



# DIRECT DRIVE LED

LINE VOLTAGE T8 TUBES

## KT-LED15T8-48GC-9XX-D

T8 LED LAMP

### DESCRIPTION

15W T8 LED | 4000–5000K | >90 CRI | High-Efficiency



**LAMP TYPE:** Linear

**BULB TYPE:** T8 LED

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

**WATTAGE:** 15W

**COLOR TEMPERATURE:** 4000–5000K

**COLOR RENDERING INDEX (CRI):** >90

**WARRANTY:** 5 Years



### PRODUCT FEATURES

- 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
- Operating temperature:  $-20^{\circ}\text{C}/-4^{\circ}\text{F}$  to  $45^{\circ}\text{C}/113^{\circ}\text{F}$
- UL Flicker Free Design from date code 1903F
- Integral driver (isolated) eliminates the need for external driver or ballast

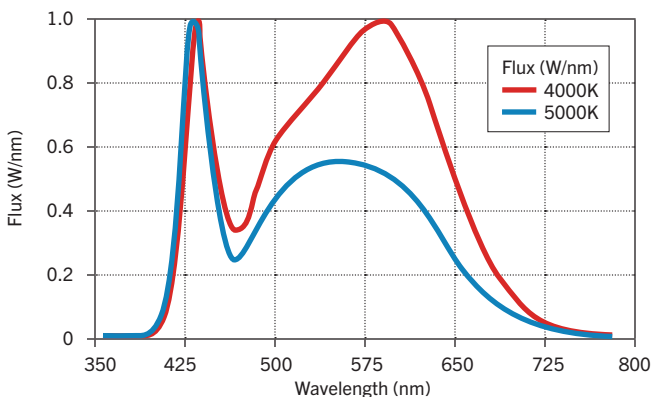
- 100+ Lumens per Watt
- Improved lamp durability with shatterproof coated glass, designed to pass drop tests of 6' on hard surface
- ETL Sanitation Listed NSF/ANSI Standard 2 — Food Equipment, Splash Zone (Not for direct food zone without additional fixture considerations)
- Lamp is dimmable when used with an appropriate dimming accessory (purchased separately). Contact Keystone for more details to find out what is best for the intended application.

### ELECTRICAL AND PERFORMANCE SPECIFICATIONS

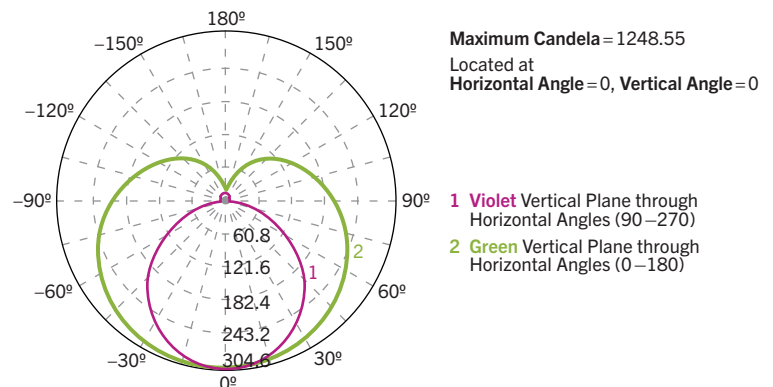
Catalog Number	Input Voltage	Power Consumption	Color Temperature (CCT)	Luminous Flux	Efficacy	Beam Angle	Visible Light Area	Power Factor	Input Current	Rated Life
KT-LED15T8-48GC-940-D	120–277 Vac	15W	4000K	1625 lm	108 lm/W	240°	325°	>0.9	0.13A @ 120V 0.05A @ 277V	L70 (Hours) 50,000
KT-LED15T8-48GC-940-D			5000K	1625 lm	112 lm/W					

### PHOTOMETRIC SPECIFICATIONS

#### SPECTRAL DISTRIBUTION



#### POLAR CANDELA DISTRIBUTION



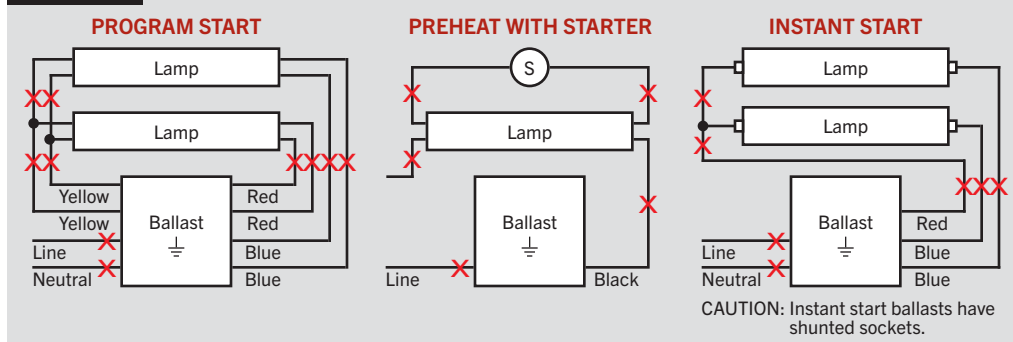
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## T8 LED LAMP

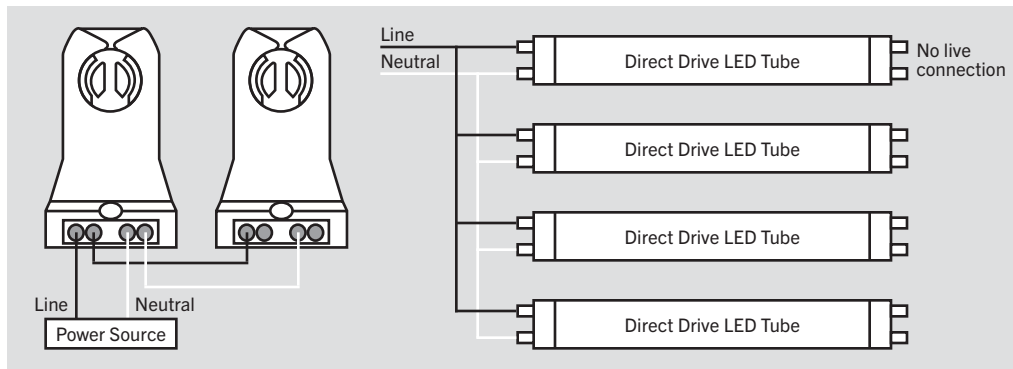
### WIRING DIAGRAMS

1. Cut all existing connections to ballast as shown below and remove ballast. See *Figure A* for typical ballast configurations.

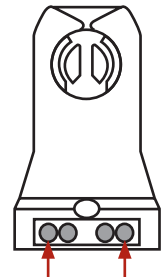
**FIGURE A** TYPICAL BALLAST CONFIGURATIONS



2. Rewire fixture as shown below.



### TYPICAL NON-SHUNTED LAMPHOLDER

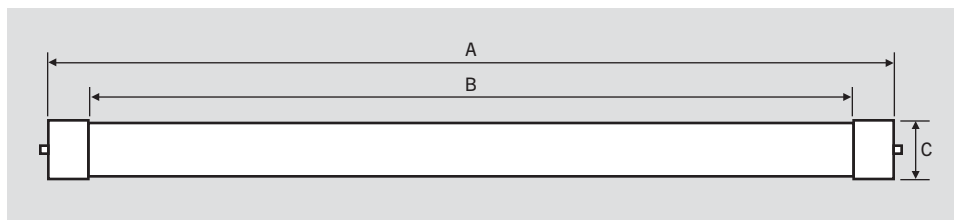


Connect wires directly to these terminals

### 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 SPECIFICATIONS



### LAMP DIMENSIONS

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

**NOMINAL LENGTH:** 48"

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



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## T8 LED LAMP

### ORDERING INFORMATION

ORDER CODE	PACK QTY.	EASY CODE	UPC
KT-LED15T8-48GC-940-D-CP	25	XUQ-20	89094901046
KT-LED15T8-48GC-950-D-CP	25	ENE-10	89094901045

### CATALOG NUMBER BREAKDOWN

# KT-LED15T8-48GC-9XX-D-CP

1 2 3 4 5 6 7 8 9 10

- 1 Keystone Technologies
- 2 LED Lamp
- 3 Wattage
- 4 Lamp Type
- 5 Nominal Length (Inches)
- 6 Shatter-Proof Coated Glass
- 7 90 CRI
- 8 Color Temperature
- 9 Direct Drive Series
- 10 Packaging Style