



**DIRECT DRIVE LED**  
LINE VOLTAGE T8 TUBES

# KT-LED18T8-48P-835-D-VDIM

## DIMMABLE T8 LED LAMP

### DESCRIPTION

0-10V Dimmable DirectDrive T8 LED Tube | 3500K | >80 CRI | 120-277V Input



**LAMP TYPE:** Linear

**BULB TYPE:** T8 LED

**BASE TYPE:** G13 (Medium Bi-Pin)

**WATTAGE:** 18W

**COLOR TEMPERATURE:** 3500K

**DIMMING TYPE:** 0-10V

**WARRANTY:** 5 Years

### PRODUCT FEATURES

- Dimmable Via 0-10V Dimming Controls
- Replacement for Conventional Fluorescent Lamp
- 50,000+ Hour Lifetime
- Approximately 40% More Energy Efficient Than Standard F32T8 Lamps
- Environmentally Friendly: No Mercury Used
- Instant Start Up
- Frosted Lens Eliminates Pixelation
- UL Classified
- Operating Temperature: -20°C/-4°F to 55°C/131°F
- Integral Driver (Non-Isolated), Eliminates the Need for External Driver or Ballast
- 100+ Lumens per Watt
- Plastic/Aluminum Construction

### OPERATING SPECIFICATIONS

#### ELECTRICAL CHARACTERISTICS

Input Voltage	Power Consumption	Power Factor	Input Current
120-277Vac	18W	>0.9	0.15A @ 120V 0.07A @ 277V

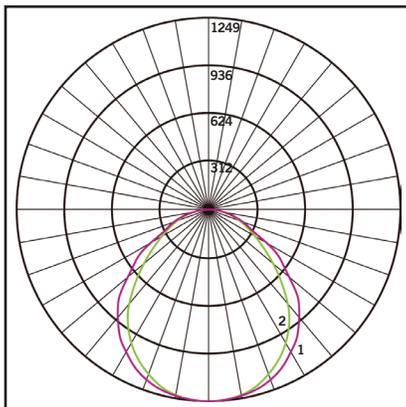
#### PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	3500K
Luminous Flux	1950 lm
Color Rendering Index (CRI)	>80
Efficacy	108 lm/W
Beam Angle	120°

#### RATED LIFE

L70 (Hours)	50,000
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#### POLAR CANDELA DISTRIBUTION



Maximum Candela = 1248.55  
Located at Horizontal Angle = 0,  
Vertical Angle 0

1. **Violet** Vertical Plane through Horizontal Angles (90-270)
2. **Green** Vertical Plane through Horizontal Angles (0-180)



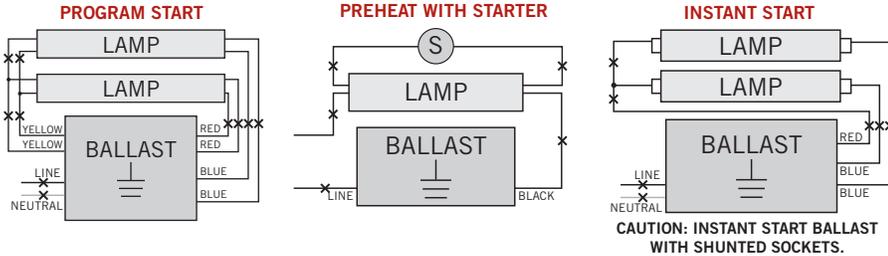
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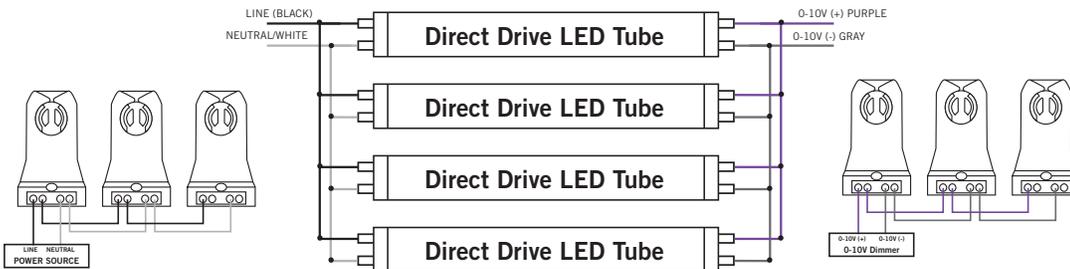
### WIRING DIAGRAMS

1. Cut all existing connections to ballast as shown below and remove ballast.

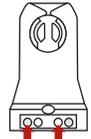
Typical Ballast Configurations:



2. Re-wire fixture as shown below.



#### Typical Non-Shunted Lampholder



Connect wires directly to these terminals

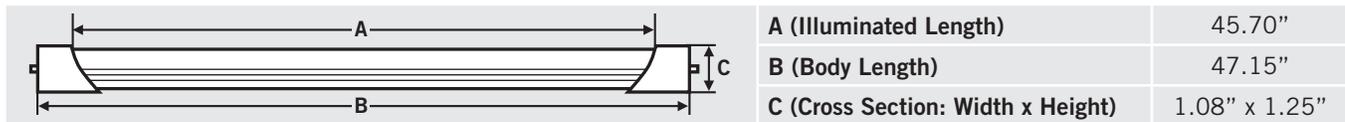
#### CAUTION: Use only non-shunted lampholders.

Do not install product in a fixture with shunted lampholders (found in all fixtures using instant start ballasts). If the current lampholders are shunted, remove them and replace them with non-shunted lampholders. Make new connections directly to terminals as indicated above.

Keystone can provide any style replacement lampholders. Call us at 800-464-2680.

### PHYSICAL CHARACTERISTICS

#### LAMP DIMENSIONS



NOMINAL LENGTH: 48" BASE TYPE: G13 (Medium Bi-Pin)

### ORDERING INFORMATION

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KT-LED18T8-48P-835-D-VDIM-CP	Carton Pack (Egg Crate Packaging)	20	Quick Ship
KT-LED18T8-48P-835-D-VDIM-DP	Distributor Pack (Individual Cartons)	20	Quick Ship

### CATALOG NUMBER BREAKDOWN

# KT-LED18T8-48P-835-D VDIM-CP

