

# PFX-3605

Canopy Luminaire Sensor Ready

STANDARD



## HOUSING

- Premium powder-coat, die cast aluminum, Bronze or White housing.

## ELECTRICAL

- Operating temperature (ambient): -40°C to 45°C (-40°F to 113 F) .
- Universal 120-277 AC voltage (50-60Hz) is standard.
- 0-10V DC dimming drivers are standard.
- Integrated photocell is standard. Photocell can be enabled or disabled by switch.
- Input transient surge protection = 6kV.
- PF > 0.9; THD < 20%.

## OPTICAL SYSTEM

- Polycarbonate lens.
- Field selectable 3000K (warm white), 4000K (neutral white) and 5000K (cool white) color temperatures.\*
- Provides a range of 3,000 to 12,000 nominal lumens.\*
- Long-life LEDs provide 167,000 hours of operation with at least 70% of initial lumen output (L70), and 51,000 hours with at least 90% of initial lumen output (L90).\*\*
- Beam angle 135°.
- Screw in sensor ready. Sensor and remote control sold separately. Remote control required to change factory sensor settings.
- LED chromaticity based on < 6-step ANSI quadrangles.
- LED color maintenance <- 0.0024 chromaticity shift ( $\Delta u'v'$ ) over the initial 6,000 hours of operation.
- Color Rendering Index > 80.

\* Default kelvin temperature 4000k and highest lumen output.

\*\* L70 & L90 hours are IES TM-21-11 calculated hours.

## MOUNTING

- Surface mounting.

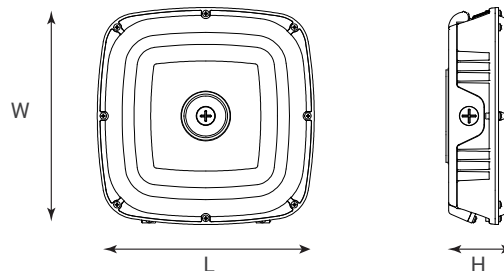


## CODE

- cULus listed for wet locations.
- DLC premium listed
- Complies with FCC Part 15, class A.
- IP65 rated for ingress protection.
- IK10 rated for impact protection.

## WARRANTY / LISTING

- 5 year warranty on all electronics and housing.



Model #	L (in)	W (in)	H (in)	Weight (lbs)
PFX 3605 1210863L-3CCT	10	10	3.18	4.69

## ORDERING GUIDE

Example: PFX-3605-1210863L-3CCT-WHT

Model	Nominal Lumen Output (selectable)			Kelvin (selectable)		Housing Color
PFX-3605	1210863L	12,000/ 10,000/ 8,000/ 6,000/ 3,000 lm		3CCT	3000/ 4000/ 5000K	BRZ Bronze WHT White

### Disclaimer:

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## ACCESSORIES (ORDER SEPARATELY)

- Sensor**
- HD09VR-PH5-1 = Passive infrared sensor - maximum mounting height = 39 FT
  - HD09VR-MH5-1 = Microwave step-dimming sensor - maximum mounting height = 49 FT
  - HD05R = Remote control for HD09VR series Sensors (required to change factory settings)
- \*HD09VR series has 5-dial setting capability.**

**Factory settings for Sensor :** detection area =100%, hold time = 5 sec, stand-by period = 0 sec, stand-by dimming level = 10%, daylight threshold = disabled

## LUMEN TABLES

Series	Measurements	20W			40W			60W		
		3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
PFX 3605 1210863L-3CCT	Lumens	3,334	3,393	3,549	6,406	6,701	6,819	8,319	8,808	8,892
	Watt	20.16	19.92	20.28	39.71	38.86	39.9	53.27	51.75	53.63
	Efficacy	165.38	170.33	175.00	161.32	172.44	170.90	156.17	170.20	165.80

Series	Measurements	68W			75W		
		3000K	4000K	5000K	3000K	4000K	5000K
PFX 3605 1210863L-3CCT	Lumens	9,539	10,143	10,153	10,938	11,715	11,556
	Watt	62.34	60.21	62.61	72.95	70.36	72.95
	Efficacy	153.02	168.46	162.16	149.94	166.50	158.41

## ELECTRICAL DATA

Series	CCT	Input Amps (A)														
		20W			40W			60W			68W			75W		
		120V	240V	277V	120V	240V	277V	120V	240V	277V	120V	240V	277V	120V	240V	277V
PFX 3605 1210863L-3CCT	3000K	0.17	0.08	0.07	0.33	0.17	0.14	0.44	0.22	0.19	0.52	0.26	0.23	0.61	0.30	0.26
	4000K	0.17	0.08	0.07	0.32	0.16	0.14	0.43	0.22	0.19	0.50	0.25	0.22	0.59	0.29	0.25
	5000K	0.17	0.08	0.07	0.33	0.17	0.14	0.45	0.22	0.19	0.52	0.26	0.23	0.61	0.30	0.26

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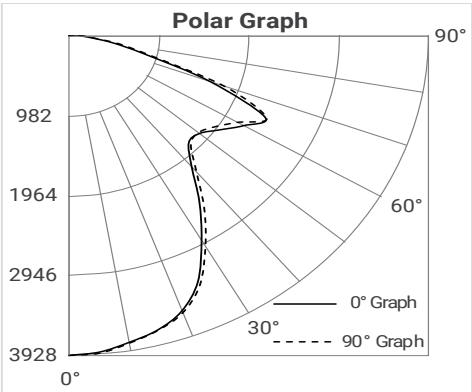


PHOTOMETRICS

PFX 3605-1210863L-3CCT

Luminaire Data	
Description	Canopy, Sensor Ready CCT and Lumen Select
Total Lumens	11,715
Input Wattage	70
Efficacy (lm/W)	167
Spacing Criterion (0-180°)	1.14
Spacing Criterion (90-270°)	1.16
Photometric calculated at 4000k and highest lumen setting.	

Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-20°	1,432	12.2%
0-30°	3,003	25.6%
0-40°	4,674	39.9%
20-50°	4,723	40.3%
40-70°	4,973	42.5%
0-60°	7,683	65.6%
0-80°	11,036	94.2%
0-90°	11,514	98.3%
90-180°	201	1.7%
0-180°	11,715	100.0%



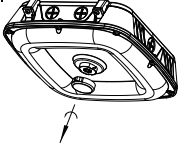
COMPATIBLE DIMMERS AND CONTROLS

Manufacturer	Model Number	Dimmer Range	Load Switching Capacity
Leviton	IP710-LFZ	10%-100%	1200W
Lutron	DVSTV	10%-100%	450W

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## Sensor Installation:

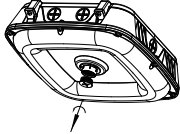
1. Remove the Zhaga receptacle gasket cover according to the arrow direction.



2. Install the Zhaga sensor on the Zhaga receptacle.



1. Remove the plug-in receptacle screw plug according to the arrow direction.



2. Install the plug-in sensor on the plug-in receptacle.



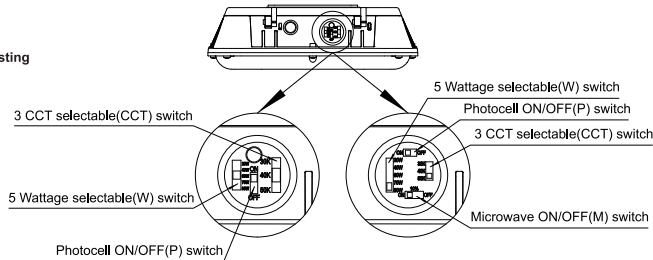
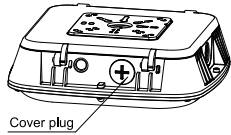
## FUNCTION ADJUSTMENT

Follow instructions below to change the Fixture Power (W) and/or Color Temperature (CCT) from factory settings:  
Factory Default Settings: Max wattage, 5000K

1. Remove the selector switch cover plug as shown in the figure.
2. Select Color Temperature(CCT), Power (W), Photocell ON/OFF(P) position, and/or Microwave ON/OFF(M) position by sliding the respective switch to the desired value.



Do not operate with power on.  
Please turn off the power when adjusting the power or color temperature.



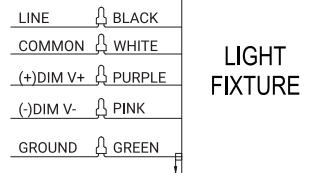
## WIRING INSTRUCTION

**WARNING: TURN OFF POWER BEFORE CONNECTING WIRES.**

Black wire connects to L, White wire connects to N, Green wire connects to GROUND.

For 0-10V dimming, the wiring direction as below

1. Turn off the power
  2. Connect the BLACK wire with the LINE.
  3. Connect the WHITE wire with the COMMON
  4. Connect the GREEN wire with the GROUND
  5. Connect the PURPLE wire with the(V+)DIM
  6. Connect the PINK wire with the(V-)DIM
- Caution: DO NOT connect the PINK(-)DIM V- wire with GROUND



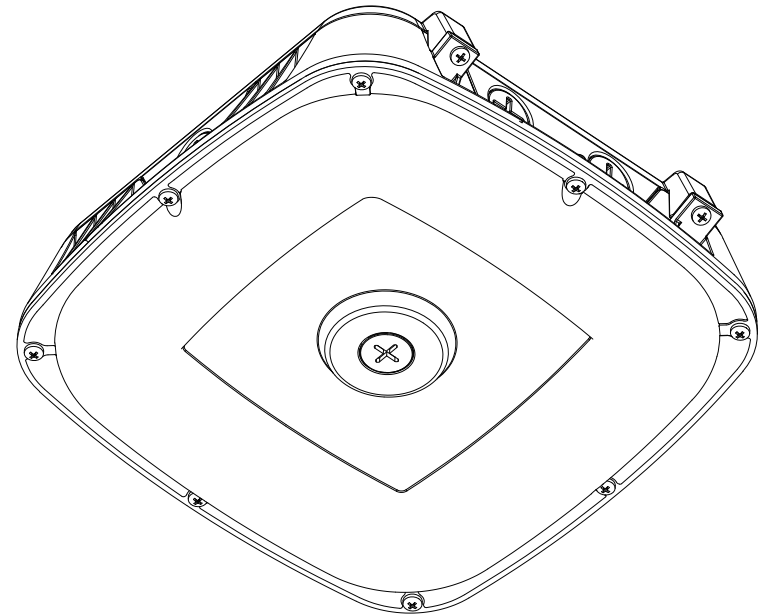
## MAINTENANCE AND CLEANING

**WARNING: TURN OFF POWER BEFORE MAINTENANCE AND CLEANING.**

1. Before touching the fixture, make sure the fixture is cooling.
2. Do not clean or maintain while the fixture is energized.
3. Clean the lens & fixture with a non-abrasive glass cleaning solution.
4. Do not open the fixture to clean and touch LED chips.

# LED Garage Canopy

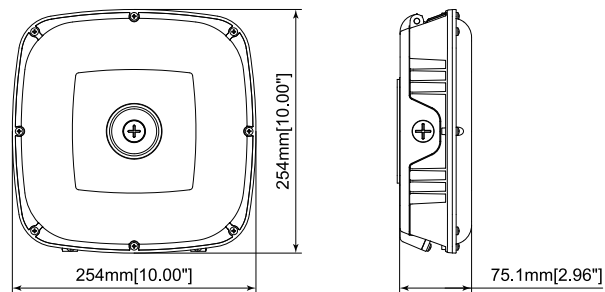
## Installation Instructions



80W



DIMENSIONAL DRAWING



IMPORTANT CAUTION

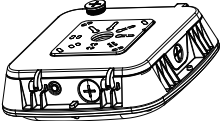
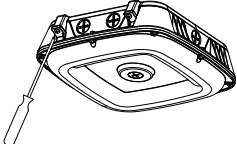
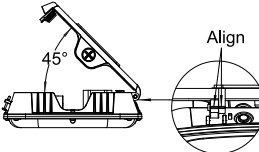

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

WARNING: TURN OFF POWER BEFORE INSTALLATION.

- 1. Review the diagrams before beginning, and make sure the fixture is grounded properly.
- 2. This fixture has to be installed or maintained in accordance with the application code by a professional person who is familiar with the construction and operation of the product and the hazards involved.
- 3. This fixture must be wired in accordance with the international electrical code and applicable local codes and ordinances.
- 4. Proper grounding is required to ensure personal safety. Carefully observe the correct grounding procedure under the installation section.
- 5. Check that the voltage is compatible with the fixture driver, and use approved connectors for all electrical connections.
- 6. Please do not disassemble, repair, or modify the light fixtures without permission. Avoid causing damage to the light fixtures and other undesirable consequences.

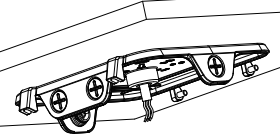
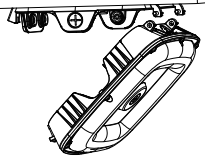
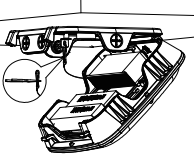
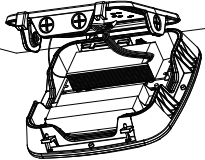
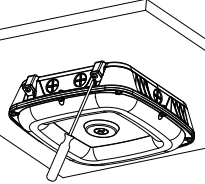
INSTALLATION

Preparation Before Installation:

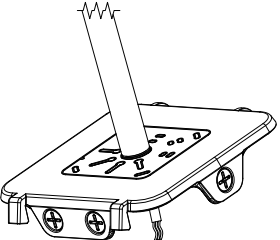
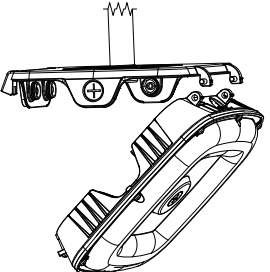
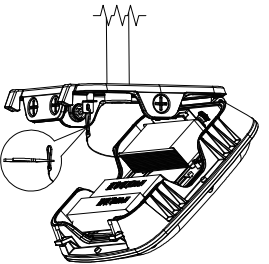
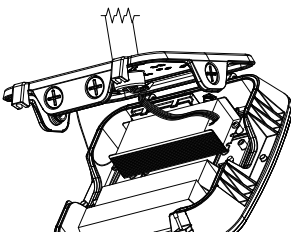
<p>1. Remove the plug from the top of the fixture to expose the NPT threads.</p> 	<p>2. Loosen the screws on the front of the housing.</p> 
<p>3. Let the front housing and the rear cover form a 45° angle by aligning with the scale at the shaft.</p> 	<p>4. Slide the front housing to detach from the rear cover.</p> 

INSTALLATION

Surface Mounting:

<p>1. Drill holes according to the mounting holes on the cover and fix the cover to the ceiling with mounting screws.</p> 	<p>2. Re-attach the front housing to the rear cover by connecting the hinges.</p> 	<p>3. Use the needle-nose pliers to unfasten the buckle on the safety rope and engage it in the hook of the upper cover.</p> 
<p>4. Turn off the power, make electrical connections as shown in the wiring diagram, use approved wiring connectors and wire to local codes.</p> 	<p>5. Close the housing and screw it down, be careful not to clamp the wires. Installation complete.</p> 	

Pendant Mounting:

<p>1. Fix the cover to the 3/4" threaded conduit pipe. Note: Seal thread using Teflon tape or silicone sealant</p> 	<p>2. Re-attach the front housing to the rear cover by connecting the hinges.</p> 	<p>3. Use the needle-nose pliers to unfasten the buckle on the safety rope and engage it in the hook of the upper cover.</p> 
<p>4. Turn off the power, make electrical connections as shown in the wiring diagram, use approved wiring connectors and wire to local codes.</p> 	<p>5. Close the housing and screw it down, be careful not to clamp the wires. Installation complete.</p> 