



KT-LED12T8-48G-BL-D

T8 LED BLACK LIGHT LAMP

DESCRIPTION

12W T8 LED | High-Efficiency | Single-ended Wiring



| |
|---------------------------------------|
| LAMP TYPE: Linear |
| BULB TYPE: T8 LED |
| BASE TYPE: G13 (Medium Bi-Pin) |
| WATTAGE: 12W |
| WAVELENGTH: 365nm |



PRODUCT FEATURES

- Replacement for conventional ultraviolet lamp
- BLB glass minimizes visible UV light
- 20,000+ hour lifetime
- Approximately 40% more energy efficient than standard F40T8 BLB lamps
- Environmentally friendly: No mercury used
- Operating temperature: -20°C/-4°F to 45°C/113°F
- Integral driver (isolated) eliminates the need for external driver or ballast
- Instant startup

OPERATING SPECIFICATIONS

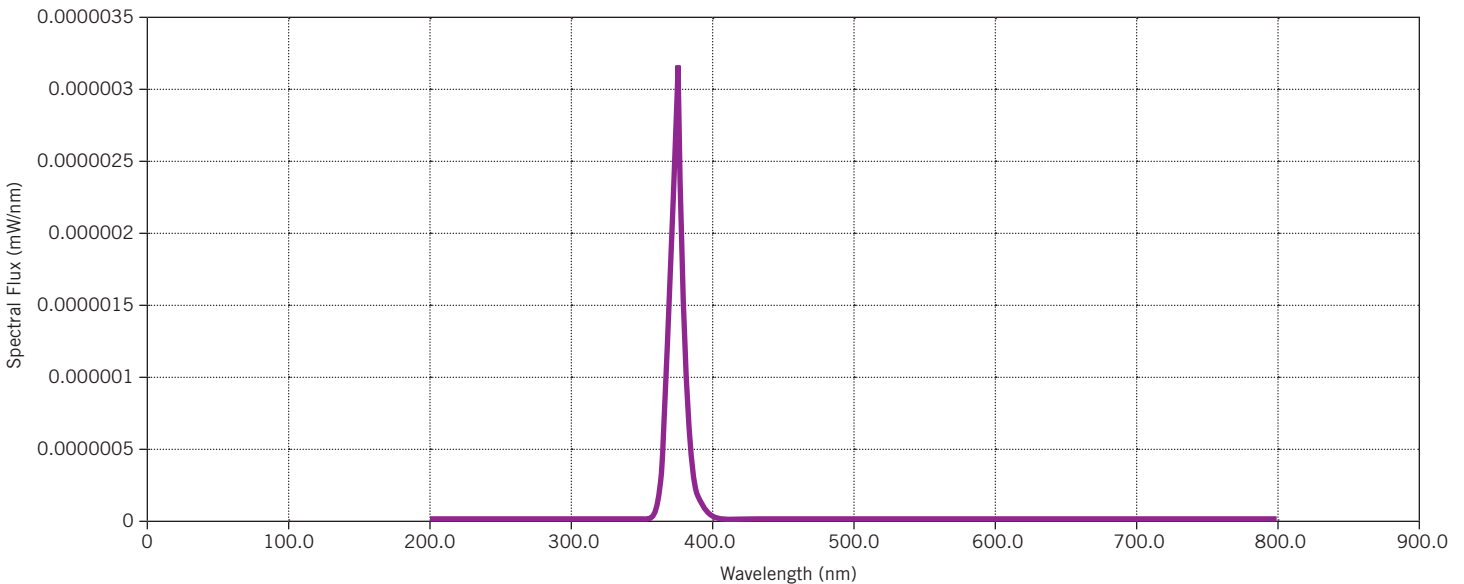
ELECTRICAL CHARACTERISTICS

| Input Voltage | Input Current | Power Consumption | Power Factor | UV Wavelength | Beam Angle |
|---------------|------------------------------|-------------------|--------------|---------------|------------|
| 120-277Vac | 0.10A @ 120V 0.04A @ 277V | 12W | >0.9 | 365nm | 240° |

RATED LIFE

| | |
|-------------|--------|
| L70 (Hours) | 20,000 |
|-------------|--------|

ULTRAVIOLET WAVELENGTH

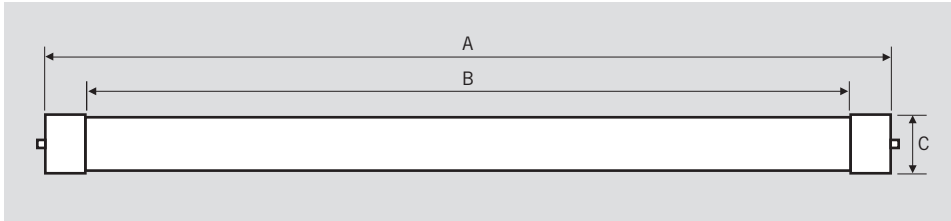




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PHYSICAL CHARACTERISTICS



LAMP DIMENSIONS

| | |
|------------------------|--------|
| A (Body Length) | 47.22" |
| B (Illuminated Length) | 44.31" |
| C (Diameter) | 1.10" |

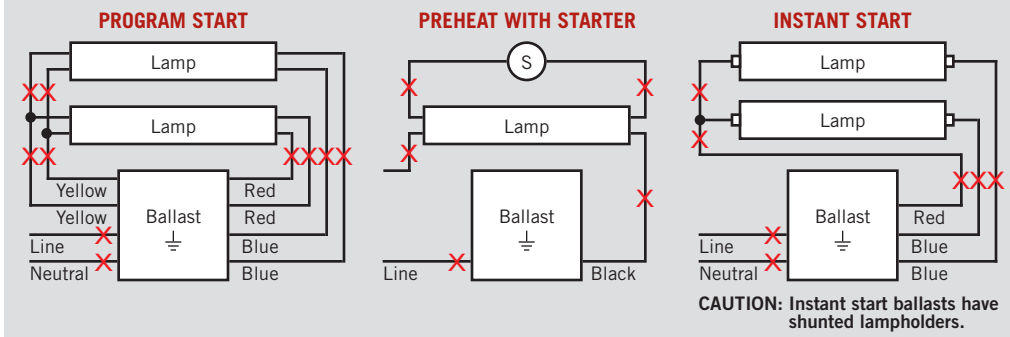
NOMINAL LENGTH: 48"

BASE TYPE: G13 (Medium Bi-Pin)

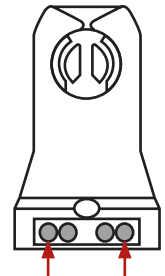
SINGLE-ENDED WIRING DIAGRAM

- 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



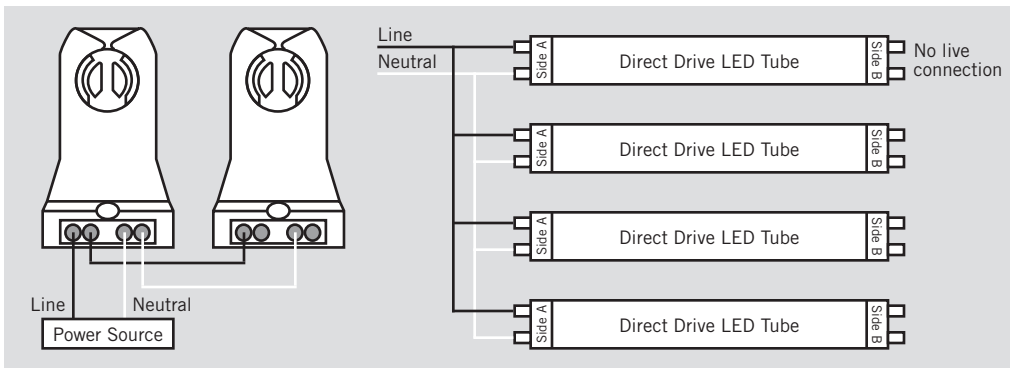
TYPICAL NON-SHUNTED LAMPHOLDER



Connect wires directly to these terminals

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

- Rewire fixture as shown below.



Caution: These lamps emit light in the UV-A Light spectrum (315–400nm) during operation. Avoid prolonged and / or repeated exposure under light source and do not stare directly at the light source. Exposure at less than 12" should be limited. Certain medications and chemicals can increase an individual's sensitivity. Consult your physician for specific information. Protective eyewear should be worn in occupational situations involving long term exposure in close proximity to the lamp. This lamp is not intended and should not be used for diagnostic, therapeutic, or cosmetic purposes.

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.



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ORDERING INFORMATION

| ORDER CODE | PACKAGING STYLE | PACK QTY. | ITEM STATUS |
|------------------------|-----------------------------------|-----------|-------------|
| KT-LED12T8-48G-BL-D-CP | Carton Pack (Egg Crate Packaging) | 25 | Quick Ship |

CATALOG NUMBER BREAKDOWN

KT-LED12T8-48G-BL-D-CP

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 Black Light
- 8 Direct Drive
- 9 Packaging Style