

# KT-LED14.5T8-48GC-8XX-D-FDIM

## T8 LED LAMP

### DESCRIPTION

14.5W T8 LED | 3500-5000K | >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> 14.5W
<b>COLOR TEMPERATURE:</b> 3500-5000K
<b>COLOR RENDERING INDEX (CRI):</b> >83
<b>WARRANTY:</b> 10 Years



**10 YEAR**  
LIMITED WARRANTY



### PRODUCT FEATURES

#### ▪ Dimmable via TRIAC Dimmers (Forward Phase Control)

- Replacement for Conventional Fluorescent Lamp
- 50,000+ Hour Lifetime
- Approx. 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

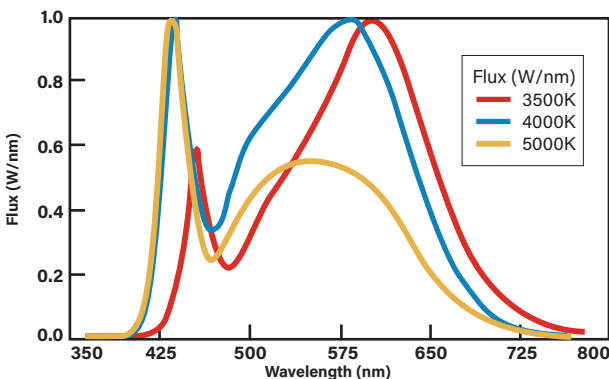
- 120+ Lumens per Watt
- Improved Lamp Durability with Shatterproof Coated Glass, designed to pass drop tests of 6' on hard surface
- ETL Sanitation Listed NSF/ANSI Standard 2 - Food Equipment, Splash Zone (Not for Direct Food Zone without additional fixture considerations)
- Lamp is dimmable when used 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

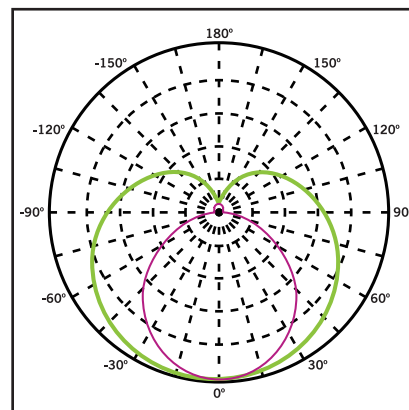
Catalog Number	Input Voltage	Power Consumption	Color Temperature (CCT)	Luminous Flux	Efficacy	Beam Angle	Visible Light Area	Power Factor	Input Current	Rated Life
KT-LED14.5T8-48GC-835-D-FDIM	120V	14.5W	3500K	1800 lm	124 lm/W	240°	325°	>0.9	0.12A @ 120V	L70 (Hours) 50,000
KT-LED14.5T8-48GC-840-D-FDIM			4000K	1900 lm	131 lm/W					
KT-LED14.5T8-48GC-850-D-FDIM			5000K	1900 lm	131 lm/W					

### PHOTOMETRIC SPECIFICATIONS

#### 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)

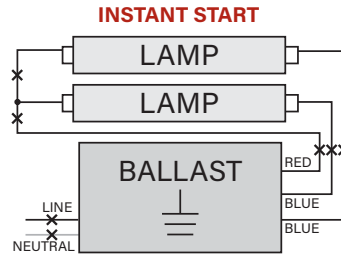
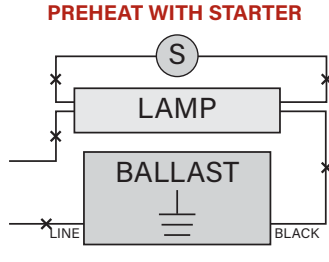
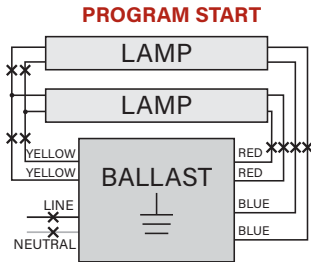
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### WIRING DIAGRAMS

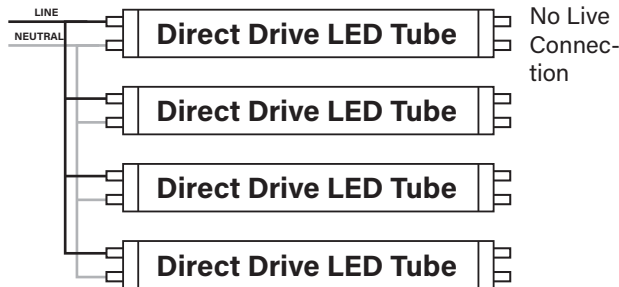
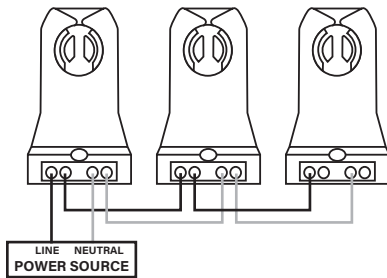
1. Cut all existing connections to ballast as shown below and remove ballast.

#### Typical Ballast Configurations:

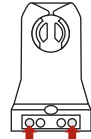


**CAUTION: INSTANT START BALLAST WITH SHUNTED SOCKETS.**

2. Re-wire fixture as shown below.



#### Typical Non-Shunted Lampholder



Connect wires directly to these terminals

#### CAUTION:

**Use only non-shunted lampholders.**

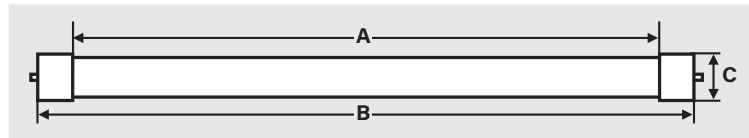
Do not install product in a fixture with shunted lampholders (found in all fixtures using instant start ballasts).

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 SPECIFICATIONS

#### 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	Pack Qty	UPC	Easy Code	DLC PRODUCT ID
KT-LED14.5T8-48GC-835-D-FDIM	25	843654113210	IQW-53	P5B4KR3N
KT-LED14.5T8-48GC-840-D-FDIM	25	843654113227	DGD-68	PLV2EJZA3H5D
KT-LED14.5T8-48GC-850-D-FDIM	25	843654113234	RVM-94	PFPN85W

### CATALOG NUMBER BREAKDOWN

# KT-LED14.5T8-48GC-8XX-D-FDIM

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 80 CRI	8 Color Temperature	9 Direct Drive Series	10 Forward Phase Dimming