



**DESCRIPTION**

Eliminate ballast maintenance costs and compatibility issues by retrofitting existing fluorescent fixtures with these ballast bypass LED T8 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. F96T8 and F96T12 tubes with single pin (Fa8) bases
- Delivers up to 138 Lumens per Watt for highly efficient performance
- Ballast must be removed, and fixture rewired for double-ended operation during installation; see installation instructions for more information
- Wattage and output vary depending on installation method, see Wattage Table for full breakdown

**LISTINGS**

- UL Listed for damp locations
- FCC
- RoHS
- DesignLights Consortium® 5.1 Standard - meets the requirements for the highest DLC qualification for efficacy and lumen maintenance; DLC PN: PLTSP2K216

**WARRANTY**

- 5-year prorated warranty; see pltsolutions.com for warranty details

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



**APPLICATIONS**

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

<b>PERFORMANCE</b>	<b>Power Consumption</b>	40W
	<b>Lumens</b>	5500
	<b>Efficacy (LPW)</b>	138
	<b>CRI</b>	80
	<b>Beam</b>	210°
	<b>CCT</b>	4000K, 5000K, 6500K
<b>ELECTRICAL</b>	<b>LED L70 Life Hours</b>	>50000
	<b>Power Factor</b>	0.9
	<b>THD</b>	25%
<b>CONSTRUCTION</b>	<b>Input Voltage</b>	120-277V
	<b>Operating Temperature</b>	-4°F to 113°F (-20°C to 45°C)
	<b>Base</b>	FA8
	<b>Lens</b>	Frosted
<b>LISTINGS</b>	<b>Certifications</b>	UL Listed; FCC; DLC 5.1 Standard
	<b>Material Usage</b>	RoHS - No mercury or lead
	<b>Environment</b>	Suitable for Damp Locations

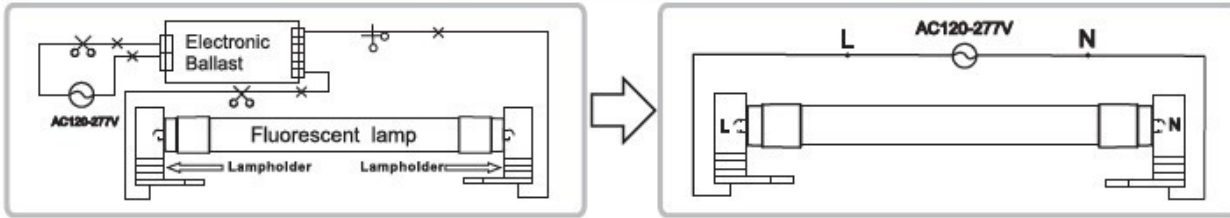
## PERFORMANCE SUMMARY

Item #	Length	Lumens	Watts	LPW	CCT	CRI	Beam	Envelope	Base	L70 Life Hours	DLC #	DLC Level
PLT-90361	8'	5500	40	138	6500K	80	200°	Glass	FA8	>50,000	PLTSP2K216	5.1 Standard

## WIRING DIAGRAM

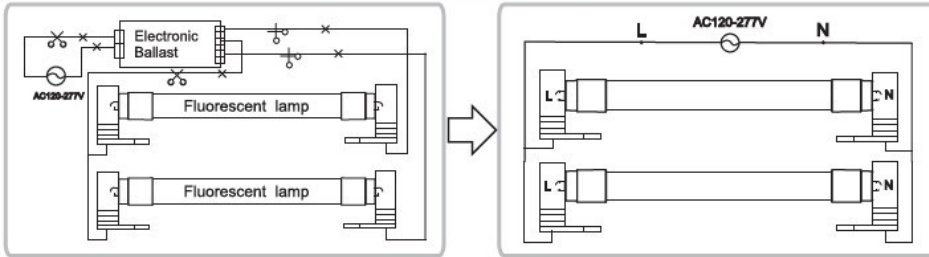
### FA8 BASE 8' TYPE B NON-DIMMING – ELECTRONIC BALLAST, 1 LAMP

#### Retrofit luminaire with 1 lamp



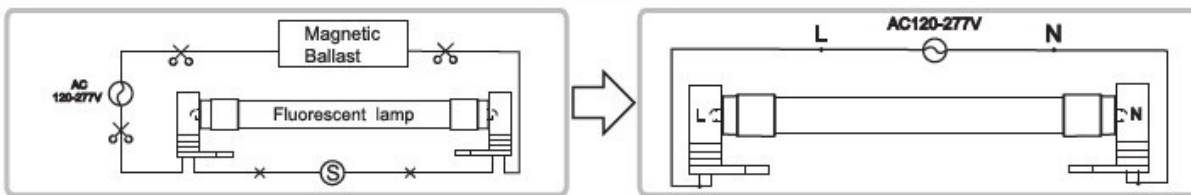
### FA8 BASE 8' TYPE B NON-DIMMING – ELECTRONIC BALLAST, 2 LAMPS

#### Retrofit luminaire with 2 lamps



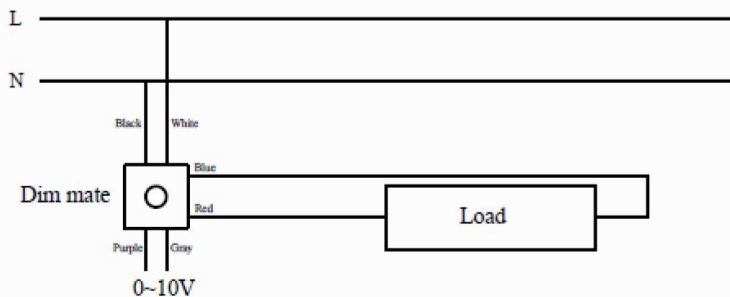
### FA8 BASE 8' TYPE B NON-DIMMING – MAGNETIC BALLAST

#### Retrofit luminaire Magnetic Ballast



### FA8 BASE 8' TYPE B DIMMING

0-10V continuous dimming by selected Dimming Mate. Please refer to the wiring diagram below. 'Dimmable via an external accessory' in definition of DLC V5.1

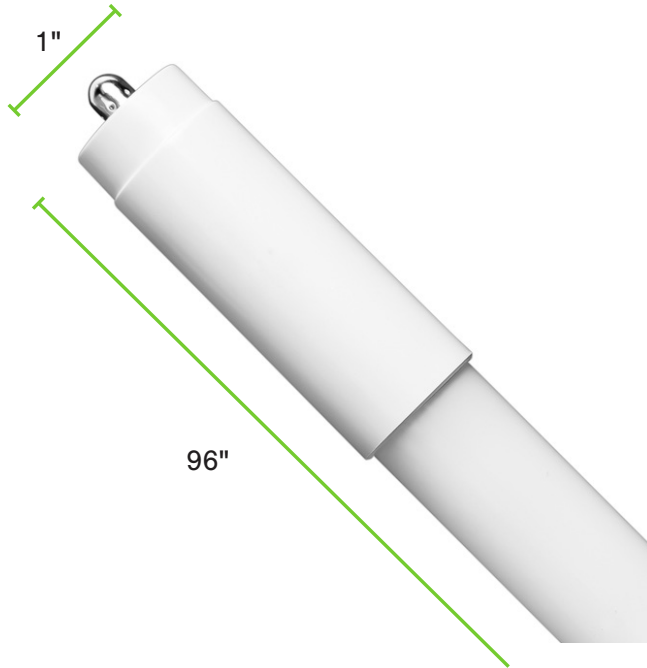


## DIMENSIONS

### **DIMENSIONS**

Length – 96"

Diameter – 1"



## WARNINGS

- Not for use with ballasts.