



DIRECT DRIVE LED

LINE VOLTAGE T8 TUBES

KT-LED12.5T8-48G-835-D

T8 LED LAMP

DESCRIPTION

12.5W T8 LED | 3500K | >83 CRI | High Efficiency

LAMP TYPE: Linear
BULB TYPE: T8 LED
BASE TYPE: G13 (Medium Bi-Pin)
WATTAGE: ~12.5W
COLOR TEMPERATURE: 3500K
COLOR RENDERING INDEX (CRI): >83
WARRANTY: 5 Years

Low Optical Flicker
Less Than 2%
Up to 400 Hz



PRODUCT FEATURES

- Replacement for Conventional Fluorescent Lamp
- 50,000+ Hour Lifetime
- Approximately 50% More Energy Efficient than Standard F32T8 Lamps
- Environmentally Friendly: No Mercury Used
- Instant Startup
- Frosted Lens Eliminates Pixelation
- Listed on DLC Qualified Product List
- UL Classified
- Operating Temperature: -20°C/-4°F to 45°C/113°F
- Integral Driver (Isolated), Eliminates the Need for External Driver or Ballast
- 120+ Lumens per Watt
- UL Flicker Free Design from date code 1909K

OPERATING SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

Input Voltage	Power Consumption	Power Factor	Input Current
120-277Vac	~12.5W	>0.9	0.12A @ 120V 0.05A @ 277V

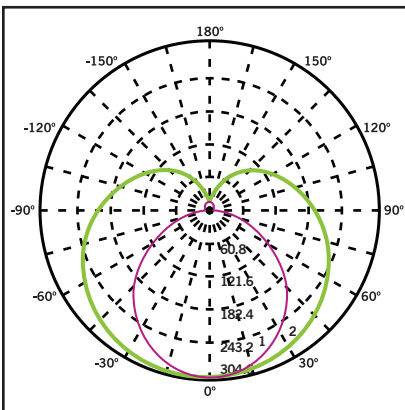
PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	3500K
Luminous Flux	1700 lm
Color Rendering Index (CRI)	>83
Efficacy	129 lm/W
Beam Angle	240°
Visible Light Area	325°

RATED LIFE

L70 (Hours)	50,000
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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)

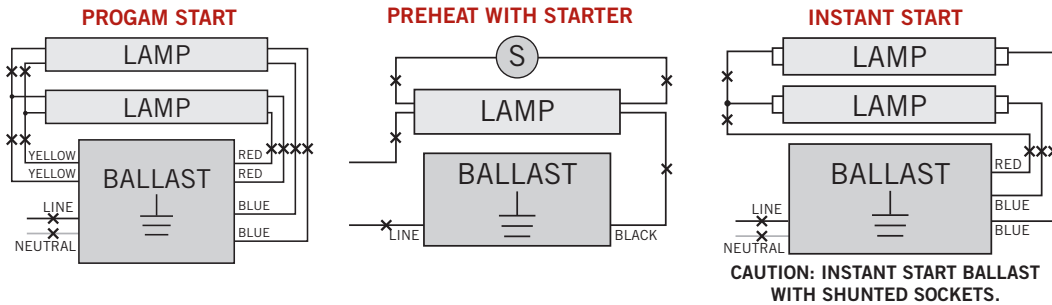
KT-LED12.5T8-48G-835-D

T8 LED LAMP

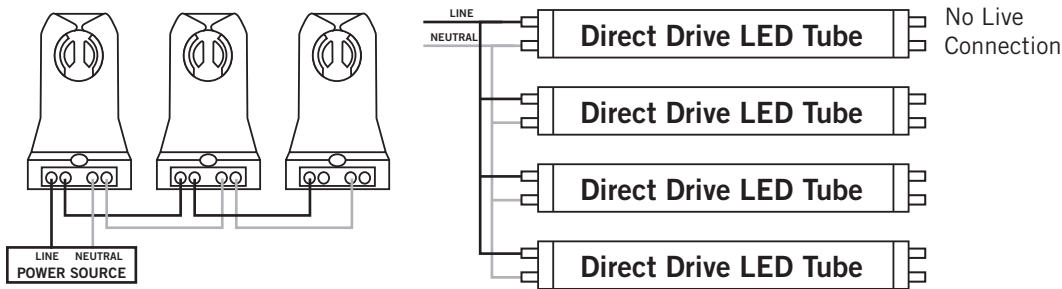
WIRING DIAGRAMS

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

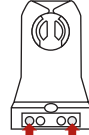
Typical Ballast Configurations:



2. Re-wire fixture as shown below.



Typical Non-Shunted Lampholder



Connect wires directly to these terminals

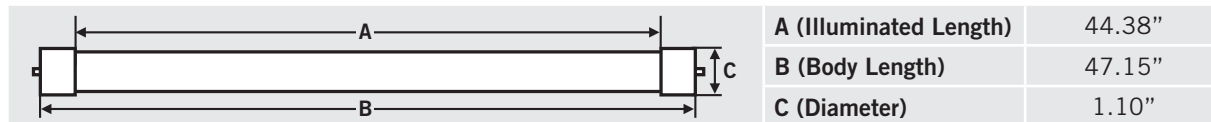
CAUTION: Use only non-shunted lampholders.

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.

PHYSICAL CHARACTERISTICS

LAMP DIMENSIONS



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

ORDERING INFORMATION

ORDER CODE	PACK QTY.	EASY CODE	UPC
KT-LED12.5T8-48G-835-D-CP	25	XFT-54	89094901848

CATALOG NUMBER BREAKDOWN

KT-LED12.5T8-48G-835-D-CP

1 2 3 4 5 6 7 8 9 10

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|-------------------------|---------------------------|-----------------------|
| 1 Keystone Technologies | 5 Nominal Length (Inches) | 9 Direct Drive Series |
| 2 LED Lamp | 6 Glass Case | 10 Packaging Style |
| 3 Wattage | 7 800 Series | |
| 4 Lamp Type | 8 Color Temperature | |