



DIRECT DRIVE D2
DOUBLE-ENDED LINE VOLTAGE LED TUBES

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

LAMP TYPE: Linear

BULB TYPE: T8 HO Lamp

BASE TYPE: R17D Socket

WATTAGE: 18W

COLOR TEMPERATURE: 5000K

COLOR RENDERING INDEX (CRI): > 82

WARRANTY: 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
- Ambient Temperature: -20°C / -4°F to 45°C / 113°F

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 |

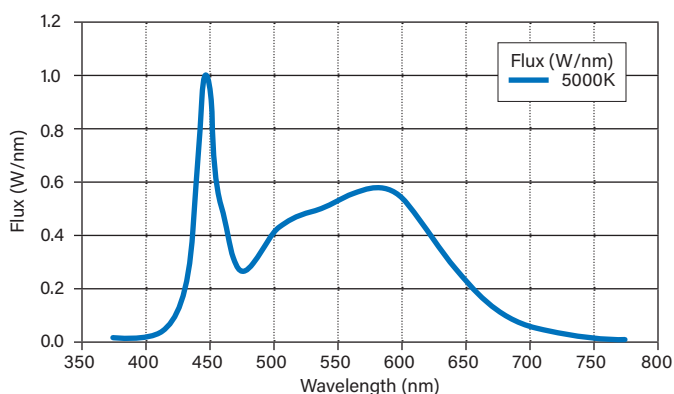
PHOTOMETRIC CHARACTERISTICS

| | |
|-----------------------------|----------|
| 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



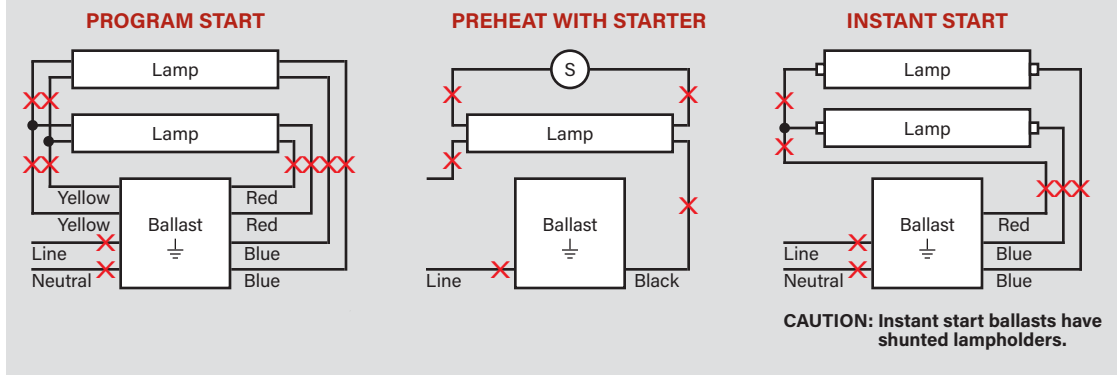
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WIRING DIAGRAMS

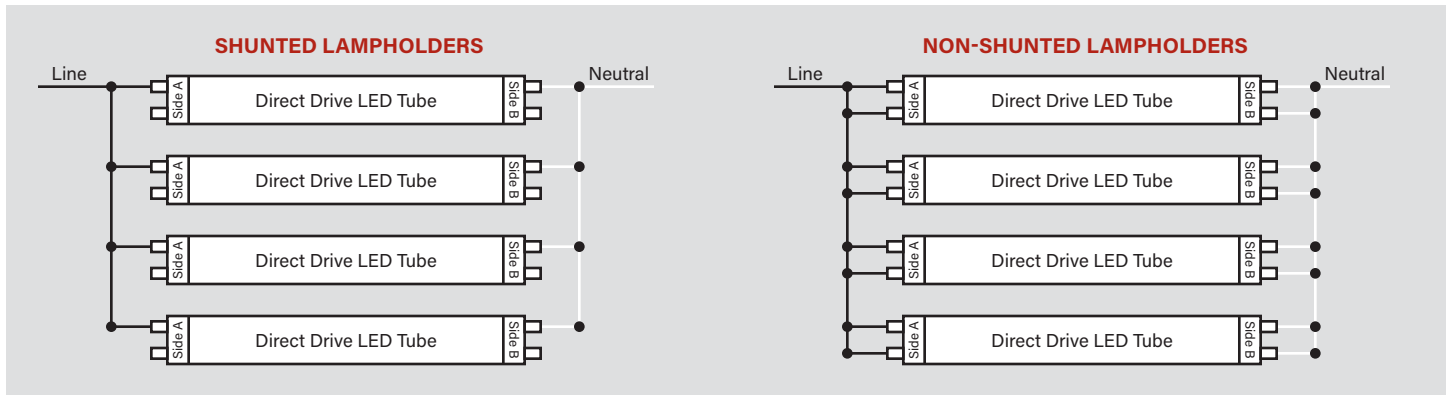
- Cut all existing connections to ballast as shown below and remove ballast. See Figure A for typical ballast configurations.

FIGURE A TYPICAL BALLAST CONFIGURATIONS

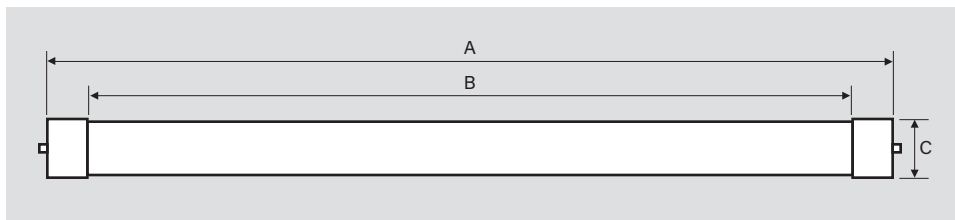


- Re-wire fixture as shown below. For double-ended wiring, use either shunted or nonshunted lampholders.

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 | O UU-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