

**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**

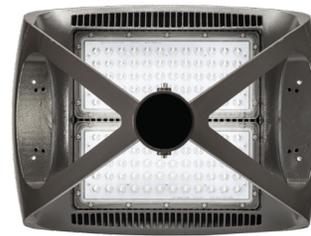
Corrosion resistant Black, Graphite Metallic, Gray, Silver, White, Custom RAL#.

**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



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**ORDER INFORMATION** **EXAMPLE : PT 100 40 5M DB UD**

Fixture	Series	Power & LM	CCT	Distribution	Finish	Input
	<b>PT</b>					

**A SERIES**

PT	Post Top Area Light
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**B POWER & LM**

Code	Power	LM
<b>DW</b>	Specify	Dialable driver output range between: 6000lm ~ 34500lm
<b>100</b>	100W	12000lm
<b>150</b>	150W	18000lm
<b>200</b>	200W	23000lm
<b>300</b>	300W	34500lm

**C CCT**

40	4000K
50	5000K

**D DISTRIBUTION**

3M	Type III Medium
5M	Type V Medium

**E FINISH**

<b>Standard</b>						
<b>DB</b>	Dark Bronze					
<b>Custom Color</b>						
<b>CC</b>	<b>BK</b>	Black	<b>GM</b>	Graphite Metallic	<b>GR</b>	Gray
	<b>SV</b>	Silver	<b>WH</b>	White	<b>RAL#</b>	

**F INPUT**

UD	110-277V, 1-10V Dimming
HD	347/480V, 1-10V Dimming

**ORDER INFORMATION (CONTINUED)**

Accessories  
 Options

**G MOUNTING**

blank                    2-3/8" Tenon Adapter

**H ACCESSORIES/OPTIONS**

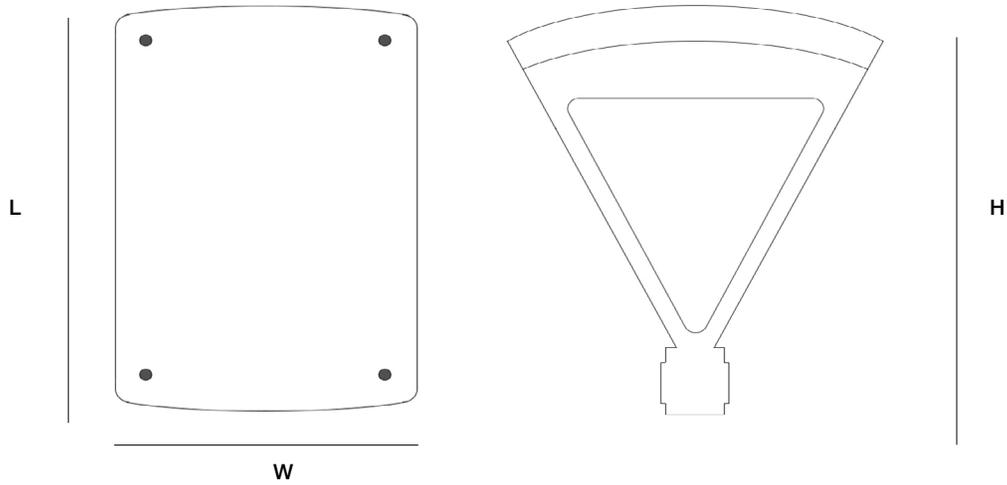
<b>BAA</b>	Assembled in America, compliant with BAA (COTS)
<b>3000K</b>	3000K CCT
<b>FAD</b>	Customized Output (Consult Factory)
<b>SENSOR-PH-PB-U*</b>	Button Style Photocell
<b>SENSOR-PH-PT-U / UD / HD*</b>	Twist Lock Photocell / <b>U:</b> 120-277V, <b>UD:</b> 120-277V, <b>HD:</b> 480V input
<b>MOUNT-3SQR-SP-D</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

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**DIMENSIONS**

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



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### 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

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**SENSOR SPEC**

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



SENSOR-PH-PB-U



SENSOR-PH-PT-U/H



SENSOR-PH-PT-HD



CONTROL-LVFA

**CONTROL-LVFA SPEC**

**Status LEDs & Config Button**

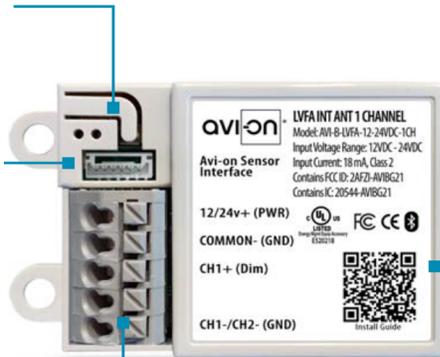
Quick and easy validation of wiring and network

**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

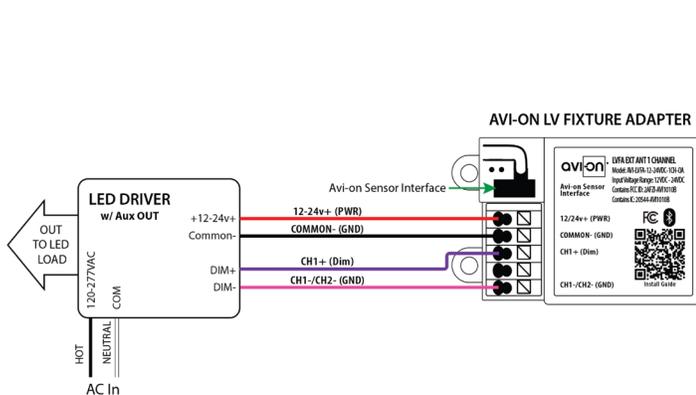
**SPECIFICATIONS**

**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)

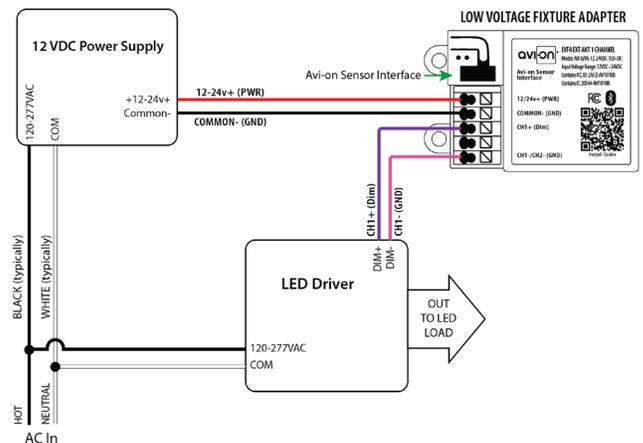
**RADIO FREQUENCY:** 2.4GHz  
**WIRELESS STANDARD:** BLE 4.2 with Mesh  
**POINT TO POINT RANGE\*:** 80ft with obstructions  
 350ft unobstructed  
**SECURITY:** AES 128-bit encryption for device to device communication  
 AES 256-bit encryption for device to cloud communication  
**WARRANTY:** 5 years;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