



# KT-LED18T8HO-48G-850-D2

## T8 LED LAMP

### DESCRIPTION

18W LED T8 HO Lamp, 4ft long, Glass Construction | R17D Socket | 5000K  
 120-277V Input | Internal Driver | Direct Drive



RoHS Compliant

5 YEAR WARRANTY

|   |
|---|
| <b>LAMP TYPE:</b> Linear                |
| <b>BULB TYPE:</b> T8 HO Lamp            |
| <b>BASE TYPE:</b> R17D Socket           |
| <b>WATTAGE:</b> 18W                     |
| <b>COLOR TEMPERATURE:</b> 5000K         |
| <b>COLOR RENDERING INDEX (CRI):</b> >82 |
| <b>WARRANTY:</b> 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
- Integral driver (isolated) eliminates the need for external driver or ballast
- UL classified

### PERFORMANCE SPECIFICATIONS

| Catalog Number          | Input Voltage | Input Current | Wattage | Color Temperature | Lumen Output | CRI | Power Factor | Efficacy |
|-------------------------|---------------|---------------|---------|-------------------|--------------|-----|--------------|----------|
| KT-LED18T8HO-48G-850-D2 | 120-277V      | 170mA         | 18W     | 5000K             | 2500 lm      | >82 | >0.9         | 139 lm/W |

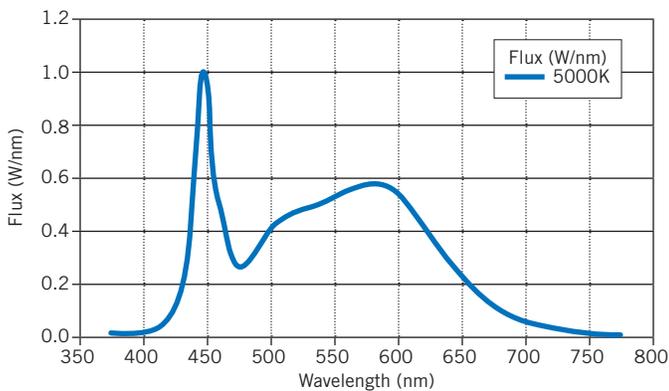
### PHOTOMETRIC CHARACTERISTICS

|                             |          |
|-----------------------------|----------|
| Color Temperature (CCT)     | 5000K    |
| Luminous Flux               | 2500 lm  |
| Color Rendering Index (CRI) | >80      |
| Efficacy                    | 139 lm/W |
| Beam Angle                  | 220°     |
| Visible Light Area          | 320°     |

### MECHANICAL CHARACTERISTICS

|                  |              |
|------------------|--------------|
| Rated Life (L70) | 50,000 hours |
| Wiring           | Double-ended |

### SPECTRAL DISTRIBUTION



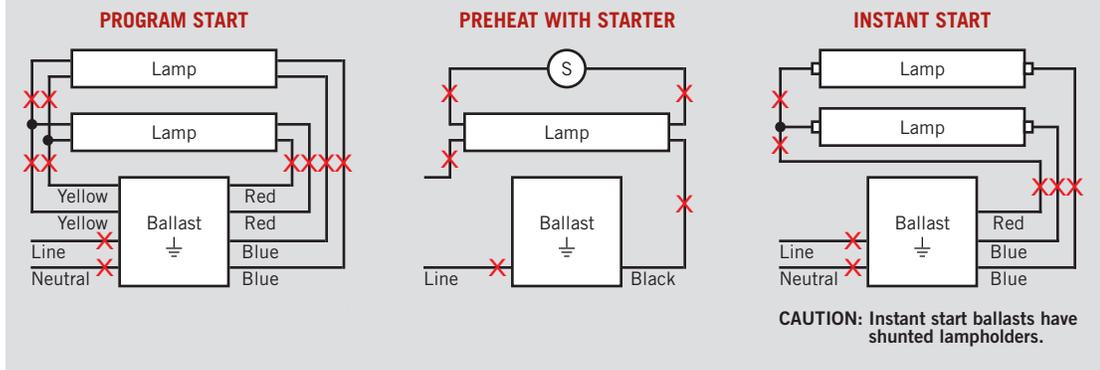
# KT-LED18T8HO-48G-850-D2

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### WIRING DIAGRAMS

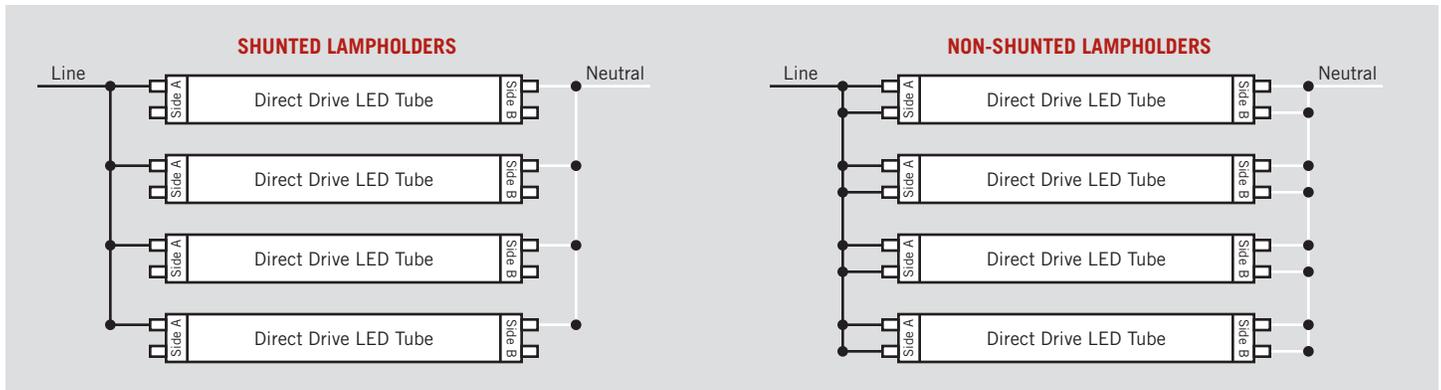
- Cut all existing connections to ballast as shown below and remove ballast. See *Figure A* for typical ballast configurations.

**FIGURE A** TYPICAL BALLAST CONFIGURATIONS

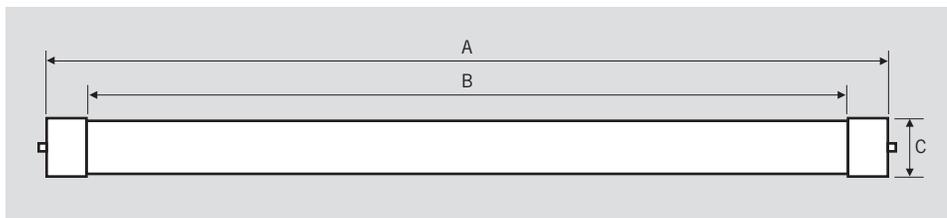


- Re-wire fixture as shown below. For double-ended wiring, use either shunted or nonshunted lampholders.

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



### PHYSICAL CHARACTERISTICS



#### LAMP DIMENSIONS

|                        |        |
|------------------------|--------|
| A (Body Length)        | 45.91" |
| B (Illuminated Length) | 40.40" |
| C (Diameter)           | 1.14"  |

**NOMINAL LENGTH:** 48"

**BASE TYPE:** R17D socket



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**ORDERING INFORMATION**

| ORDER CODE            | CARTON QUANTITY | UPC          | EASY CODE |
|-----------------------|-----------------|--------------|-----------|
| KT-LED15T8-48G-850-D2 | 25              | 843654133829 | OUU-79    |

**CATALOG NUMBER BREAKDOWN**

# KT-LED18T8HO-48G-850-D2

1
2
3
4
5
6
7
8
9

- 1 Keystone Technologies
- 2 LED Lamp
- 3 Wattage
- 4 Lamp Type
- 5 Nominal Length (Inches)
- 6 Glass Construction
- 7 CRI
- 8 Color Temperature
- 9 Double-Ended Wiring