



# DIRECT DRIVE LED

LINE VOLTAGE T8 TUBES

## KT-LED9T8-48G-840-D

T8 LED LAMP

### DESCRIPTION

9W T8 LED | 4000K | >83 CRI | High Efficiency



<b>LAMP TYPE:</b> Linear
<b>BULB TYPE:</b> T8 LED
<b>BASE TYPE:</b> G13 (Medium Bi-Pin)
<b>WATTAGE:</b> ~9W
<b>COLOR TEMPERATURE:</b> 4000K
<b>COLOR RENDERING INDEX (CRI):</b> >83
<b>WARRANTY:</b> 5 Years



### PRODUCT FEATURES

- Replacement for conventional fluorescent lamp
- 50,000+ hour lifetime
- Approximately 50% more energy efficient than standard F32T8 lamps
- Environmentally Friendly: No mercury used
- Instant startup
- Frosted lens eliminates pixelation

- UL Verified low optical flicker
- UL Classified
- Operating temperature: -20°C/-4°F to 45°C/113°F
- Integral driver (Isolated) eliminates the need for external driver or ballast
- Approximately ~175 lumens per watt

### OPERATING SPECIFICATIONS

#### ELECTRICAL CHARACTERISTICS

Input Voltage	Power Consumption	Power Factor	Input Current
120-277Vac	~9.2W	>0.9	0.12A @ 120V 0.05A @ 277V

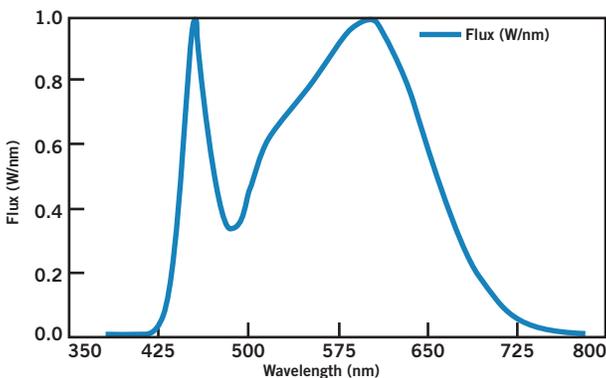
#### PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	4000K
Luminous Flux	1650 lm
Color Rendering Index (CRI)	>83
Efficacy	183 lm/W
Beam Angle	240°
Visible Light Area	325°

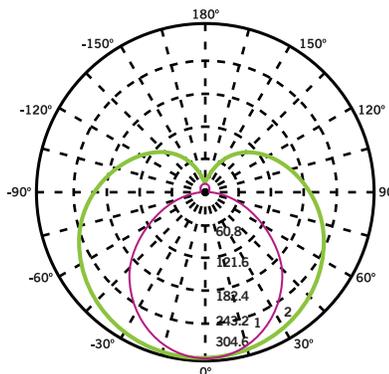
#### RATED LIFE

L70 (Hours)	50,000
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#### SPECTRAL DISTRIBUTION



#### 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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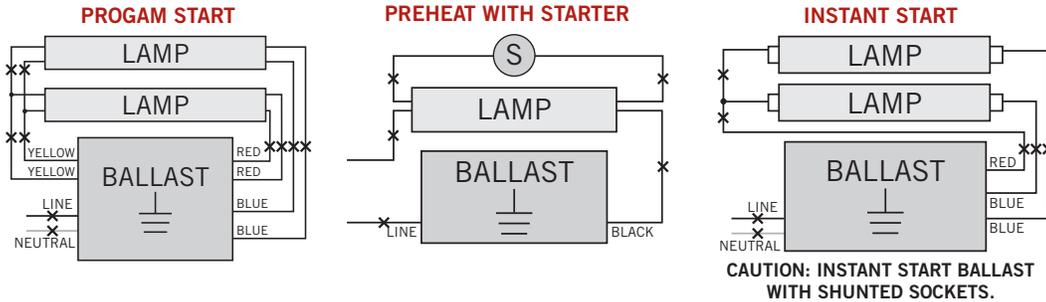
## KT-LED9T8-48G-840-D

T8 LED LAMP

### WIRING DIAGRAMS

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

#### Typical Ballast Configurations:



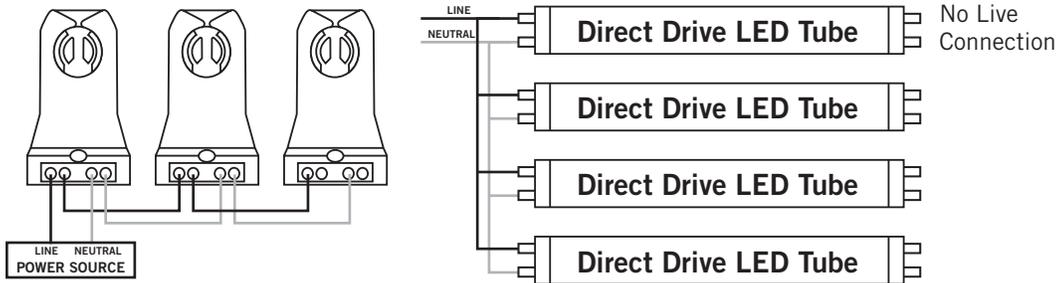
**Typical Non-Shunted Lampholder**

Connect wires directly to these terminals

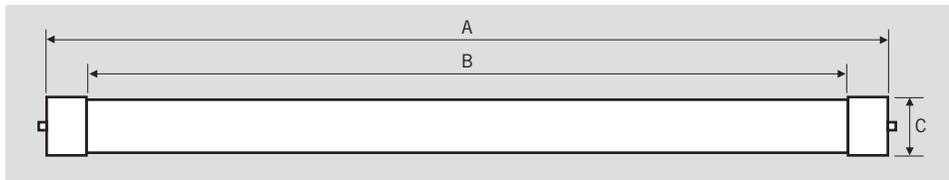
**CAUTION: Use only non-shunted lampholders.**  
 Do not install product in a fixture with shunted lampholders (found in all fixtures using instant start ballasts). If the current lampholders are shunted, remove them and replace them with non-shunted lampholders. Make new connections directly to terminals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

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

2. Re-wire fixture as shown below.



### PHYSICAL CHARACTERISTICS



### LAMP DIMENSIONS

A (Body Length)	47.15"
B (Illuminated Length)	47.15"
C (Diameter)	1.10"

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

### ORDERING INFORMATION

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KT-LED9T8-48G-840-D-CP	Carton Pack (Egg Crate Packaging)	25	Quick Ship

### CATALOG NUMBER BREAKDOWN

# KT-LED9T8-48G-840-D-CP

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

- 1 Keystone Technologies
- 5 Nominal Length (Inches)
- 9 DirectDrive Series
- 2 LED Lamp
- 6 Glass
- 10 Packaging Style
- 3 Wattage
- 7 800 Series
- 4 Lamp Type
- 8 Color Temperature