ALS Control Mobile App) / <b>L3:</b> up to 40FT
<b>SENSOR-823-L3 / L4*</b>	Integral PIR on/off/dimming/photosensing / <b>L3:</b> up to 40ft, <b>L4:</b> up to 8ft
<b>MOUNT-4SQR-SP-D</b>	4" Tenon Adapter for Round Pole
<b>MOUNT-5SQR-SP-D</b>	5" Tenon Adapter for Round Pole
<b>MOUNT-4SQ-SP-D</b>	4" Tenon Adapter for Square Pole
<b>MOUNT-5SQ-SP-D</b>	5" Tenon Adapter for Square Pole
<b>CONTROL-LVFA*</b>	AVI-ON Bluetooth Mesh Control System
<b>SURGE-LSP4-U</b>	10kV inline Surge Protection for Universal input / <b>U:</b> 120-277V

\*see page 5 for sensor spec

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### DIMENSIONS

Model	H1	H2	H3	W1	EPA
PT2A-130SC	24.30" (616mm)	0.8" (20mm)	2.8" (70mm)	ø 25.2" (640mm)	0.783 ft <sup>2</sup>



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### PERFORMANCE DATA

SYSTEM WATTS	DIST. TYPE	3000K			4000K			5000K		
		LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING
45W	V	6537	143	B2-U0-G2	6782	154	B2-U0-G2	6617	144	B2-U0-G2
70W	V	9756	137	B3-U0-G2	10272	147	B3-U0-G2	9917	138	B3-U0-G2
90W	V	11660	132	B3-U0-G2	12215	141	B3-U0-G2	11814	134	B3-U0-G2
130W	V	16091	121	B3-U0-G3	17254	132	B3-U0-G3	16320	123	B3-U0-G3

### DLC CODE

Part Number	DLC Part Number	DLC Class
PT2A - 130 SC 5M -SF3 - XX UD 130W 3000K Selection	PT2A-130SC5M-SF3DBUD [SENSOR-PH-PB-U, SENSOR-823-L3/L4, blank] Product ID: S-42YF7H	Premium
PT2A - 130 SC 5M -SF3 - XX UD 130W 4000K Selection	PT2A-130SC5M-SF3DBUD [SENSOR-PH-PB-U, SENSOR-823-L3/L4, blank] Product ID: S-42YF7H	Premium
PT2A - 130 SC 5M -SF3 - XX UD 130W 5000K Selection	PT2A-130SC5M-SF3DBUD [SENSOR-PH-PB-U, SENSOR-823-L3/L4, blank] Product ID: S-42YF7H	Premium

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### SENSOR SPEC

Model	Type	Mounting	Coverage	Input	Function	Programmable
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-BLE-619 (see page 9 for detail)	PIR	L3 - 40FT	30FT radius	12V DC	Bluetooth Mesh On/Off Daylight	ALS Control Bluetooth Mobile App



SENSOR-823



SENSOR-PH-PB-U



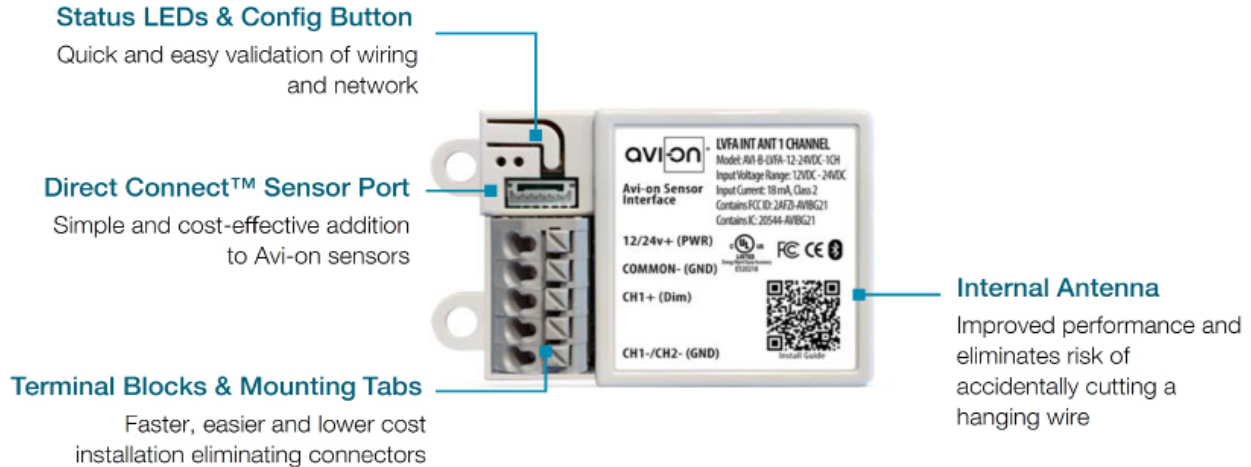
CONTROL-AVI-LVFA



SENSOR-BLE-619

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### CONTROL-LVFA SPEC



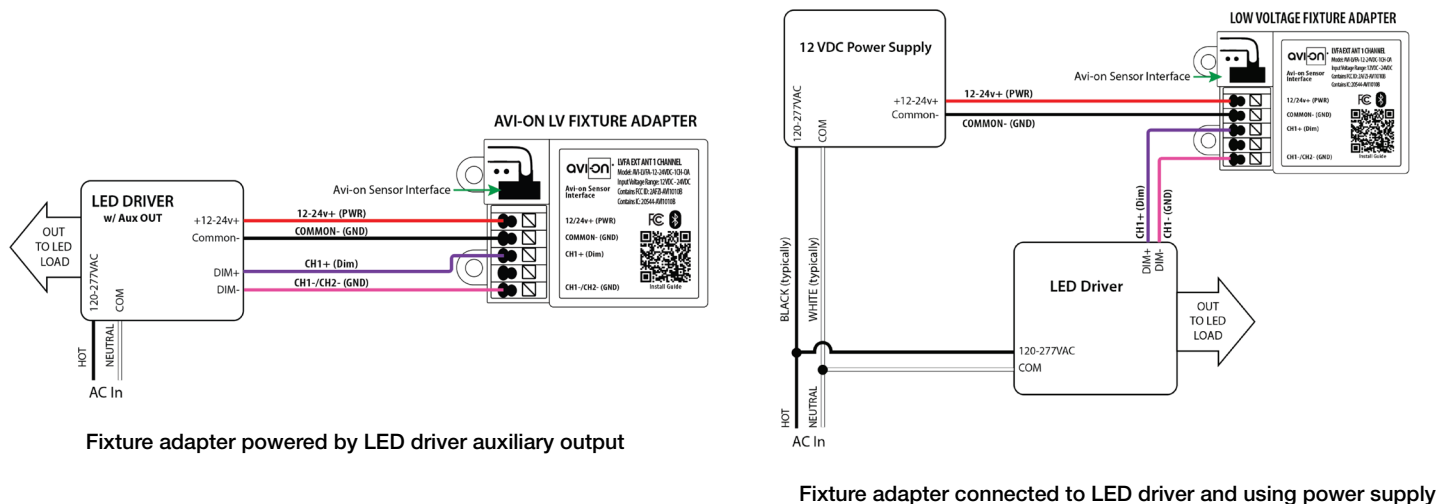
### SPECIFICATIONS

**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  
 5 years; 10 years optional  
**WARRANTY:** 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



## FEATURE

- **Installation:** Factory Install - Sensor integral to fixture, lens external
- **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, manual/auto - on/off
- **Sensor:** Motion (Occupancy/Vacancy/Manual) and Daylight
- **Zone Control:** Zoning and Grouping control, Scheduling

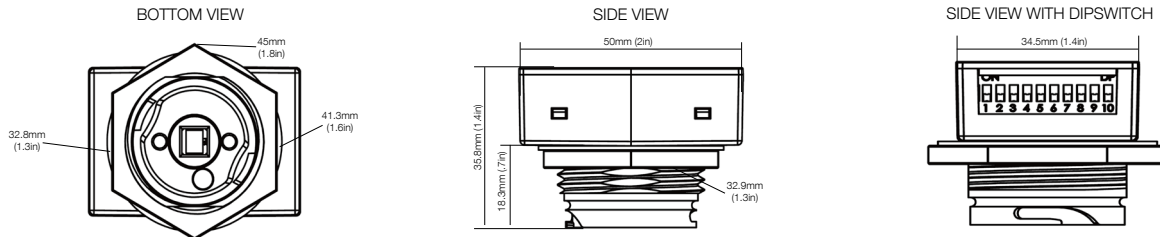


## SPECIFICATIONS

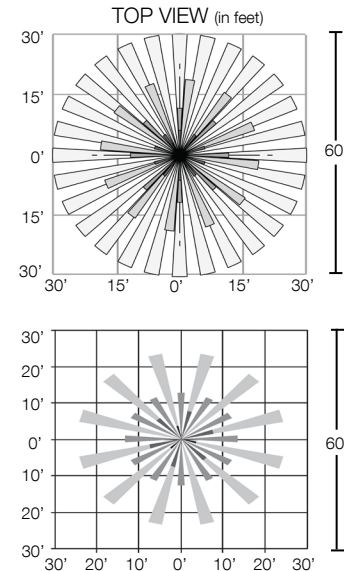
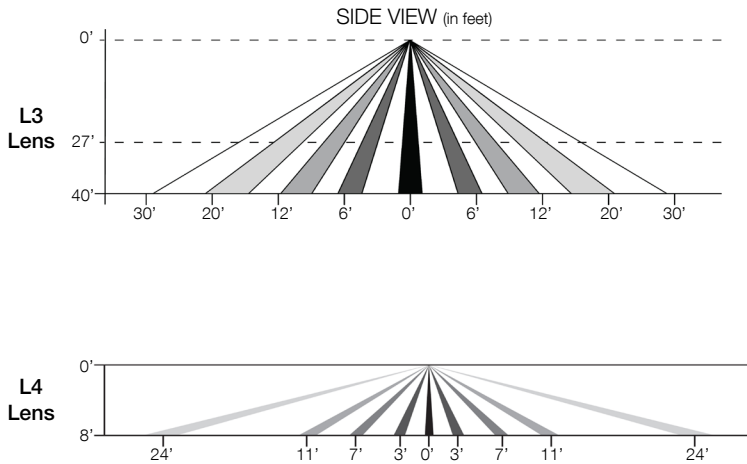
**SENSOR TYPE:** Passive Infrared Sensor (PIR)  
**WIRELESS STANDARDS:** Bluetooth SIG Mesh  
**INPUT VOLTAGE:** 12-24VDC, >50mA  
**CONTROL OUTPUT:** 0-10V  
**OPERATING TEMP:** -40°F ~ +158°F (-40°C ~ +70°C)

**COMMISSIONING RANGE:** 50FT  
**BLUETOOTH RANGE:** Integral antenna up to 100FT  
**DETECTION ANGLE:** Vertical 90° x Horizontal 360°  
**MOUNTING HEIGHT:** 8 - 40FT  
**WARRANTY:** 5 years  
**IP RATING:** IP65

## DIMENSIONS



## COVERAGE PATTERNS



## ORDER CODE

**EXAMPLE: SENSOR-BLE-619-L3**

### A SERIES

**SENSOR-BLE-619-L** Integral PIR ALS Control Bluetooth Sensor 12VDC Input

### B LENS

**Code** **Mounting** **Coverage**  
**3** **40FT** **30FT Radius**