

# KT-LED12.5T8-48G-850-D

## T8 LED LAMP

### DESCRIPTION

12.5W T8 LED | 5000K | >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> ~12.5W
<b>COLOR TEMPERATURE:</b> 5000K
<b>COLOR RENDERING INDEX (CRI):</b> >83
<b>WARRANTY:</b> 5 Years

Low Optical Flicker  
Less Than 2%  
Up to 400 Hz



### 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
- Listed on DLC Qualified Product List
- UL Classified
- Operating Temperature: -20°C/-4°F to 45°C/113°F
- Integral Driver (Isolated), Eliminates the Need for External Driver or Ballast
- 120+ Lumens per Watt
- UL Flicker Free Design from date code 1909K

### OPERATING SPECIFICATIONS

#### ELECTRICAL CHARACTERISTICS

Input Voltage	Power Consumption	Power Factor	Input Current
120-277Vac	~12.5W	>0.9	0.12A @ 120V 0.05A @ 277V

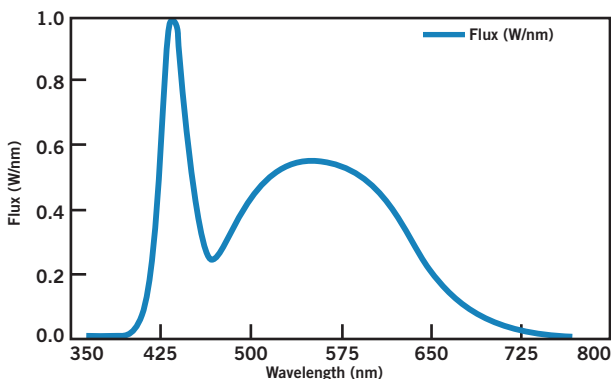
#### RATED LIFE

L70 (Hours)	50,000
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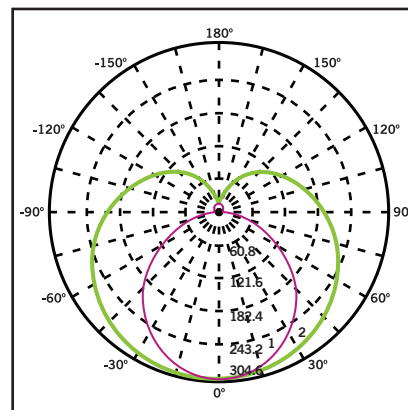
#### PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	5000K
Luminous Flux	1850 lm
Color Rendering Index (CRI)	>83
Efficacy	139 lm/W
Beam Angle	240°
Visible Light Area	325°

#### 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)

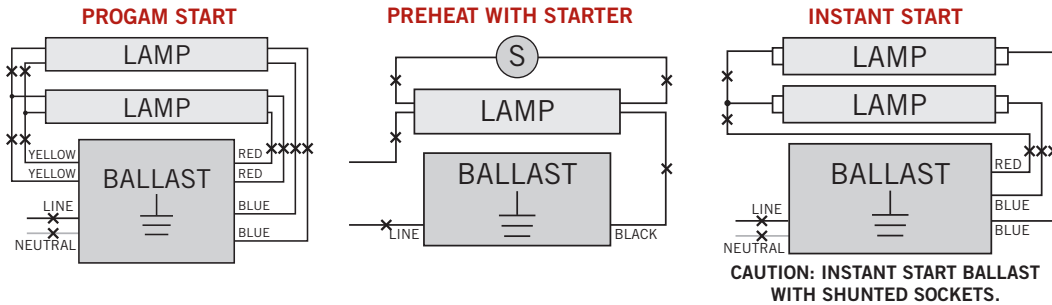
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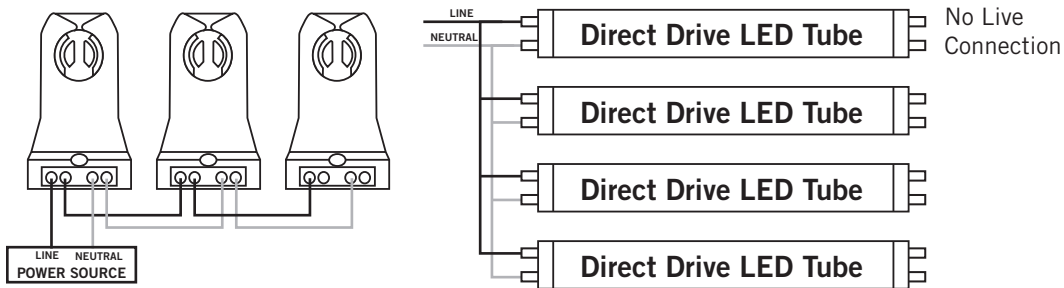
### WIRING DIAGRAMS

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

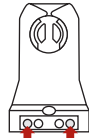
#### Typical Ballast Configurations:



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

A	A (Illuminated Length)	44.38"
B	B (Body Length)	47.15"
C	C (Diameter)	1.10"

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

### ORDERING INFORMATION

ORDER CODE	PACK QTY.	EASY CODE	UPC
KT-LED12.5T8-48G-850-D-CP	25	DAC-26	89094901850

### CATALOG NUMBER BREAKDOWN

# KT-LED12.5T8-48G-850-D-CP

1 2 3 4 5 6 7 8 9 10

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