



# KT-LED14.5T8-48GX-8CSJ-DX2

## T8 LED LAMP

### DESCRIPTION

14.5W T8 LED Lamp | 3000/3500/4000/5000/6500K | > 80 CRI | High-Efficiency | Single- or Double-ended Line Voltage Wiring



**10 YEAR**  
LIMITED WARRANTY

**LAMP TYPE:** Linear

**BULB TYPE:** T8 LED

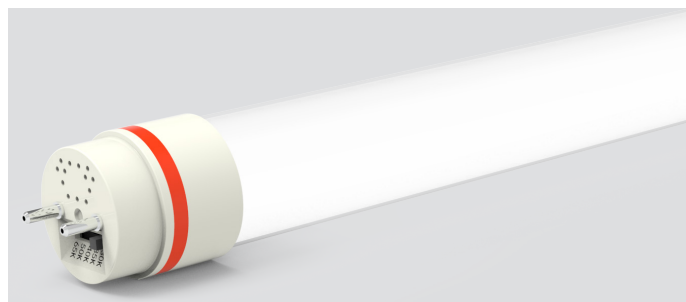
**BASE TYPE:** G13 (Medium Bi-Pin)

**WATTAGE:** 14.5W

**COLOR TEMPERATURE:** 3000/3500/4000/5000/6500K

**COLOR RENDERING INDEX (CRI):** > 80

**WARRANTY:** 5 Years



### PRODUCT FEATURES

- Replacement for conventional fluorescent lamp
- Single- or double-ended line voltage wiring
- Keystone Color Select technology (3000/3500/4000/5000/6500K)
- Instant startup
- Frosted glass lens eliminates pixelation
- Approximately 50% more energy-efficient than standard F32T8 lamps
- Environmentally friendly: No mercury used
- 120+ Lumens per Watt
- Operating temperature: -20°C/-4°F to 45°C/113°F
- Storage temperature: -30°C/-22°F to 60°C/140°F
- Operating humidity: 10-80%
- Integral driver (isolated) eliminates the need for external driver or ballast
- Not compatible with Keystone AC emergency drivers: KT-EMRG-LED-5-500-AC, KT-EMRG-LED-5-500-AC/DF, KT-EMRG-LED-12-1200-AC, or KT-EMRG-LED-12-1200-AC /DF
- Meets FCC Part 15, Class B
- 50,000+ hour lifetime
- UL Classified
- 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

### COLOR SELECT (CCT) ADJUSTMENT

- This fixture is equipped with field-adjustable Keystone Color Select technology.
- Adjustable CCT (3000/3500/4000/5000/6500K).
- Adjust dip switch to desired setting (preset to 4000K CCT).



### ELECTRICAL SPECIFICATIONS

| Input Voltage    | Power Consumption | CCT*   | Lumen Output | Efficacy | CRI | Beam Angle | Visible Light Area | Power Factor | THD  | Input Current             | Lifetime   |
|------------------|-------------------|--------|--------------|----------|-----|------------|--------------------|--------------|------|---------------------------|------------|
| 120-277 Vac 60Hz | 14.5W             | 3,000K | 1,725        | 120 lm/W | >80 | 240°       | 325°               | >0.9         | >20% | 105mA @120V<br>50mA @277V | 50,000 hrs |
|                  |                   | 3,500K | 1,850        | 127 lm/W |     |            |                    |              |      |                           |            |
|                  |                   | 4,000K | 1,850        | 127 lm/W |     |            |                    |              |      |                           |            |
|                  |                   | 5,000K | 1,850        | 127 lm/W |     |            |                    |              |      |                           |            |
|                  |                   | 6,500K | 1,800        | 124 lm/W |     |            |                    |              |      |                           |            |

\* Preset to 4000K CCT; Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017

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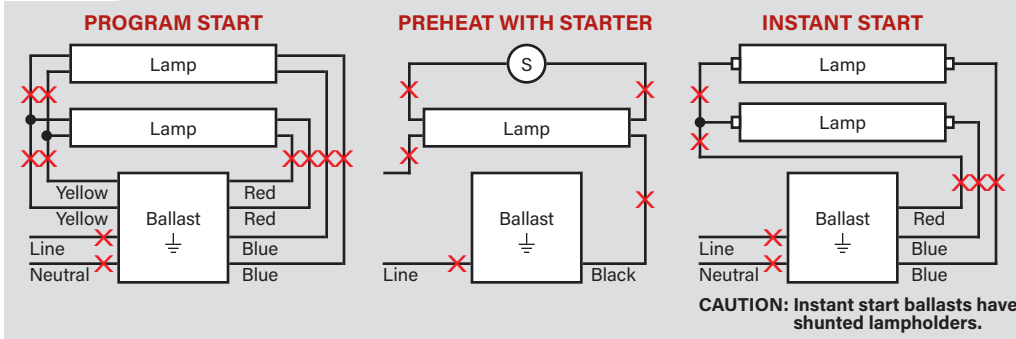
### WIRING DIAGRAMS

**WARNING: NOT COMPATIBLE WITH KEYSTONE AC EMERGENCY BACKUPS**

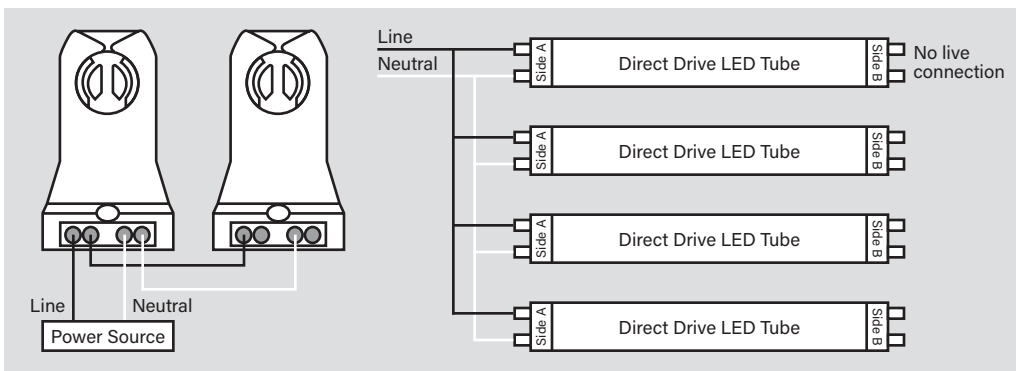
#### SINGLE-ENDED WIRING DIAGRAM

1. Cut all existing connections to ballast as shown below and remove ballast. See Figure A for typical ballast configurations. **Note: Single-ended wiring requires non-shunted lampholders.**

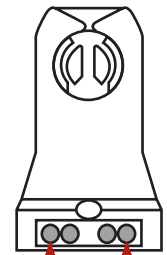
FIGURE A Typical Ballast Wiring Configurations



2. Rewire fixture as shown below.



#### TYPICAL NON-SHUNTED LAMPHOLDER



Connect wires directly to these terminals

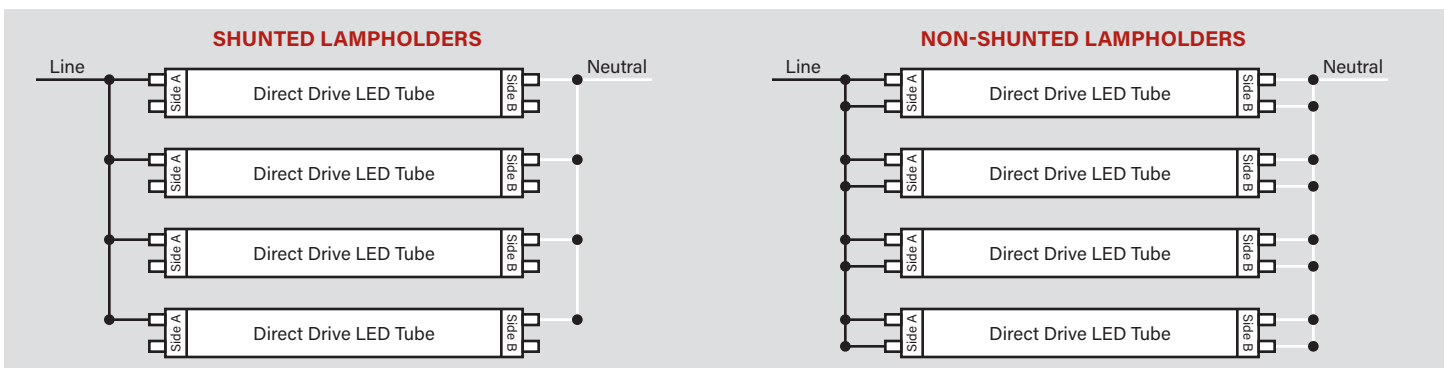
**CAUTION: FOR SINGLE-ENDED WIRING USE ONLY NON-SHUNTED LAMPHOLDERS.**

For Single-ended wiring, 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.

#### DOUBLE-ENDED WIRING DIAGRAM

1. Cut all existing connections to ballast as shown below and remove ballast. See Figure A above for typical ballast configurations.
2. Re-wire fixture as shown below. For double-ended wiring, use either shunted or nonshunted lampholders.

**NOTE: There should not be any exposed wires at the end of installation.**

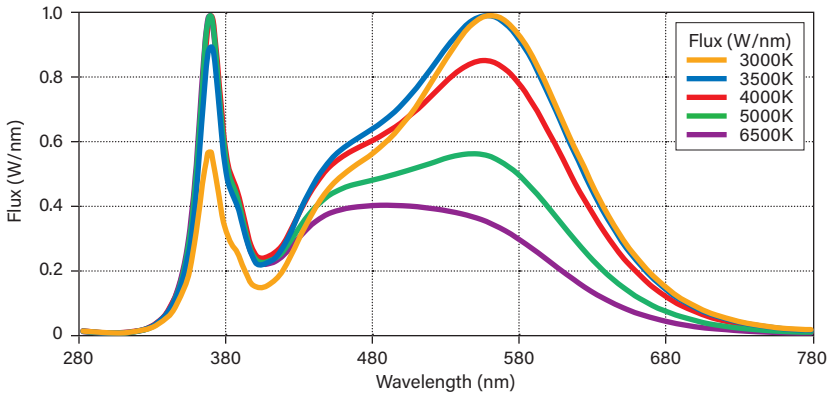


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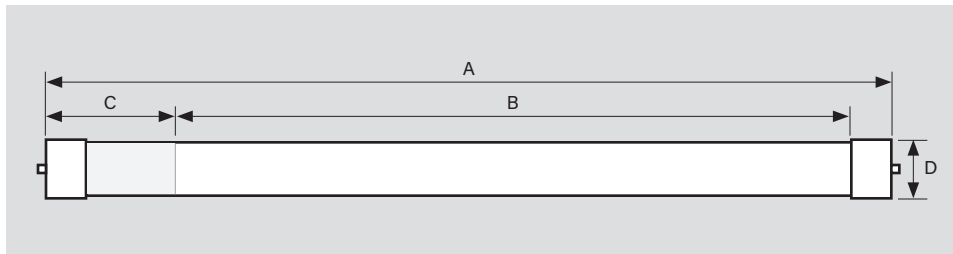
## T8 LED LAMP

### PHOTOMETRIC SPECIFICATIONS

#### SPECTRAL DISTRIBUTION



### PHYSICAL SPECIFICATIONS



#### LAMP DIMENSIONS

|                          |        |
|--------------------------|--------|
| A (Body Length)          | 47.20" |
| B (Illuminated Length)   | 44.00" |
| C (End Cap/Sticker Area) | 2.25"  |
| D (Diameter)             | 1.10"  |

**NOMINAL LENGTH: 48"**

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

### ORDERING INFORMATION

| ORDER CODE                 | CARTON QUANTITY | UPC          | EASY CODE | DLC PRODUCT ID |
|----------------------------|-----------------|--------------|-----------|----------------|
| KT-LED14.5T8-48G-8CSJ-DX2  | 25 pcs          | 843654154596 | UBI-68    | S-QROMTH       |
| KT-LED14.5T8-48GC-8CSJ-DX2 | 25 pcs          | 843654171029 | YYQ-31    | TBD            |

### CATALOG NUMBER BREAKDOWN

# KT-LED14.5T8-48GX-8CSJ-DX2

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 Construction Type
- 7 CRI
- 8 Color Select
- 9 Color Select Designation
- 10 Single- or Double-Ended Line Voltage Wiring

#### 6 Construction Type

|    |              |
|----|--------------|
| G  | Glass        |
| GC | Glass Coated |

#### 9 Color Select Designation

|   |                           |
|---|---------------------------|
| J | 3000/3500/4000/5000/6500K |
|---|---------------------------|