



KT-LED18T8-48P-850-D

T8 LED LAMP

Generation 2

DESCRIPTION

18W T8 LED | 5000K | >80 CRI | High Efficiency



| |
|---|
| LAMP TYPE: Linear |
| BULB TYPE: T8 LED |
| BASE TYPE: G13 (Medium Bi-Pin) |
| WATTAGE: 18W |
| COLOR TEMPERATURE: 5000K |
| COLOR RENDERING INDEX (CRI): >80 |
| WARRANTY: 5 Years |



PRODUCT FEATURES

- Replacement for Conventional Fluorescent Lamp
- Listed on DLC Qualified Product List
- 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 55°C/131°F
- Integral Driver (Non-Isolated), Eliminates the Need for External Driver or Ballast
- 100+ Lumens per Watt

OPERATING SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

| Input Voltage | Power Consumption | Power Factor | Input Current |
|---------------|-------------------|--------------|------------------------------|
| 120-277Vac | 18W | >0.9 | 0.15A @ 120V 0.07A @ 277V |

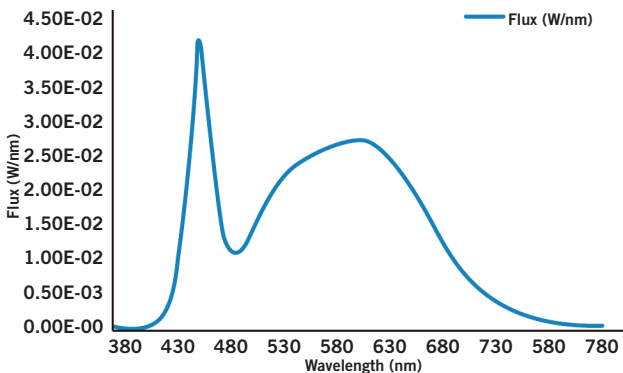
PHOTOMETRIC CHARACTERISTICS

| | |
|-----------------------------|----------|
| Color Temperature (CCT) | 5000K |
| Luminous Flux | 2000 lm |
| Color Rendering Index (CRI) | >80 |
| Efficacy | 111 lm/W |
| Beam Angle | 120° |

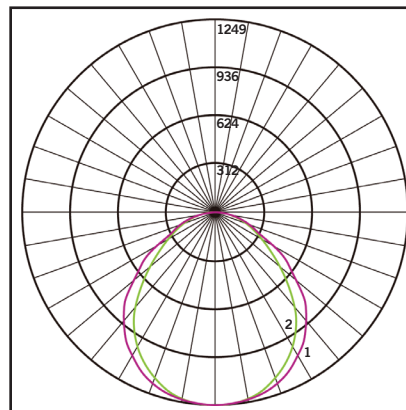
RATED LIFE

| | |
|-------------|--------|
| L70 (Hours) | 50,000 |
|-------------|--------|

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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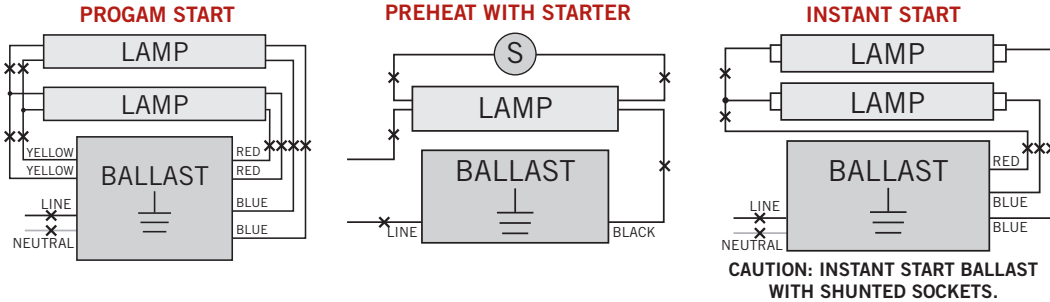
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WIRING DIAGRAMS

1. Cut all existing connections to ballast as shown below and remove ballast.

Typical Ballast Configurations:



Typical Non-Shunted Lampholder

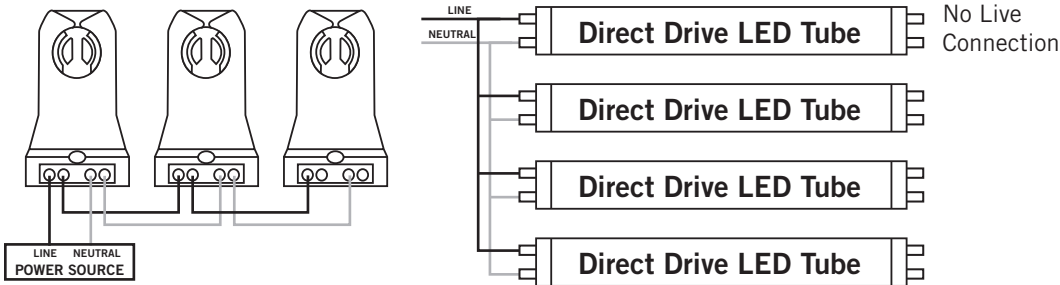
Connect wires directly to these terminals

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.

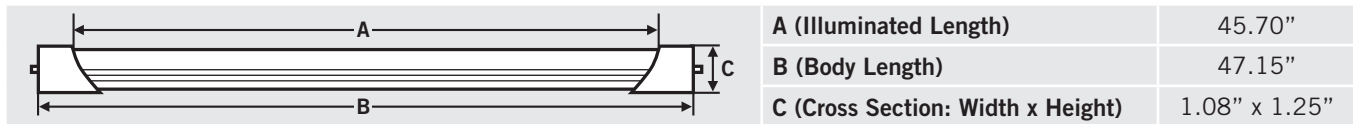
Keystone can provide any style replacement lampholders. Call us at 800-464-2680.

2. Re-wire fixture as shown below.



PHYSICAL CHARACTERISTICS

LAMP DIMENSIONS



NOMINAL LENGTH: 48" BASE TYPE: G13 (Medium Bi-Pin)

ORDERING INFORMATION

| ORDER CODE | PACKAGING STYLE | PACK QTY. | ITEM STATUS |
|-----------------------------|---------------------------------------|-----------|-------------|
| KT-LED18T8-48P-850-D /G2-CP | Carton Pack (Egg Crate Packaging) | 20 | Quick Ship |
| KT-LED18T8-48P-850-D /G2-DP | Distributor Pack (Individual Cartons) | 20 | Quick Ship |

CATALOG NUMBER BREAKDOWN

KT-LED18T8-48P-850-D /G2-CP

