



# KT-LED9T8-24G-840-S

## T8 LED LAMP

### DESCRIPTION

9W T8 LED | 4000K | >80 CRI | High Efficiency | Ballast Compatible



|   |
|---|
| <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> >80 |
| <b>WARRANTY:</b> 5 Years                |



### PRODUCT FEATURES

- Compatible with Most Instant and Program Start Electronic T8 Ballasts, Contact Keystone for Ballast Compatibility List
- Direct Replacement for F17T8 Fluorescent Lamps
- UL Listed; Was listed on DLC QPL prior to April 2017
- 50,000+ Hour Lifetime
- Environmentally Friendly: No Mercury Used
- Instant Startup
- Frosted Lens Eliminates Pixelation
- Operating Temperature: -20°C/-4°F to 45°C/113°F
- 100+ Lumens per Watt (Bare Lamp Efficacy)
- Suitable for Dry and Damp Locations

### OPERATING SPECIFICATIONS

#### ELECTRICAL AND PERFORMANCE CHARACTERISTICS

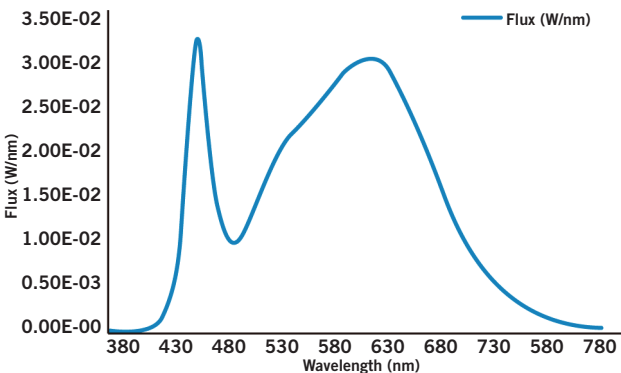
| Input Voltage     | CRI | Bare Lamp Wattage | Nominal Lamp Lumens | System Wattage* |        |        | Initial Lumens* |         |         | Beam Angle | Nominal Bare Lamp Efficacy | Power Factor | Max. THD |
|-------------------|-----|-------------------|---------------------|-----------------|--------|--------|-----------------|---------|---------|------------|----------------------------|--------------|----------|
|                   |     |                   |                     | 0.78BF          | 0.88BF | 1.18BF | 0.78BF          | 0.88BF  | 1.18BF  |            |                            |              |          |
| Ballast Dependent | >80 | 9W                | 1150 lm             | 10.2W           | 11.8W  | 15.2W  | 1020 lm         | 1170 lm | 1490 lm | 220°       | 127.0                      | >0.9         | 20%      |

\* Nominal values. Actual values may vary depending on electronic ballast used.

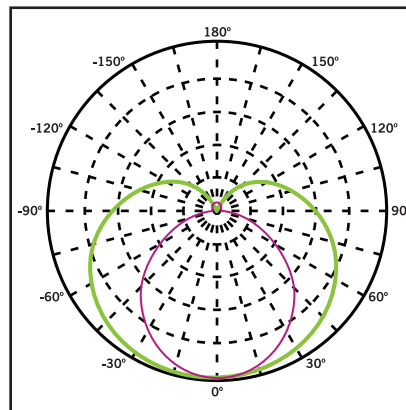
#### RATED LIFE

|             |        |
|-------------|--------|
| 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)



**SMARTDRIVE LED**  
PLUG & PLAY WITH BALLAST

## KT-LED9T8-24G-840-S

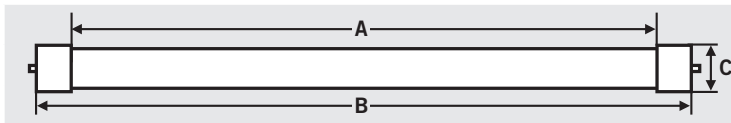
### T8 LED LAMP

#### WIRING

**Plug and Play:** Simply replace the existing fluorescent lamp with Keystone Smart Drive LED lamp. No changes to the existing fluorescent ballast wiring needed. For ballast compatibility questions, please contact Keystone.

#### PHYSICAL CHARACTERISTICS

##### LAMP DIMENSIONS



|                               |        |
|-------------------------------|--------|
| <b>A (Illuminated Length)</b> | 20.68" |
| <b>B (Body Length)</b>        | 23.19" |
| <b>C (Diameter)</b>           | 1.00"  |

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

#### ORDERING INFORMATION

| ORDER CODE             | PACKAGING STYLE                       | PACK QTY. | ITEM STATUS |
|------------------------|---------------------------------------|-----------|-------------|
| KT-LED9T8-24G-840-S-CP | Carton Pack (Egg Crate Packaging)     | 25        | Quick Ship  |
| KT-LED9T8-24G-840-S-DP | Distributor Pack (Individual Cartons) | 20        | Quick Ship  |

#### CATALOG NUMBER BREAKDOWN

# KT-LED9T8-24G-840-S-CP

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