



# Wattage and Color Selectable LED Strip Light Fixtures

## DESCRIPTION

Greatly reduce energy and maintenance costs by replacing existing fluorescent strip fixtures with these more efficient wattage and color selectable LED strip light fixtures.

## FEATURES

- Efficiently replaces up to an 8-lamp fluorescent fixture
- Delivers up to 133 LPW; output will vary depending on the wattage and color temperature selected
- Pre-installed IR motion sensor allows fixture (PLT-90544 only) to turn on or off automatically depending on the amount of light or activity detected in the area; see installation instructions for information on adjusting settings
- Built-in emergency backup operates fixture (PLT-50545 only) for at least 90 minutes in the event of a power failure, recharges in 24 hours, & has manual testing; see Emergency Operation section for more information
- 0-10V dimming
- Wattage and color temperature are adjusted via dip switches on the side of the fixture; see installation instructions for more details

## LISTINGS

- ETL rated for damp locations
- IP20
- IK08

## PERFORMANCE

- CRI: >80
- CCT: 3000K, 4000K, and 5000K
- LED L70 Life Hours: >72,000

## THERMAL

- -4°F to 113°F (-20°C to 45°C) operating temperature

## ELECTRICAL

- THD: <20%
- Power Factor: >0.9
- Input Voltage: 120-277V
- Dimmable power supply (0-10V)
- Surge Protection: 2kV

## INSTALLATION

- Designed for surface mounting (hardware included); see installation instructions for more details

## CONSTRUCTION

- Cold rolled steel housing with white finish
- Frosted PC lens protects LEDs while evenly distributing light

<b>Project name</b>	<b>Type</b>
<b>Catalog number</b>	
<b>Comments</b>	<b>Voltage</b>
<b>Approved by</b>	<b>Date</b>



## WARRANTY

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

## APPLICATIONS

- Storage Areas
- Utility Areas
- Garages
- Workshops
- Hallways

## PERFORMANCE SUMMARY

Item #	Watts*	CCT*	CRI	Dimming	Voltage	Replaces	Additional Features	Length
PLT-90542	18/ 30/ 45	3000K/ 4000K/ 5000K	>80	0-10V	120-277V	3 to 4 Lamp Fluorescent	N/A	4'
PLT-90543	60/ 75/ 90	3000K/ 4000K/ 5000K	>80	0-10V	120-277V	6 to 8 Lamp Fluorescent	N/A	8'
PLT-90544	18/ 30/ 45	3000K/ 4000K/ 5000K	>80	0-10V	120-277V	3 to 4 Lamp Fluorescent	Built-In Motion Sensor**	4'
PLT-90545	18/ 30/ 45	3000K/ 4000K/ 5000K	>80	0-10V	120-277V	3 to 4 Lamp Fluorescent	Built-In Emergency Backup***	4'

\*See Selectable Table for full breakdown

\*\*See Motion Sensor Specifications for more information

\*\*\*See Emergency Operation section for more information

## SELECTABLE TABLE

SKU	Wattage	CCT	Lumens	Efficacy
PLT-90542 PLT-90544 PLT-90545	18	3000K	2400	133
		4000K	2360	131
		5000K	2380	132
	30	3000K	4000	133
		4000K	3930	131
		5000K	3950	132
	45	3000K	6000	133
		4000K	5900	131
		5000K	5950	132
PLT-90543	60	3000K	7950	133
		4000K	7830	131
		5000K	7960	133
	75	3000K	9930	132
		4000K	9790	131
		5000K	9950	133
	90	3000K	11920	132
		4000K	11750	131
		5000K	11940	133

## Motion Sensor Specifications (PLT-90544 Only)

Sensor Type	Integrated Motion
Input Voltage	12V
Standby Power (W)	1mW
Dimming Range	0-100%
Mounting Height	10' to 15'
Max. Coverage Diameter	20'
Sensor Range	20'
Default Settings	<ul style="list-style-type: none"> <li>Brightness – 100%</li> <li>Sensitivity – 100%</li> <li>Hold Time – 10 minutes</li> <li>Daylight Threshold – Disabled</li> <li>Stand-by Dimming Level – 20%</li> <li>Stand-by Period – 15 minutes</li> </ul>

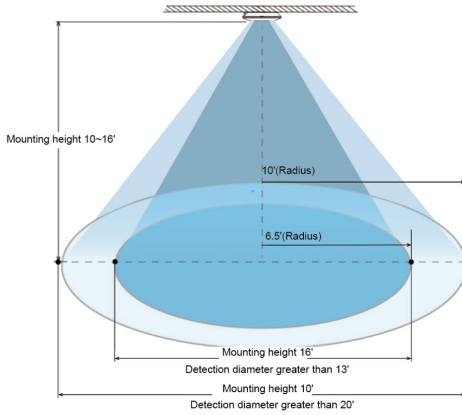
## Emergency Operation (PLT-90545 Only)

Operation	90 Minutes
Charging Time	≥24 Hours
Input Voltage	120-277V, 50/60Hz
Output Power	15W
Output Lumens	1500
Testing	Manual
Indicator Light Location	Side of fixture
Indicator Light - Red	Charging
Indicator Light - OFF	Discharging

## OPTIMAL MOUNTING HEIGHTS

SKU	Height
PLT-90542	8 to 10'
PLT-90543	15 to 20'
PLT-90544	8 to 10'
PLT-90545	8 to 10'

## MOTION SENSOR DETECTION DIAGRAM (PLT-90544 ONLY)



## DIMENSIONS

### PLT-90542 DIMENSIONS

Length: 47.24"  
 Height: 2.48"  
 Width: 2.87"  
 Weight: 4.6 lbs

### PLT-90543 DIMENSIONS

Length: 93.7"  
 Height: 2.48"  
 Width: 2.87"  
 Weight: 9.3 lbs

### PLT-90544 DIMENSIONS

Length: 47.24"  
 Height: 2.48"  
 Width: 2.87"  
 Weight: 5 lbs

### PLT-90545 DIMENSIONS

Length: 47.24"  
 Height: 2.48"  
 Width: 2.87"  
 Weight: 6.3 lbs

## PHOTOMETRICS

