SINCE 1945 KEYSTONE | DIRECT DRIVE RE-WIRE T8 LED TUBES

# KT-LED9T8-24G-830-D

## T8 LED LAMP

## DESCRIPTION

9W T8 LED | 3000K | >83 CRI | High Efficiency

RoHS Compliant | 5 YEAR WARRANTY

- **LAMP TYPE:** Linear
- **BULB TYPE:** T8 LED
- **BASE TYPE:** G13 (Medium Bi-Pin)
- **WATTAGE:** 9W
- **COLOR TEMPERATURE:** 3000K
- **COLOR RENDERING INDEX (CRI):** >83
- **WARRANTY:** 5 Years




## PRODUCT FEATURES

- Replacement for Conventional Fluorescent Lamp
- Listed on DLC Qualified Product List
- 50,000+ Hour Lifetime
- Environmentally Friendly: No Mercury Used
- Instant Startup
- Frosted Lens Eliminates Pixelation
- UL Classified
- Operating Temperature: -20ºC/-4ºF to 45ºC/113ºF
- Integral Driver (Isolated), Eliminates the Need for External Driver or Ballast
- 100+ Lumens per Watt

## OPERATING SPECIFICATIONS

### ELECTRICAL CHARACTERISTICS

| Input Voltage | Power Consumption | Power Factor | Input Current |
|---|---|---|---|
| 120-277Vac | 9W | >0.9 | 0.08A @ 120V<br>0.04A @ 277V |

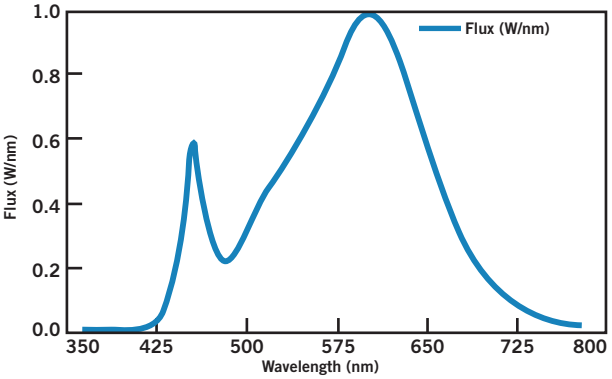
### PHOTOMETRIC CHARACTERISTICS

| | |
|---|---|
| **Color Temperature (CCT)** | 3000K |
| **Luminous Flux** | 900 lm |
| **Color Rendering Index (CRI)** | >83 |
| **Efficacy** | 100 lm/W |
| **Beam Angle** | 240º |
| **LED Quantity** | 48 |

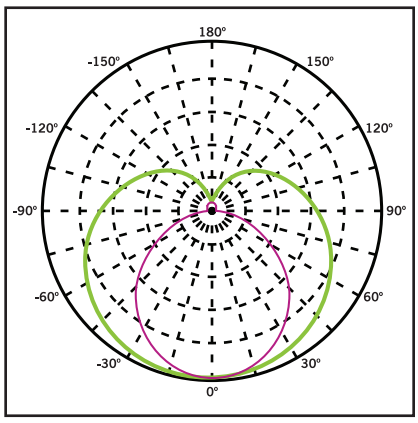
### RATED LIFE

| | |
|---|---|
| **L70 (Hours)** | 50,000 |

### 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)

**Keystone Technologies** • 208 Progress Drive, Montgomeryville, PA 18936 • Phone (800) 464-2680 • Fax (888) 966-0556 • **www.keystonelamp.com**

Specifications subject to change. Last revised on 12.30.14

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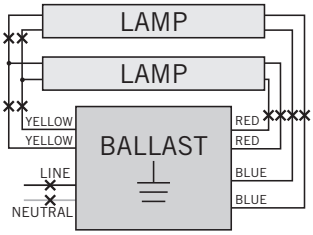
T8 LED LAMP

## WIRING DIAGRAMS

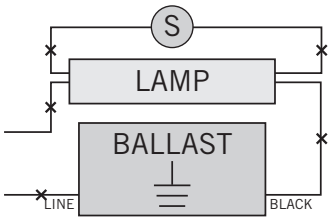
1. Cut all existing connections to ballast as shown below and remove ballast.

**Typical Ballast Configurations:**

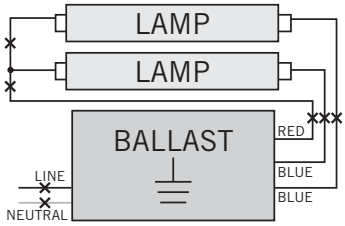
**PROGAM START**




**PREHEAT WITH STARTER**

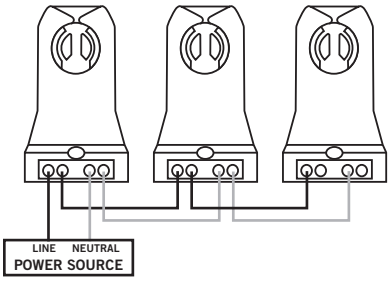


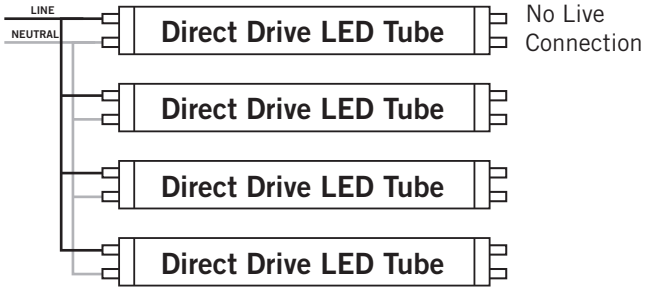

**INSTANT START**




**CAUTION: INSTANT START BALLAST WITH SHUNTED SOCKETS.**

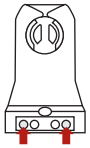
2. Re-wire fixture as shown below (maximum of 4 LED tubes per fixture).




No Live Connection

**Typical Non-Shunted Lampholder**



**Connect wires directly to these terminals**

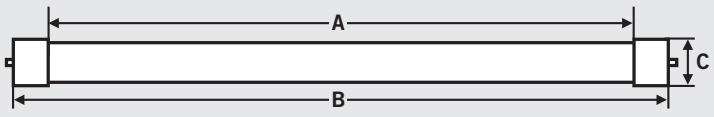
**CAUTION: Use only non-shunted lampholders.**

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




| | |
|---|---|
| **A (Illuminated Length)** | 20.31” |
| **B (Body Length)** | 23.19” |
| **C (Diameter)** | 1.10” |

**NOMINAL LENGTH:** 24” **BASE TYPE:** G13 (Medium Bi-Pin)

## ORDERING INFORMATION

| ORDER CODE | PACKAGING STYLE | PACK QTY. | ITEM STATUS |
|---|---|---|---|
| KT-LED9T8-24G-830-D-CP | Carton Pack (Egg Crate Packaging) | 25 | Quick Ship |
| KT-LED9T8-24G-830-D-DP | Distributor Pack (Individual Cartons) | 12 | Quick Ship |

## CATALOG NUMBER BREAKDOWN

**KT-LED9T8-24G-830-D-CP**

| Keystone Technologies | LED Lamp | Wattage | Lamp Type | Nominal Length (Inches) | Glass Case | 800 Series | Color Temp. | Direct Drive Series | Packaging Style |
|---|---|---|---|---|---|---|---|---|---|

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