



## DESCRIPTION

Eliminate ballast maintenance costs and compatibility issues by retrofitting existing fluorescent fixtures with these ballast bypass LED T8 splint joint tubes.

## FEATURES

- Frosted glass lens reduces visual glare
- Instantaneous full light output upon power-up
- Operates directly off of line voltage, no ballast needed
- Suitable for use in totally enclosed fixtures
- Solid state replacement for 8 ft. 59W T8 tubes
- Comes as two 4' sections that connect in the middle turning it into an 8ft. tube, see Installation Instructions for more information
- Comes with Fa8 and R17d end cap adapters
- Delivers up to 125 Lumens per Watt for highly efficient performance; output changes depending on the color temperature selected, see Selectable Table for full breakdown
- Ballast must be removed, and fixture rewired for single-ended operation during installation; see installation instructions for more information
- Color temperature can be adjusted using the slider switch on the end of the tube; see installation instructions for more information.

## LISTINGS

- UL Listed for damp locations
- FCC
- NSF – PET Coating
- DesignLights Consortium® 5.1 Standard - meets the requirements for the highest DLC qualification for efficacy and lumen maintenance; DLC PN: PLTP24292

## WARRANTY

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

Project name	Type
Catalog number	
Comments	Voltage
Approved by	Date



## APPLICATIONS

- Office Lighting
- High Bays
- Industrial Strips
- Warehouses
- Stairwells
- Cold Storage

PERFORMANCE	Power Consumption*	42W
	CRI	80
	Beam	220°
	CCT*	3000K, 3500K, 4000K, 5000K, 6500K
	LED L70 Life Hours @25°C	60,000
ELECTRICAL	Power Factor	>0.9
	THD	20%
	Input Voltage	120-277V
CONSTRUCTION	Operating Temperature	-4°F to 113°F (-20°C to 45°C)
	Base	Fa8 or R17d
	Lens	Frosted Glass
	Coating	PET
LISTINGS	Certifications	UL Listed; FCC; NSF; DLC 5.1 Standard
	Environment	Suitable for use in enclosed fixtures - Damp Location Rated

\*See Selectable Table for full breakdown

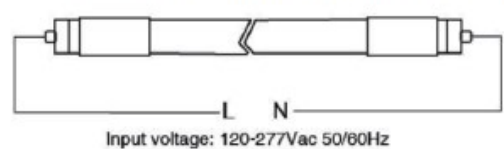
PERFORMANCE SUMMARY

Item #	Length*	Watts*	CCT*	CRI	Beam	Envelope	L70 Life Hours	DLC #	DLC Level
PLT-60051	8'	42	3000K/ 3500K/ 4000K/ 5000K/ 6500K	80	200°	Glass	60,000	PLTP24292	5.1 Standard

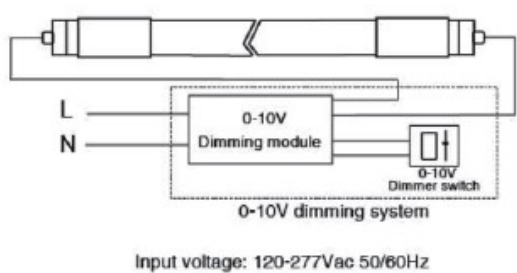
\*When fully assembled  
\*See Selectable Table for full breakdown

WIRING DIAGRAM

Case 1: Direct AC wiring diagram without dimming



Case 2: Direct AC wiring diagram with 0-10V dimming system



Note: Dimming module must be purchased for dimming. Do not dim without the proper module. PLT Solutions.

SELECTABLE TABLE

Wattage	Voltage	CCT	Lumens	LPW
42W	120V	3000K	5040	120
		3500K	5250	125
		4000K	5250	125
		5000K	5250	125
		6500K	5040	120
	277V	3000K	5040	120
		3500K	5250	125
		4000K	5250	125
		5000K	5250	125
		6500K	5040	120

DIMENSIONS



DIMENSIONS:

Length (fully assembled) – 93.29"  
Diameter – 1"

WARNINGS

- Not for use with ballasts.
- Not for use with dimmers.
- Once tubes are fully assembled, they cannot be taken back apart.