



# KT-LED14.5T8-48GC-840-D-FDIM

## T8 LED LAMP

### DESCRIPTION

14.5W 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> 14.5W
<b>COLOR TEMPERATURE:</b> 4000K
<b>COLOR RENDERING INDEX (CRI):</b> >83
<b>WARRANTY:</b> 5 Years



### PRODUCT FEATURES

- Dimmable via TRIAC Dimmers (Forward Phase Control)
- Replacement for Conventional Fluorescent Lamp
- 50,000+ Hour Lifetime
- Approximately 40% More Energy Efficient than Standard F32T8 Lamps
- Environmentally Friendly: No Mercury Used
- Instant Startup
- Frosted Lens Eliminates Pixelation
- UL Classified ; Listed on DLC QPL
- 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
- Improved Lamp Durability with Shatterproof Coated Glass, designed to pass drop tests of 6' on hard surface
- ETL Sanitation Listed NSF/ANSI Standard 2 - Food Equipment, Splash Zone (Not for Direct Food Zone without additional fixture considerations)

### OPERATING SPECIFICATIONS

#### ELECTRICAL CHARACTERISTICS

Input Voltage	Power Consumption	Power Factor	Input Current
120V	14.5W	>0.9	0.12A @ 120V

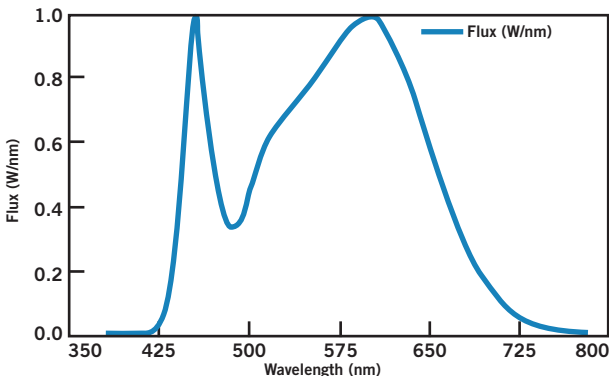
#### RATED LIFE

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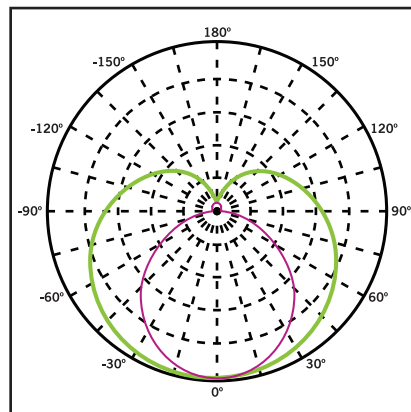
#### PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	4000K
Luminous Flux	1900 lm
Color Rendering Index (CRI)	>83
Efficacy	131 lm/W
Beam Angle	240°
Visible Light Area	325°

#### SPECTRAL DISTRIBUTION



#### POLAR CANDELA DISTRIBUTION



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)

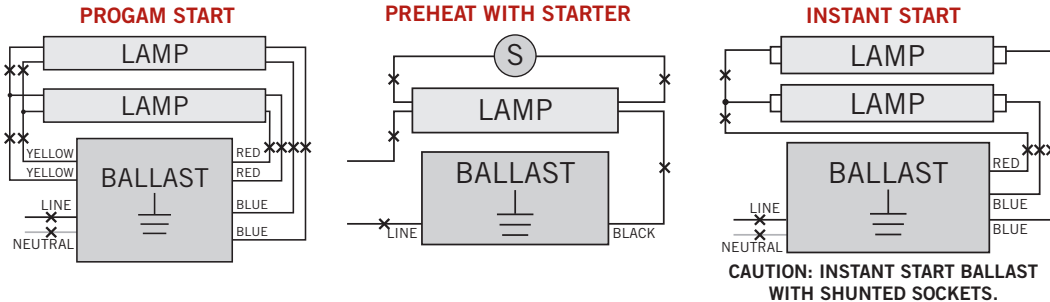
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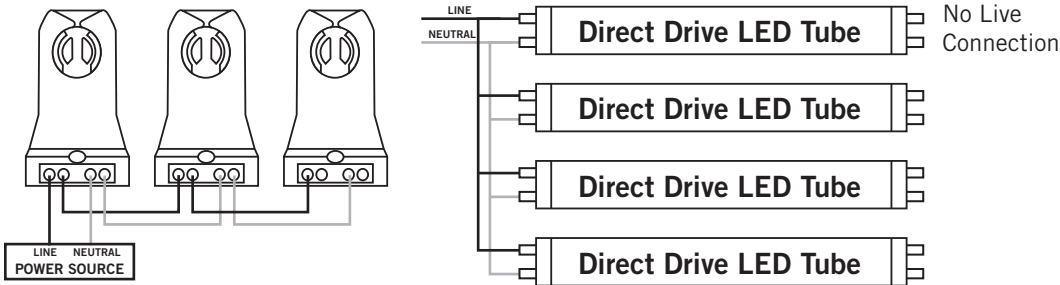
### WIRING DIAGRAMS

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

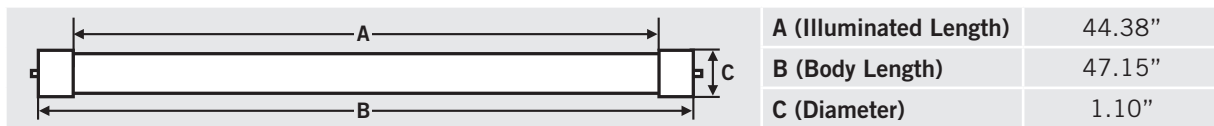
**CAUTION: Use only non-shunted lampholders.**

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-LED14.5T8-48GC-840-D-FDIM-CP	Carton Pack (Egg Crate Packaging)	25	Quick Ship

### CATALOG NUMBER BREAKDOWN

# KT-LED14.5T8-48GC-830-D-FDIM-CP

- |                                |                                     |                                 |
|--------------------------------|-------------------------------------|---------------------------------|
| <b>1</b> Keystone Technologies | <b>5</b> Nominal Length (Inches)    | <b>9</b> Direct Drive Series    |
| <b>2</b> LED Lamp              | <b>6</b> Shatter-Proof Coated Glass | <b>10</b> Forward Phase Dimming |
| <b>3</b> Wattage               | <b>7</b> 800 Series                 | <b>11</b> Packaging Style       |
| <b>4</b> Lamp Type             | <b>8</b> Color Temperature          |                                 |