

PT4A 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: 0.34 sq/ft

OPTICS

Dark-Sky compliant distribution.

Light engines are available in 3000K ~ 5000K (80 CRI) selectable.

Distribution pattern field selectable between Type III, IV and V.

Molded silicone gasket throughout insures the sealing between the two compartments and provides ingress protection.

Polycarbonate lens offers exceptional light distribution and durability.

Optional Comfort lens for maximum glare reduction and visual comfort.



Standard Low Glare Optics

ELECTRICAL

80+ CRI LED.

CCT / Output / Distribution pattern field selectable - reference Ordering Information.

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

L_{70} @ 25C > 100,000hrs

50/60Hz, <20% THD, 0.9 power factor.

Built-in photocell w/cap.

Built-in 12V AUX socket for SENSOR-ANT / BLE Plug-N-Play sensor.

Driver operates at 120-277V input, 0-10V dimmable driver, down to 10%.

Optional 347/480V input.

SENSORS (OPTIONAL)

SENSOR-ANT-6-4T Plug-N-Play PIR on/off/dimming/photosensing.

SENSOR-BLE-6-4T Plug-N-Play PIR ALS Control Bluetooth/on/off/dimming/photosensing.

CONTROL-LVFA AVI-ON Bluetooth Mesh Controller.

SHIPPING DATA

| Product | Measurement | Weight |
|----------|----------------------|--------|
| PT4A-130 | 21" L x 19" W x 8" H | 18 lb |

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.

WARRANTY

5 year warranty, see Limited Warranty for additional information.



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| ORDER INFORMATION | | | | EXAMPLE: PT4A 130 SC FA SF3 DB UNVD | | | | | | | | | | | | | | | | |
|---|--|-----------------------------------|-----|-------------------------------------|----------|------------|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Fixture | Series | Power & LM | CCT | Distribution | Mounting | Finish | Input | | | | | | | | | | | | | |
| | PT4A | | | 5M | | SF3 | | | | | | | | | | | | | | |
| A SERIES | | | | | | | | | | | | | | | | | | | | |
| PT4A Architectural Post Top Area Light | | | | | | | | | | | | | | | | | | | | |
| B POWER & LM | | | | | | | | | | | | | | | | | | | | |
| Code | Power | LM | | | | | | | | | | | | | | | | | | |
| 130 | Field Selectable 52 / 78 / 104 / 130W | Field Selectable 8,500 ~ 19,500lm | | | | | | | | | | | | | | | | | | |
| C CCT | | | | | | | | | | | | | | | | | | | | |
| SC | Field Selectable 3000K ~ 5000K | | | | | | | | | | | | | | | | | | | |
| D DISTRIBUTION / LENS | | | | | | | | | | | | | | | | | | | | |
| FA* | Optics Lens - Field Selectable Distribution Type III, IV, V (standard) | | | | | | | | | | | | | | | | | | | |
| CL* | Comfort Lens | | | | | | | | | | | | | | | | | | | |
| *see Pg 5 for detail | | | | | | | | | | | | | | | | | | | | |
| E MOUNTING | | | | | | | | | | | | | | | | | | | | |
| SF3** | 3" Tenon Adapter - Standard (2-3/8" tenon fitting included) | | | | | | | | | | | | | | | | | | | |
| **see Pg 4 for detail | | | | | | | | | | | | | | | | | | | | |
| F FINISH | | | | | | | | | | | | | | | | | | | | |
| Standard | | | | | | | | | | | | | | | | | | | | |
| DB | Dark Bronze | | | | | | | | | | | | | | | | | | | |
| Custom Color | | | | | | | | | | | | | | | | | | | | |
| CC | BK | Black | GM | Graphite Metallic | | GR | Gray | | | | | | | | | | | | | |
| | SV | Silver | WH | White | | RAL# | | | | | | | | | | | | | | |
| G INPUT | | | | | | | | | | | | | | | | | | | | |
| UNVD | 120-277V, 0-10V Dimmable w/12V AUX Output | | | | | | | | | | | | | | | | | | | |
| HVLD | 347-480V, 1-10V Dimming w/12V AUX Output | | | | | | | | | | | | | | | | | | | |

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ORDER INFORMATION (CONTINUED)

Accessories

Options

H

ACCESSORIES/OPTIONS

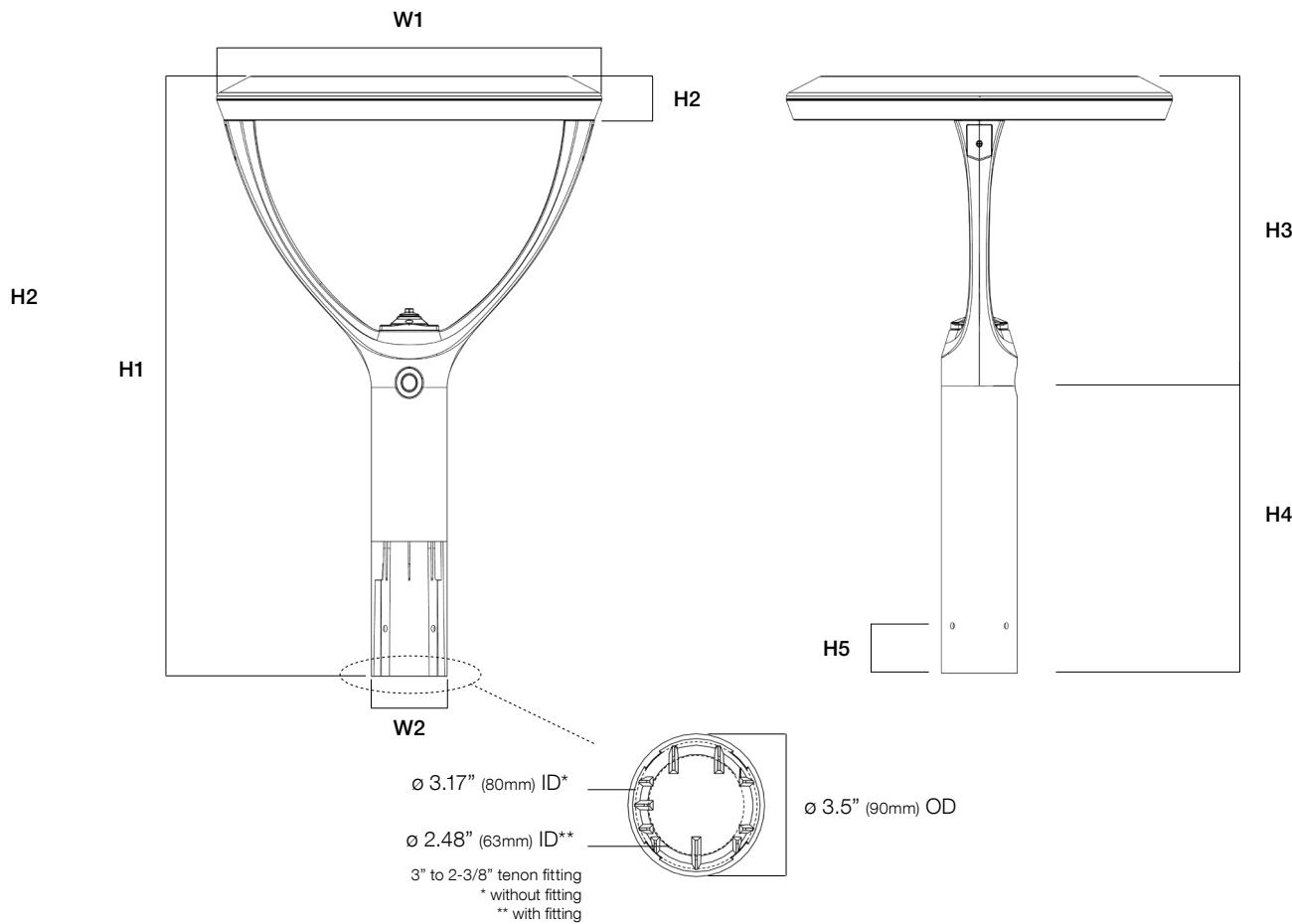
| | |
|-------------------------|--|
| AIA | Assembled in America, compliant with BAA (COTS) |
| FAD | Customized Output (Consult Factory) |
| SENSOR-ANT-6-4T* | Plug-N-Play Motion Sensor On/off/dimming/photosensing |
| REMOTE-RC100 | Handheld Remote Commissioning Tool for SENSOR-ANT-6-4T |
| SENSOR-BLE-6-4T* | Plug-N-Play Motion Sensor Bluetooth/on/off/dimming/photosensing (ALS Control Mobile App) |
| MOUNT-4SQR-SP-D | 4" Tenon Adapter for Round Pole |
| MOUNT-5SQR-SP-D | 5" Tenon Adapter for Round Pole |
| MOUNT-4SQ-SP-D | 4" Tenon Adapter for Square Pole |
| MOUNT-5SQ-SP-D | 5" Tenon Adapter for Square Pole |
| CONTROL-LVFA* | AVI-ON Bluetooth Mesh Control System |
| SURGE-LSP4-__ | 10kV inline Surge Protection for Universal input: U : 120-277V, High voltage input: H : 347-480V |

*see page 5 for sensor spec

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DIMENSIONS

| Model | H1 | H2 | H3 | H4 | H5 | W1 | W2 |
|-------|---------------|-------------|---------------|-------------|-------------|---------------|--|
| PT4A | 24.9" (632mm) | 1.8" (47mm) | 12.9" (328mm) | 12" (304mm) | 1.9" (50mm) | ø 18" (457mm) | <p>ø 3.5" (90mm) OD ø 3.17" (80mm) ID*</p> <p>ø 2.48" (63mm) ID**</p> <p>3" to 2-3/8" tenon fitting * without fitting ** with fitting</p> |



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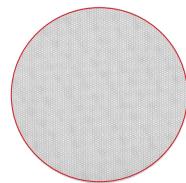
DISTRIBUTION / LENS



FA Optics

Field Selectable Distribution via Dipswitch

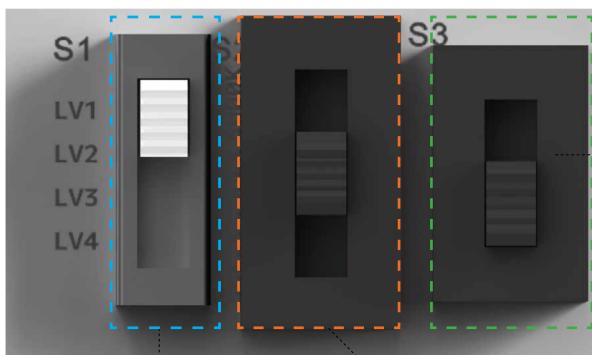
Type III
Type IV
Type V



CL Lens

Ultra Low Glare
Type V Prismatic Diffused Lens
Maximum visual comfort and uniformity

SELECTOR CONFIGURATION



Dipswitch 1
Output Selector

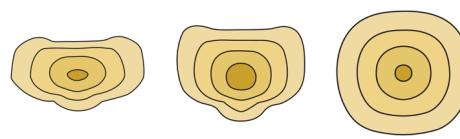
Lvl 1 - 100%
Lvl 2 - 80%
Lvl 3 - 60%
Lvl 4 - 40%

Dipswitch 2
CCT Selector

Lvl 1 - 3000K
Lvl 2 - 4000K
Lvl 3 - 5000K

Dipswitch 3
Distribution Selector

Lvl 1 - Type III
Lvl 2 - Type IV
Lvl 3 - Type V



Type III

Type IV

Type V

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PERFORMANCE DATA

| SYSTEM WATTS | DISTRIBUTION TYPE | 3000K | | 4000K | | 5000K | |
|--------------|-------------------|--------|-----|--------|-----|--------|-----|
| | | LUMENS | LPW | LUMENS | LPW | LUMENS | LPW |
| 52W | IV | 8700 | 167 | 9500 | 183 | 9100 | 175 |
| 78W | IV | 12500 | 160 | 13500 | 173 | 13000 | 167 |
| 104W | IV | 15500 | 149 | 16500 | 159 | 16000 | 154 |
| 130W | IV | 18500 | 142 | 20000 | 154 | 19500 | 150 |

DLC CODE

| Part Number | DLC Part Number | DLC Class |
|---|-----------------|-----------|
| PT4A - 130 SC 5M -SF3 - XX UD 130W 3000K Selection | pending | Premium |
| PT4A - 130 SC 5M -SF3 - XX UD 130W 4000K Selection | pending | Premium |
| PT4A - 130 SC 5M -SF3 - XX UD 130W 5000K Selection | pending | Premium |

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SENSOR SPEC

| Model | Type | Mounting | Coverage | Input | Function | Programmable |
|---|--------------------|------------|-------------|--------|---|--|
| SENSOR-ANT-6-4T (see page 8 for detail) | PIR | up to 40FT | 30FT radius | 12V DC | On/Off/Dimming | REMOTE-RC100 |
| SENSOR-BLE-6-4T (see page 10 for detail) | PIR | up to 40FT | 30FT radius | 12V DC | Bluetooth Mesh On/Off/Dimming Daylight Harvesting | ALS Control Bluetooth Mobile App |
| CONTROL-LVFA (see page 11 for detail) | Fixture Controller | - | - | 12V DC | Bluetooth Mesh On/Off/Dimming Scheduling | AVI-ON Bluetooth Mobile App |



SENSOR-ANT-6-4T
SENSOR-BLE-6-4T

CONTROL-LVFA

FEATURE

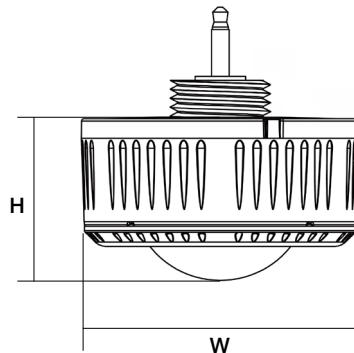
- **Installation:** Plug-N-Play via AUX Socket on Attached Fixture
- **Commissioning:** through Remote Control
- **Control:** Hold time, High-Low setting, Continuous Bi-Level Dimming, Code-Compliant Manual-On or Auto-Off Capability
- **Sensor:** Motion (Occupancy/Vacancy/Manual) and Daylight



SPECIFICATIONS

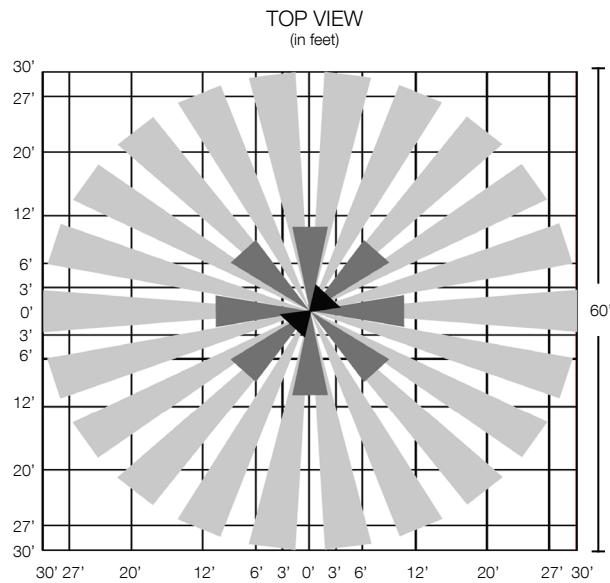
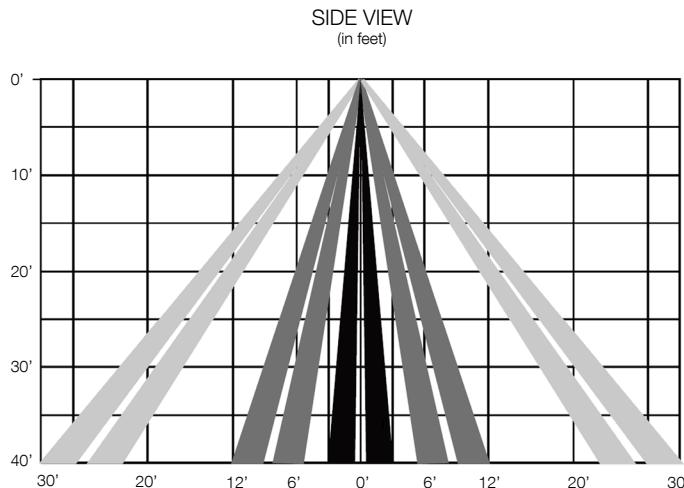
| | |
|-----------------------------|--|
| SENSOR TYPE: | Passive Infrared Sensor (PIR) |
| STANDARD OPTION: | SENSOR-ANT-6-4T |
| EMB OPTION: | SENSOR-ANT-6-4T-EM |
| | (Designed for fixtures with emergency kit. When the voltage power is off, the sensor will stop working.) |
| INPUT VOLTAGE: | 12-24VDC, >30mA |
| LIGHT CONTROL: | 10 ~ 50LUX |
| CONTROL OUTPUT: | 0-10V |
| OPERATING TEMP: | -4°F ~ +140°F (-20°C ~ +60°C) |
| COMMISSIONING RANGE: | 50FT from Remote Control |
| TIME SETTING: | 10sec ~ 60min (adjustable) |
| DETECTION ANGLE: | 360° |
| MOUNTING HEIGHT: | Up to 50FT. |
| WARRANTY: | 5 years |
| IP RATING: | IP65 |

DIMENSIONS



| H | W |
|----------------|--------------|
| 1.03" (26.2mm) | 2.17" (55mm) |

COVERAGE PATTERNS



ORDER CODES

| | |
|-----------------------------|---|
| SENSOR-ANT-6-4T | Plug-N-Play PIR on/off/dimming/photosensing up to 40FT MH |
| SENSOR-ANT-6-4T-EM | Plug-N-Play PIR on/off/dimming/photosensing for EMB application up to 40FT MH |
| SENSOR-ANT-6-4T-H | Plug-N-Play PIR on/off/dimming/photosensing up to 50FT MH |
| SENSOR-ANT-6-4T-H-EM | Plug-N-Play PIR on/off/dimming/photosensing for EMB application up to 50FT MH |



REMOTE-RC100 SENSOR REMOTE PROGRAMMER

Client:
Project:
Type:
Quantity:

FEATURE

The Remote control wireless IR configuration tool is a handheld tool for remote configuration of IR-enabled fixture integrated sensors. The tool enables device to modify via push button and stores up to four sensor parameter modes to speed configuration of multiple sensors.

| | PROGRAMMABLE | RESET |
|--------------------|--|--|
| COMPATIBLE SENSORS | SENSOR-ANT-6-4T SENSOR-ANT-6-4T-EM SENSOR-ANT-6-4T-H SENSOR-ANT-6-4T-H-EM SENSOR-ANT-7 SENSOR-ANT-3C-B1 SENSOR-819-D1/D2 SENSOR-823 SENSOR-820 | SENSOR-BLE-6-4T SENSOR-BLE-7 SENSOR-BLE-7D SENSOR-BLE-819 SENSOR-BLE-619 CONTROL-BLE-5-4T WALLSWITCH-BLE-101 WALLSWITCH-BLE-204 |

SPECIFICATION

Carrying Case
RC-100 in Carrying Case
Commissioning Range
Up to 50FT (15mm)

Operating Temp
32F ~ 122F (0°C ~ 50°C)
Power
2 x AAA 1.5V Alkaline batteries



Dimension

L - 4.84" (123mm)
W - 2.76" (70mm)
H - .80" (20.3mm) Thickness

BRIGHTNESS

Set output level (in 70%, 80%, 90%, or 100%) of connected lighting during occupancy.

SENSITIVITY

Set the sensitivity (in 20%, 50%, 75%, or 100%) of the occupancy sensor.

HOLD TIME

Set the time (in 10s, 1m, 5m, 10m, 16m, 20m, 30m, or 60m) that the fixture will hold at normal output after the space is vacant.

DAYLIGHT SENSOR

Set the threshold of natural light (in 10, 30, or 50) as setpoint to light on automatically for the sensor. If natural light is above the selected threshold, fixture will shut off. Set daylight (in 100, 300, 500) as setpoint to light off.

STAND-BY DIM/TIME

DIM: Set the output level (in 0%, 10%, 30%, or 50%) of the fixture during vacancy. This will only take place after Hold Time has elapsed.

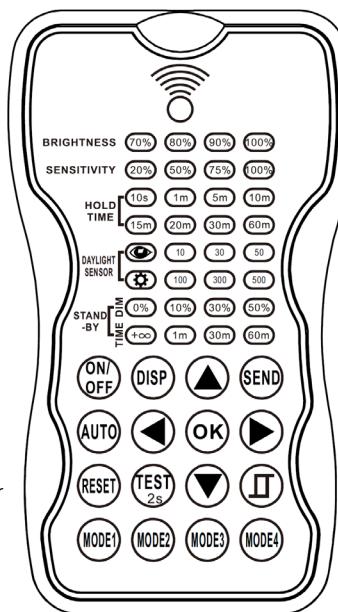
TIME: Set the time (+∞, 1m, 30m, or 50m) that the sensor will remain in stand-by mode before powering down.

ON/OFF

Use this to manually power a fixture on or off.

AUTO

Press Auto to engage/unlock a sensor.
Press Auto, then press Display to show the sensors current setting parameters.



DISPLAY

Press to Display to view current setting parameters for each function. LED indicators will highlight current settings.

DIRECTIONAL ARROWS

Use the arrows to navigate the setting options by pressing up/down or left/right.

SEND

Press Send to upload displayed settings to individual sensor/fixture. The fixture will blink on and off to confirm new settings.

SMART DAYLIGHT SENSOR

Open and or close smart daylight sensor.
Press up/down arrows buttons to enter setting condition, the parameters LEDs of remote control will flash to be selected.

TEST

Used to test sensitivity of occupancy sensing.
Press Test, then the fixture will enter Test Mode, where Hold Time is only 2s.
While Test Mode is active, Stand-By and Daylight sensing will be disabled.
Press Auto to exit Test Mode.

RESET

Press Reset to put all parameters back to default settings.

MODE

Press the Mode # that you want to save.
Use Directional Arrows to select new parameters.
Press OK to confirm.

FEATURE

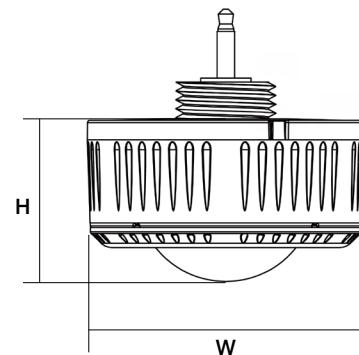
- **Installation:** Plug-N-Play via AUX socket on attached fixture
- **Commissioning:** Wirelessly through ALS Control Mobile App (iOS / Android)
- **Certification:** DLC 5.1 Networked Lighting Control System
- **Control:** Hold time, High-Low setting, continuous Bi-level dimming, Code-compliant manual-on or auto-off capability
- **Sensor:** Motion (Occupancy/Vacancy/Manual) and Daylight Harvesting
- **Room and Zone Control:** Zoning and Grouping control, Scheduling



SPECIFICATIONS

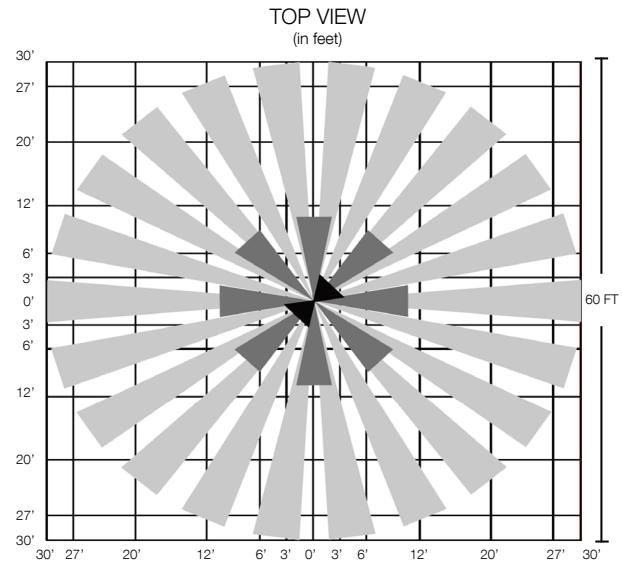
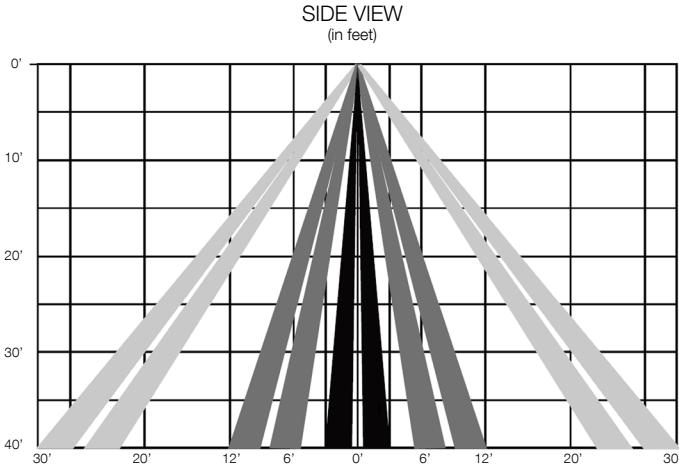
| | |
|-----------------------------|-------------------------------|
| SENSOR TYPE: | Passive Infrared Sensor (PIR) |
| WIRELESS STANDARDS: | 5.0 Bluetooth Mesh |
| INPUT VOLTAGE: | 12-24VDC, >50mA |
| CONTROL OUTPUT: | 0-10V |
| OPERATING TEMP: | -4°F ~ +140°F (-20°C ~ +60°C) |
| COMMISSIONING RANGE: | 50FT |
| BLUETOOTH RANGE: | 164FT |
| DETECTION ANGLE: | 360° |
| MOUNTING HEIGHT: | Up to 40FT |
| WARRANTY: | 5 years |
| IP RATING: | IP65 |

DIMENSIONS



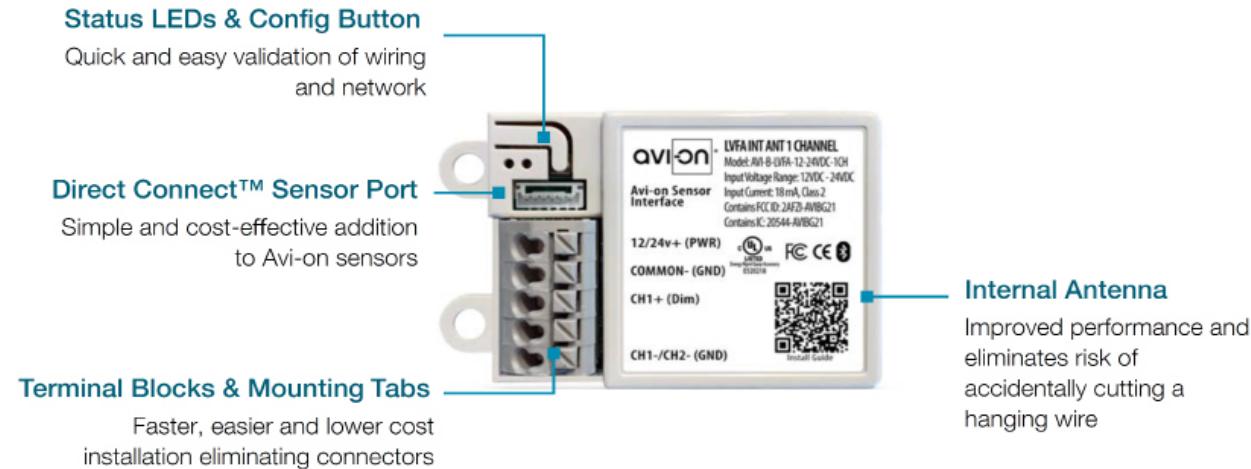
| H | W |
|----------------|--------------|
| 1.03" (26.2mm) | 2.17" (55mm) |

COVERAGE PATTERNS



PT4A SERIES POST TOP

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 |
| WARRANTY: | 5 years; 10 years optional |
| REGULATORY: | FCC: 2AFZ1-AV11010 B IC: 20544-AV11010 B BQB: D031801, DID: 86303 UL 916, 2043 (Plenum Rated) |

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

WIRING DIAGRAM

