

## PT SERIES POST TOP

Client:  
 Project:  
 Type:  
 Quantity:

### CONSTRUCTION

Low copper aluminum alloy die-cast body.  
 Modern appearance, low EPA wind load design. IK09 rated enclosure protects electrical equipment against external mechanical impacts. All external fasteners are stainless steel.  
 EPA: 0.940

### OPTICS

Molded silicone gasket throughout insures the sealing between the two compartments and provides ingress protection.  
 Field interchangeable polycarbonate lens available with Type III, IV and V distribution. The optics can conform to dark sky requirements.  
 Light engines are available in standard 3000K, 4000K and 5000K (80+ CRI) configurations.

### ELECTRICAL

80+ CRI LED.  
 -40°C up to 45°C\* (-40°F up to 113°F) maximum operating temperature.  
 70,000 hr LED at L70.  
 50/60Hz, <20% THD, 0.9 power factor.  
 Driver operates at 120-277V input, 1-10V dimmable driver, down to 10%.  
 Dialable driver offers precise lumen output to meet project needs.  
 Optional 347/480V input.

### SENSORS (OPTIONAL)

SENSOR-PH-PB-U Integral button style photocell.  
 SENSOR-PH-PT-U/UD/HD Twist lock dimming/non-dimming photocontrol.  
 CONTROL-LVFA AVI-ON Bluetooth Mesh Controller.

### MOUNTING

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

### STANDARD FINISH

Corrosion resistant Dark Bronze powder coating finish.

### CUSTOM FINISH

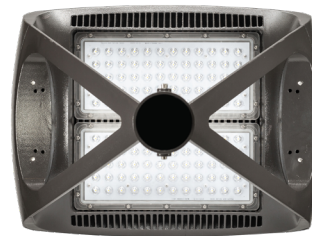
Corrosion resistant Black, Graphite Metallic, Gray, Silver, White, Custom RAL#.

### CERTIFICATION

IP65 Wet location label standard.  
 Meets Buy America Act requirements.  
 IDA compliant: with 3000K color temperature selection.  
 Title 24 compliant; see local ordinance for qualification information.  
 All luminaires are built to UL1598 standards and bear appropriate cETLus labels.  
 DLC® Premium (DesignLights Consortium Qualified).

### WARRANTY

5 year warranty, see Limited Warranty for additional information.



### SHIPPING DATA

| Product | Measurement        | Weight |
|---------|--------------------|--------|
| PT-100  | 24"L x 24"W x 20"H | 35 lb  |
| PT-150  | 24"L x 24"W x 20"H | 35 lb  |
| PT-200  | 24"L x 24"W x 20"H | 35 lb  |
| PT-300  | 24"L x 24"W x 20"H | 35 lb  |



## PT SERIES POST TOP

| ORDER INFORMATION |              |                         |                                                        | EXAMPLE : PT 100 40 5M DB UD |                   |       |      |
|-------------------|--------------|-------------------------|--------------------------------------------------------|------------------------------|-------------------|-------|------|
| Fixture           | Series       | Power & LM              | CCT                                                    | Distribution                 | Finish            | Input |      |
|                   | PT           |                         |                                                        |                              |                   |       |      |
| A                 | SERIES       |                         |                                                        |                              |                   |       |      |
|                   | PT           | Post Top Area Light     |                                                        |                              |                   |       |      |
| B                 | POWER & LM   |                         |                                                        |                              |                   |       |      |
|                   | Code         | Power                   | LM                                                     |                              |                   |       |      |
|                   | DW           | Specify                 | Dialable driver output range between: 6000lm ~ 34500lm |                              |                   |       |      |
|                   | 100          | 100W                    | 12000lm                                                |                              |                   |       |      |
|                   | 150          | 150W                    | 18000lm                                                |                              |                   |       |      |
|                   | 200          | 200W                    | 23000lm                                                |                              |                   |       |      |
|                   | 300          | 300W                    | 34500lm                                                |                              |                   |       |      |
| C                 | CCT          |                         |                                                        |                              |                   |       |      |
|                   | 40           | 4000K                   |                                                        |                              |                   |       |      |
|                   | 50           | 5000K                   |                                                        |                              |                   |       |      |
| D                 | DISTRIBUTION |                         |                                                        |                              |                   |       |      |
|                   | 3M           | Type III Medium         |                                                        |                              |                   |       |      |
|                   | 5M           | Type V Medium           |                                                        |                              |                   |       |      |
| E                 | FINISH       |                         |                                                        |                              |                   |       |      |
|                   | Standard     |                         |                                                        |                              |                   |       |      |
|                   | DB           | Dark Bronze             |                                                        |                              |                   |       |      |
|                   | Custom Color |                         |                                                        |                              |                   |       |      |
|                   | CC           | BK                      | Black                                                  | GM                           | Graphite Metallic | GR    | Gray |
|                   |              | SV                      | Silver                                                 | WH                           | White             | RAL#  |      |
| F                 | INPUT        |                         |                                                        |                              |                   |       |      |
|                   | UD           | 110-277V, 1-10V Dimming |                                                        |                              |                   |       |      |
|                   | HD           | 347/480V, 1-10V Dimming |                                                        |                              |                   |       |      |

## PT SERIES POST TOP

### ORDER INFORMATION (CONTINUED)

Accessories  
 Options

#### G MOUNTING

blank 2-3/8" Tenon Adapter

#### H ACCESSORIES/OPTIONS

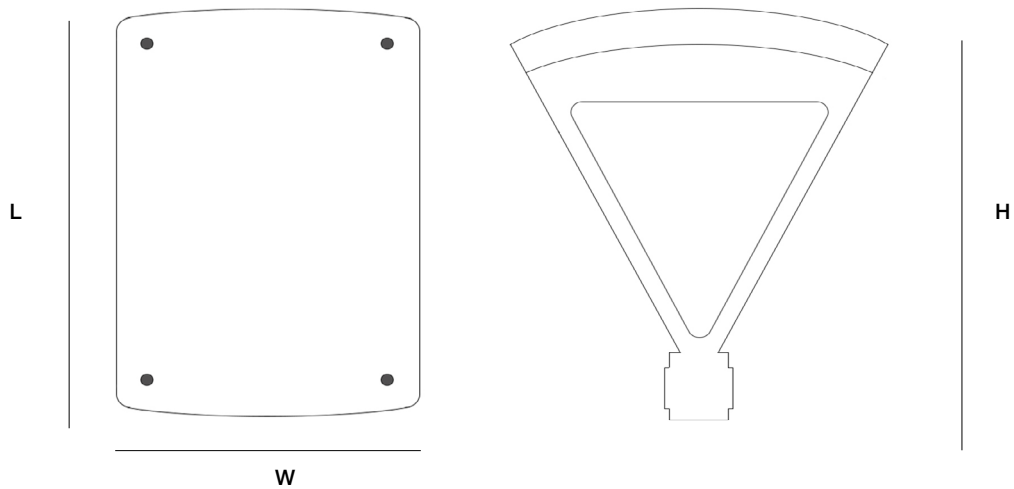
|                                  |                                                                                             |
|----------------------------------|---------------------------------------------------------------------------------------------|
| <b>BAA</b>                       | Assembled in America, compliant with BAA (COTS)                                             |
| <b>3000K</b>                     | 3000K CCT                                                                                   |
| <b>FAD</b>                       | Customized Output (Consult Factory)                                                         |
| <b>SENSOR-PH-PB-U*</b>           | Button Style Photocell                                                                      |
| <b>SENSOR-PH-PT-U / UD / HD*</b> | Twist Lock Photocell / <b>U:</b> 120-277V, <b>UD:</b> 120-277V, <b>HD:</b> 480V input       |
| <b>MOUNT-3SQR-SP-D</b>           | 3" Tenon Adapter for Round Pole                                                             |
| <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>SURGE-LSP4-U / H</b>          | 10kV inline Surge Protection for Universal input / <b>U:</b> 120-277V, <b>H:</b> 480V input |
| <b>CONTROL-LVFA*</b>             | AVI-ON Bluetooth Mesh Control System                                                        |

\*see page 6 for sensor spec

**PT SERIES POST TOP**

**DIMENSIONS**

| Model                    | L           | W              | H           |
|--------------------------|-------------|----------------|-------------|
| PT-100 / 150 / 200 / 300 | 22" (558mm) | 15.75" (400mm) | 22" (558mm) |



## PT SERIES POST TOP

### PERFORMANCE DATA

| SYSTEM WATTS | VOLTAGE  | DIST.TYPE | 3000K  |   |   |   |     | 4000K  |   |   |   |     | 5000K  |   |   |   |     | QTY ON PALLET |
|--------------|----------|-----------|--------|---|---|---|-----|--------|---|---|---|-----|--------|---|---|---|-----|---------------|
|              |          |           | LUMENS | B | U | G | LPW | LUMENS | B | U | G | LPW | LUMENS | B | U | G | LPW |               |
| 100W         | 110-277V | III       | 12800  | 3 | 0 | 1 | 128 | 13300  | 3 | 0 | 1 | 133 | 13600  | 3 | 0 | 1 | 136 | 16            |
|              | 110-277V | V         | 12800  | 3 | 0 | 1 | 128 | 13300  | 3 | 0 | 1 | 133 | 13600  | 3 | 0 | 1 | 136 | 16            |
| 150W         | 110-277V | III       | 19050  | 4 | 0 | 3 | 127 | 19800  | 4 | 0 | 3 | 132 | 20250  | 4 | 0 | 3 | 135 | 16            |
|              | 110-277V | V         | 19050  | 4 | 0 | 1 | 127 | 19800  | 4 | 0 | 1 | 132 | 20250  | 4 | 0 | 1 | 135 | 16            |
| 200W         | 110-277V | III       | 25400  | 5 | 0 | 3 | 127 | 26400  | 5 | 0 | 3 | 132 | 27000  | 5 | 0 | 3 | 135 | 16            |
|              | 110-277V | V         | 25400  | 5 | 0 | 1 | 127 | 26400  | 5 | 0 | 1 | 132 | 27000  | 5 | 0 | 1 | 135 | 16            |
| 300W         | 110-277V | III       | 37800  | 5 | 0 | 3 | 126 | 39300  | 5 | 0 | 3 | 131 | 40200  | 5 | 0 | 3 | 134 | 16            |
|              | 110-277V | V         | 37800  | 5 | 0 | 2 | 126 | 39300  | 5 | 0 | 2 | 131 | 40200  | 5 | 0 | 2 | 134 | 16            |

### DLC CODE

| Part Number           | DLC Part Number                            | DLC Class |
|-----------------------|--------------------------------------------|-----------|
| PT - 100 30 3M - XX U | OEM: YR-TP500-W100-P-Y3(3000K)             | Standard  |
| PT - 100 40 3M - XX U | OEM: YR-TP500-W100-NP-Y3(4000K)            | Standard  |
| PT - 100 50 3M - XX U | OEM: YR-TP500-W100-NP-Y3(5000K)            | Standard  |
| PT - 150 30 3M - XX U | OEM: YR-TP500-W150-[NP;P]-Y3(3000K)        | Premium   |
| PT - 150 40 3M - XX U | OEM: YR-TP500-W150-[NP;P]-Y3(4000K)        | Premium   |
| PT - 150 50 3M - XX U | OEM: YR-TP500-W150-[NP;P]-Y3(5000K)        | Premium   |
| PT - 200 30 3M - XX U | OEM: YR-TP500-W200-[NP;P]-Y3(3000K)[B;D;W] | Premium   |
| PT - 200 40 3M - XX U | OEM: YR-TP500-W200-[NP;P]-Y3(4000K)[B;D;W] | Premium   |
| PT - 200 50 3M - XX U | OEM: YR-TP500-W200-[NP;P]-Y3(5000K)[B;D;W] | Premium   |
| PT - 300 30 3M - XX U | OEM: YR-TP500-W300-[NP;P]-Y3(3000K)[B;D;W] | Premium   |
| PT - 300 40 3M - XX U | OEM: YR-TP500-W300-[NP;P]-Y3(4000K)[B;D;W] | Premium   |
| PT - 300 50 3M - XX U | OEM: YR-TP500-W300-[NP;P]-Y3(5000K)[B;D;W] | Premium   |

**PT SERIES POST TOP**

**SENSOR SPEC**

| Model                                   | Type                  | Mounting | Coverage | Input      | Function                                       | Programmable                      |  |
|-----------------------------------------|-----------------------|----------|----------|------------|------------------------------------------------|-----------------------------------|--|
| SENSOR-PH-PB-U                          | -                     | -        | -        | Universal  | Dusk-to-Dawn Control                           | -                                 |  |
| SENSOR-PH-PT-U                          | -                     | -        | -        | Universal  | Dusk-to-Dawn Control                           | -                                 |  |
| SENSOR-PH-PT-UD                         |                       |          |          | 277 ~ 480V |                                                |                                   |  |
| SENSOR-PH-PT-HD                         |                       |          |          |            |                                                |                                   |  |
| CONTROL-LVFA<br>(see page 7 for detail) | Fixture<br>Controller | -        | -        | 12V DC     | Bluetooth Mesh<br>On/Off/Dimming<br>Scheduling | AVI-ON<br>Bluetooth<br>Mobile App |  |



SENSOR-PH-PB-U



SENSOR-PH-PT-U/H



SENSOR-PH-PT-HD



CONTROL-LVFA

## 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

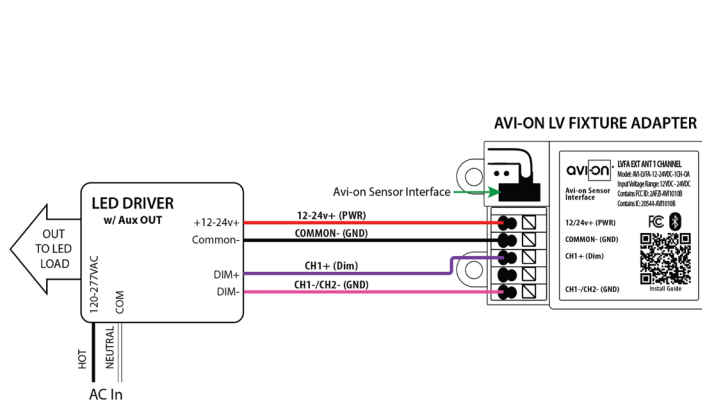
## SPECIFICATIONS

**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)

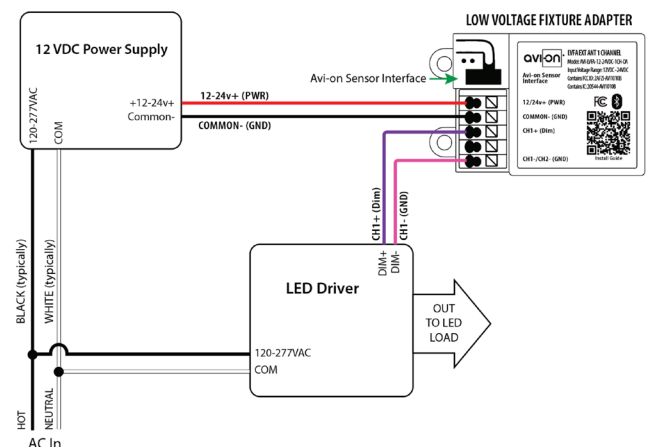
**RADIO FREQUENCY:** 2.4GHz  
**WIRELESS STANDARD:** BLE 4.2 with Mesh  
**POINT TO POINT RANGE\*:** 80ft with obstructions  
 350ft unobstructed  
**SECURITY:** AES 128-bit encryption for device to device communication  
 AES 256-bit encryption for device to cloud communication  
**WARRANTY:** 5 years;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