

# KT-LED18.5T8-48GC-8XX-D /G2

## T8 LED LAMP

### DESCRIPTION

18.5W T8 LED | 3000-6500K | >83 CRI | High efficiency



**LAMP TYPE:** Linear

**BULB TYPE:** T8 LED

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

**WATTAGE:** 18.5W

**COLOR TEMPERATURE:** 3000-6500K

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

**WARRANTY:** 5 Years



### PRODUCT FEATURES

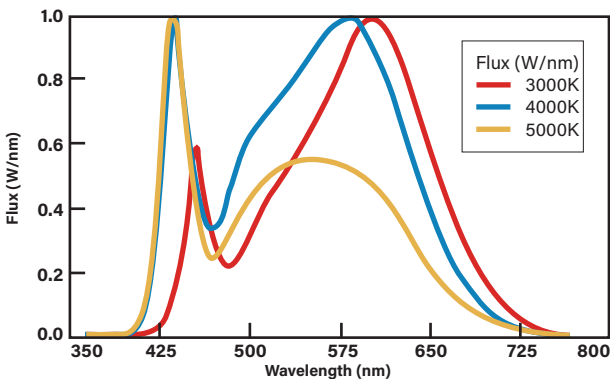
- Replacement for conventional fluorescent lamp
- Single ended wiring
- 50,000+ hour lifetime
- Approximately 40% more energy efficient than standard F32T8 lamps
- Environmentally friendly: No mercury used
- Frosted lens eliminates pixelation
- UL classified
- Operating temperature: -20°C/-4°F to 45°C/113°F
- Integral driver (isolated), Eliminates the need for external driver or ballast
- 110+ lumens per watt
- 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

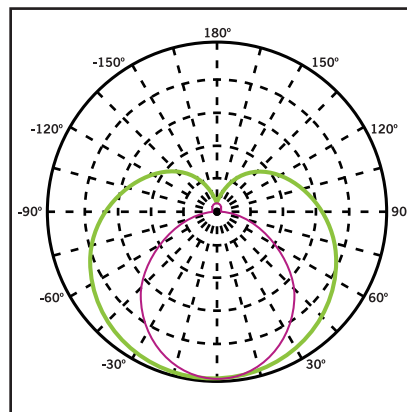
| Catalog Number              | Input Voltage | Power Consumption | Color Temperature (CCT) | Luminous Flux | Efficacy | Beam Angle | Visible Light Area | Power Factor | Input Current                | Rated Life            |
|-----------------------------|---------------|-------------------|-------------------------|---------------|----------|------------|--------------------|--------------|------------------------------|-----------------------|
| KT-LED18.5T8-48GC-830-D /G2 | 120-277 Vac   | 18.5W             | 3000K                   | 2400 lm       | 130 lm/W | 240°       | 325°               | >0.9         | 0.15A @ 120V<br>0.07A @ 277V | L70 (Hours)<br>50,000 |
| KT-LED18.5T8-48GC-835-D /G2 |               |                   | 3500K                   | 2500 lm       | 135 lm/W |            |                    |              |                              |                       |
| KT-LED18.5T8-48GC-840-D /G2 |               |                   | 4000K                   | 2450 lm       | 132 lm/W |            |                    |              |                              |                       |
| KT-LED18.5T8-48GC-850-D /G2 |               |                   | 5000K                   | 2600 lm       | 141 lm/W |            |                    |              |                              |                       |
| KT-LED18.5T8-48GC-865-D /G2 |               |                   | 6500K                   | 2600lm        | 141 lm/W |            |                    |              |                              |                       |

### PHOTOMETRIC SPECIFICATIONS

#### SPECTRAL DISTRIBUTION



#### POLAR CANDELA DISTRIBUTION



- Violet** Vertical Plane through Horizontal Angles (90-270)
- Green** Vertical Plane through Horizontal Angles (0-180)

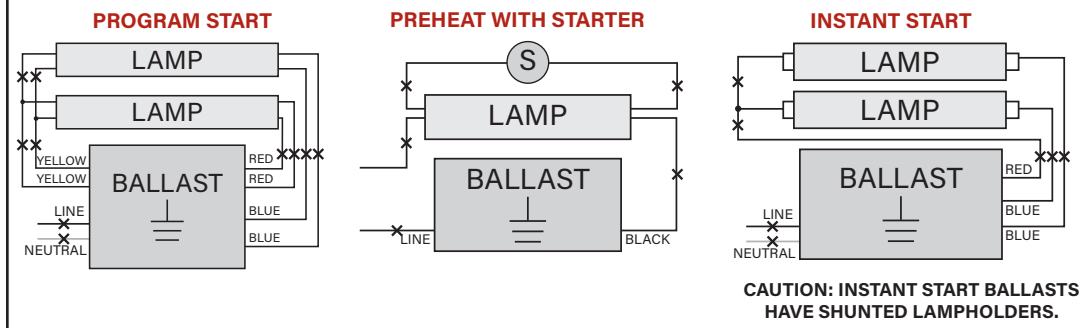
# KT-LED18.5T8-48GC-8XX-D / G2

## T8 LED LAMP

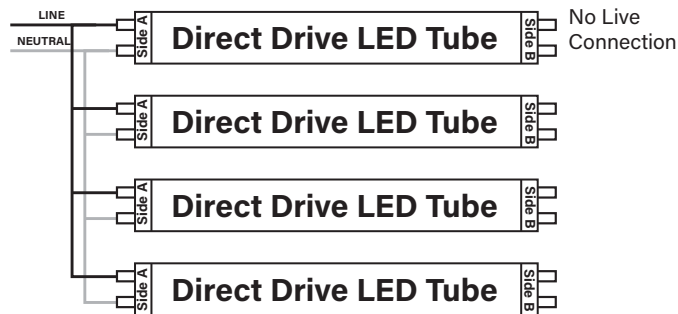
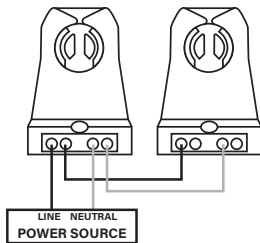
### SINGLE-ENDED WIRING DIAGRAM

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.**

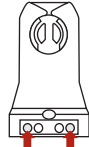
Figure A Typical Ballast Configurations:



2. Re-wire fixture as shown below.



Typical Non-Shunted Lampholder



Connect wires directly to these terminals

**CAUTION: For Single-ended wiring use only non-shunted lampholders.**

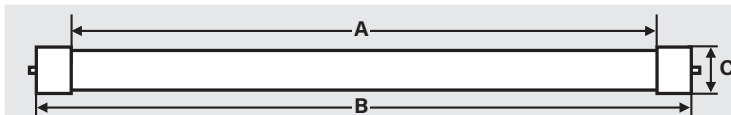
For Single-ended wiring, do not install product in a fixture with shunted lampholders (found in all fixtures using instant start ballasts).

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.

### 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)



## KT-LED18.5T8-48GC-8XX-D / G2

### T8 LED LAMP

#### ORDERING INFORMATION

| ORDER CODE                   | PACK QTY. | EASY CODE | UPC          | DLC PRODUCT ID |
|------------------------------|-----------|-----------|--------------|----------------|
| KT-LED18.5T8-48GC-830-D / G2 | 25        | TBD       | TBD          | PL6BKK2VV344   |
| KT-LED18.5T8-48GC-835-D / G2 | 25        | IXX-54    | 89094902028  | PLUL9DK6SWFB   |
| KT-LED18.5T8-48GC-840-D / G2 | 25        | PLQ-11    | 843654120928 | PLUT2JPJ7ASS   |
| KT-LED18.5T8-48GC-850-D / G2 | 25        | UKB-31    | 843654120935 | PL3RTHHIE0ON   |
| KT-LED18.5T8-48GC-865-D / G2 | 25        | TBD       | TBD          | PLD38IXLZHPS   |

#### CATALOG NUMBER BREAKDOWN

## KT-LED18.5T8-48GC-8XX-D / G2

|   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|----|
| 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 Temp.
- 9 Direct Drive Series
- 10 2nd Generation