SINCE 1945
KEYSTONE
LIGHT MADE EASY®

DIRECTDRIVE 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:** 10 Year Limited
- **RATED LIFE:** 50,000 Hours

Low Optical Flicker Less Than 2% Up to 400 Hz
CLASSIFIED C UL US
DLC LISTED
RoHS Compliant
TRUSTED NLB WARRANTY
10 YEAR LIMITED WARRANTY



PRODUCT FEATURES

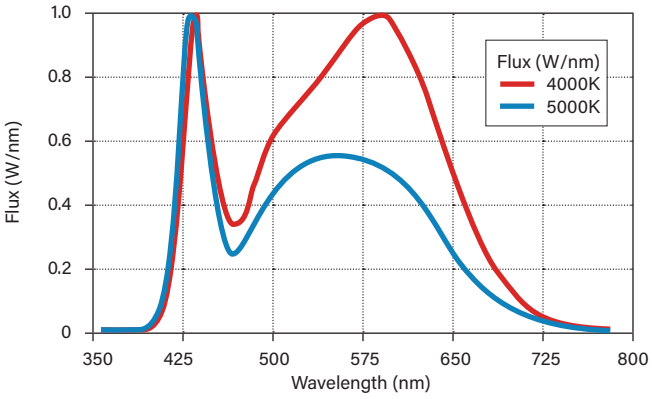
- Replacement for conventional fluorescent lamp
- 50,000+ hour lifetime
- Approximately 40% more energy efficient than standard F32T8 lamps
- Environmentally friendly: No mercury used
- Instant startup
- Frosted lens eliminates pixelation
- UL classified
- Operating temperature: –20°C/–4°F to 45°C/113°F
- 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.
- Not for use in sealed / vapor tight fixtures

PERFORMANCE SPECIFICATIONS

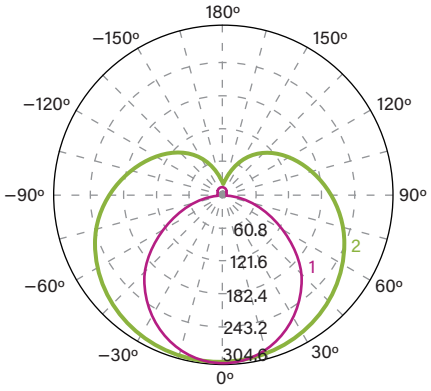
Keystone Catalog Number	Rated Lamp Wattage	Selectable CCT	Lumens	Efficacy	Input Voltage	Input Current	Power Factor	Beam Angle	Visible Light Area	Rated Life
KT-LED15T8-48GC-940-D	15W	4000K	1675 lm	112 lm/W	120–277V	0.13A @ 120V 0.05A @ 277V	>0.9	220°	325°	L70 (Hours) 50,000
KT-LED15T8-48GC-950-D		5000K	1675 lm	112 lm/W						

PHOTOMETRIC SPECIFICATIONS

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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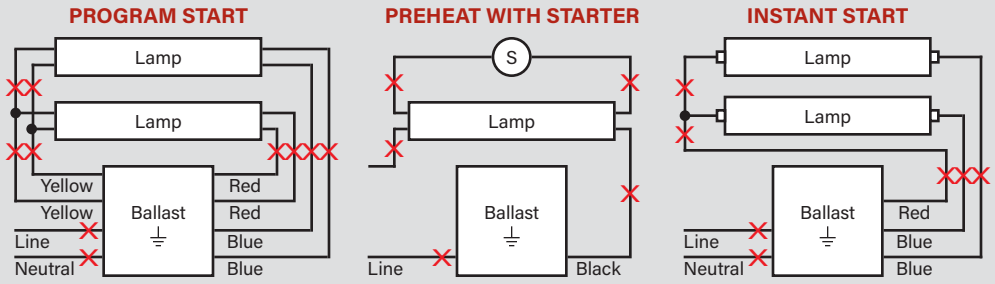
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T8 LED LAMP

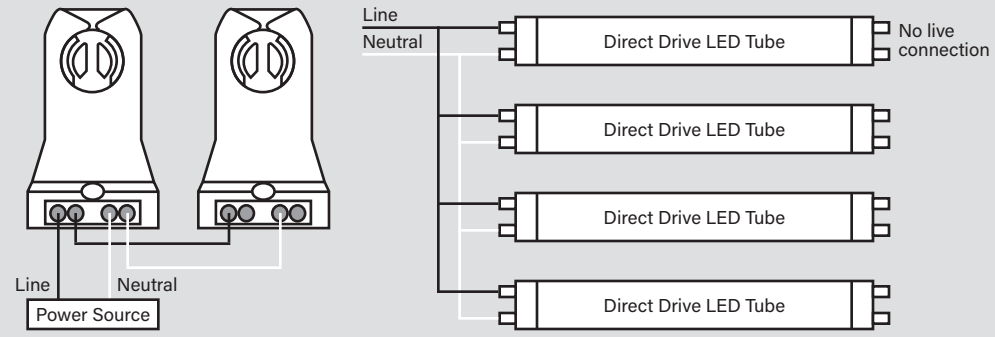
WIRING DIAGRAMS

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

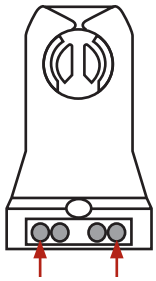
FIGURE A TYPICAL BALLAST CONFIGURATIONS



2. Rewire fixture as shown below.



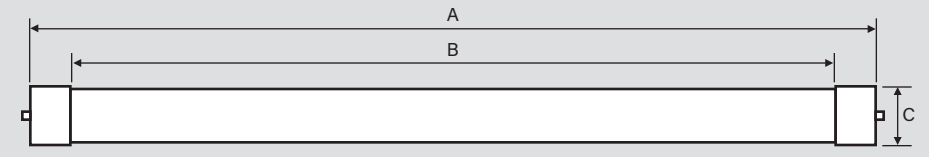
TYPICAL NON-SHUNTED LAMPHOLDER



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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ORDERING INFORMATION

Order Code	Carton QTY	UPC	Easy Code	DLC Product ID
KT-LED15T8-48GC-940-D-CP	25	89094901046	XUQ-20	PLLBUH4JTHMW
				PLO5NCX4X586
KT-LED15T8-48GC-950-D-CP	25	89094901045	ENE-10	PL0M694RJ97Y
				PLDW1951EQ9C

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 **Glass Construction**
7 **90 CRI**
8 **Color Temperature**
9 **Direct Drive Series**
10 **Packaging Style**