

# KT-LED14.5T8-48GC-835-D-FDIM

## T8 LED LAMP

### DESCRIPTION

14.5W T8 LED | 3500K | >83 CRI | High Efficiency



**LAMP TYPE:** Linear

**BULB TYPE:** T8 LED

**BASE TYPE:** G13 (Medium Bi-Pin)

**WATTAGE:** 14.5W

**COLOR TEMPERATURE:** 3500K

**COLOR RENDERING INDEX (CRI):** >83

**WARRANTY:** 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

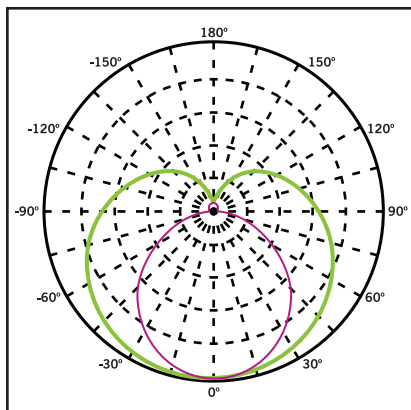
#### RATED LIFE

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

Color Temperature (CCT)	3500K
Luminous Flux	1800 lm
Color Rendering Index (CRI)	>83
Efficacy	124 lm/W
Beam Angle	240°
Visible Light Area	325°

### 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)

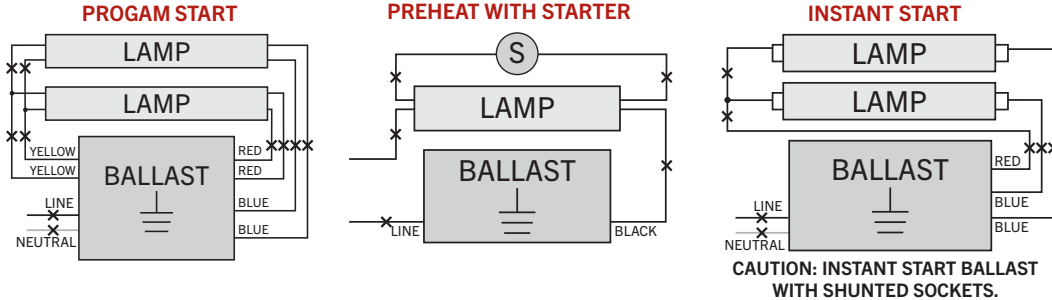
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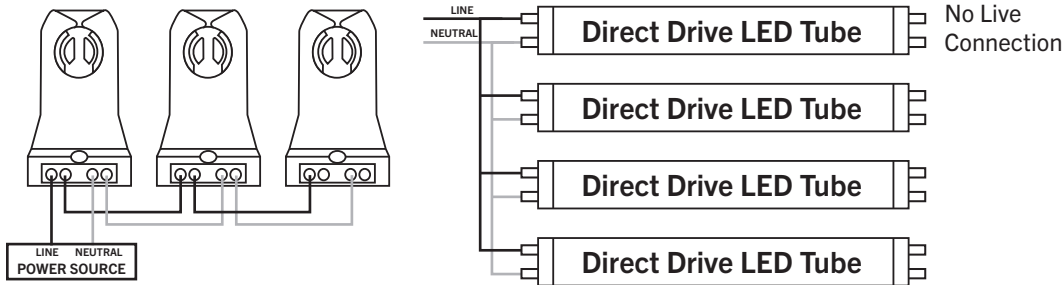
### WIRING DIAGRAMS

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

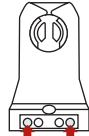
#### Typical Ballast Configurations:



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

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

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

### ORDERING INFORMATION

Order Code	Caton Quantity	UPC	Easy Code
KT-LED14.5T8-48GC-835-D-FDIM	25	843654113210	IQW-53

### CATALOG NUMBER BREAKDOWN

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

1	2	3	4	5	6	7	8	9	10
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- 1 Keystone Technologies
- 2 LED Lamp
- 3 Wattage
- 4 Lamp Type
- 5 Nominal Length (Inches)
- 6 Shatter-Proof Coated Glass
- 7 80 CRI
- 8 Color Temperature
- 9 Direct Drive Series
- 10 Forward Phase Dimming