

## DESCRIPTION

Replace existing fluorescent wraparound fixtures with these wattage and color selectable LED stairwell fixtures to reduce maintenance and energy costs.

## FEATURES

- Efficiently replaces up to a 6 lamp fluorescent fixture
- Built in ultrasonic sensor allows light to automatically turn on when motion is detected and off again 1, 5, or 20 minutes after motion stops; See Ultrasonic Occupancy Sensor section for more information.
- Sensor detection range, time delays, and dimming level settings can be adjusted using the dip switches on the front of the fixture, see Sensor Setting Adjustment section for more information.
- Lumen output varies depending on the wattage and color temperature selected; see Selectable Chart for more information
- Wattage and color temperature are adjustable via switches on the driver; see installation instructions for more information

## LISTINGS

- UL rated for damp locations
- DesignLights Consortium® 5.1 Standard & Premium - meets the requirements for the highest DLC qualification for efficacy and lumen maintenance

## PERFORMANCE

- CRI: >80
- CCT: 3500K, 4000K and 5000K
- LED L70 Life Hours: >100,000 hours

## THERMAL

- -4°F to 122°F (-20°C to 50°C) operating temperature

## ELECTRICAL

- THD: <20%
- Power Factor: >0.9
- Input Voltage: 120-277V
- Surge Protection: 2kV

## INSTALLATION

- Designed for surface mounting; see installation instructions for more details

## CONSTRUCTION

- Steel housing with white finish
- PMMA lens protects LEDs while evenly distributing light

project name	type
catalog number	
comments	voltage
approved by	date



## WARRANTY

- 5 year limited warranty; see [pltsolutions.com](http://pltsolutions.com) for warranty details

## APPLICATIONS

- Stairways
- Bathrooms
- Utility and Storage Areas
- Hallways

# PERFORMANCE SUMMARY

Item #	Watts*	CCT*	CRI	Dimming	Voltage	Replaces	Length	DLC #	DLC Rating
PLT-90299	20/ 25/ 30	3500K/ 4000K/ 5000K	>80	No	120-277V	2 Lamp Fluorescent	2'	PLTMB11514	5.1 Premium
PLT-90300	30/ 35/ 45	3500K/ 4000K/ 5000K	>80	No	120-277V	3 to 4 Lamp Fluorescent	4'	PLTMB22514	5.1 Premium
PLT-90301	35/ 45/ 55	3500K/ 4000K/ 5000K	>80	No	120-277V	4 to 6 Lamp Fluorescent	4'	PLTMB23514	5.1 Standard

\* See Selectable Table for full breakdown

# SELECTABLE TABLE

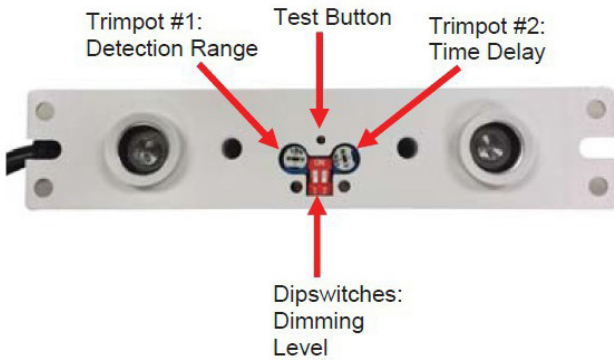
Item #	Wattage	CCT	Lumens	Efficacy
PLT-20299	20	3500K	2540	127
		4000K	2560	128
		5000K	2580	129
	25	3500K	3100	124
		4000K	3125	125
		5000K	3150	126
	30	3500K	3630	121
		4000K	3660	122
		5000K	3690	123
PLT-90300	30	3500K	3810	127
		4000K	3840	128
		5000K	3870	129
	35	3500K	4340	124
		4000K	4375	125
		5000K	4410	126
	45	3500K	5445	121
		4000K	5490	122
		5000K	5535	123
PLT-90301	35	3500K	4445	127
		4000K	4480	128
		5000K	4515	129
	45	3500K	5580	124
		4000K	5625	125
		5000K	5670	126
	55	3500K	6655	121
		4000K	6710	122
		5000K	6765	123

# ULTRASONIC OCCUPANCY SENSOR

Sensor Type	Ultrasonic occupancy sensor
Input Voltage   Current Consumption	12-24VDC   45mA sensor
0-10V Output	100mA, up to 50LED sink drivers
High	Vin-2.5V 100mA source
Low	100mA sink current
Mounting Height	Fixture-Wall Mount or ceiling mount at 8-12ft (2.4-3.7m) high
[Low/Med/High] MAX Range* (Wall Mounted)	13ft (4.0m) / 18ft (5.5m) (Default Setting) / 35ft (10.7m)
Time Delays	1min (Default Setting), 5min, 20min
Operating Temperature	-22°F to 158°F (-30° C to 70°C)
Storage Temperature	-40°F to 176°F (-40° C to 80°C)
Relative Humidity	90-95% non-condensing at 86°F (30°C)
Color	White

\* Results may vary based on mounting height, angle, floor material, and light of sight

## SENSOR SETTINGS ADJUSTMENT



Dipswitch 1	Dipswitch 2	DIM LEVEL
OFF	OFF	OFF (Default Setting)
OFF	ON	10%
ON	OFF	25%
ON	ON	50%

- Trimpot #1 on left adjusts motion detection range and sensitivity. Trimpot #2 on right adjusts time delay. Turn clockwise to increase, and counterclockwise to decrease.
- Test button sets the time delay to five seconds and runs for 5 minutes. The LED will flash 2 times to indicate that Test Mode has started. After 5 minutes (or push the Test Mode button again), the LED will flash 3 times. The sensors will then return to the selected Trimpot time delay setting.

# DIMENSIONS

## 2' DIMENSIONS

Length: 23.9"  
 Height: 4.9"  
 Width: 5.6"  
 Weight: 3.97 lbs



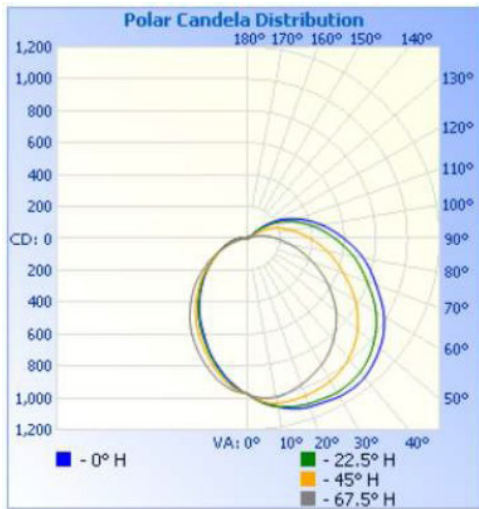
## 4' DIMENSIONS

Length: 47.9"  
 Height: 4.9"  
 Width: 5.6"  
 Weight: 8.05 lbs

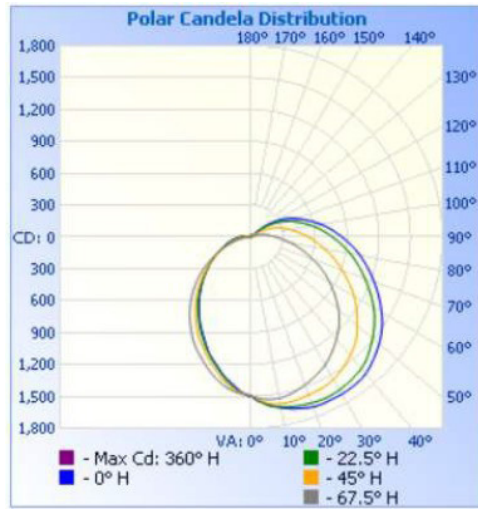


# PHOTOMETRICS

## PLT-20299 3500K



## PLT-20300 3500K



## PLT-20301 3500K

