

DIRECT DRIVE LED

LINE VOLTAGE T8 TUBES

KT-LED12.5T8-48G-8XX-D

T8 LED LAMP

DESCRIPTION

12.5W T8 LED | 3000–5000K | >83 CRI |

High Efficiency



LAMP TYPE: Linear
BULB TYPE: T8 LED
BASE TYPE: G13 (Medium Bi-Pin)
WATTAGE: ~12.5W
COLOR TEMPERATURE: 3000–5000K
COLOR RENDERING INDEX (CRI): >83
WARRANTY: 5 Years



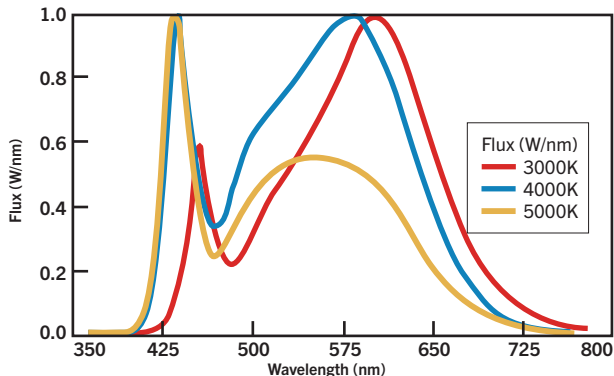
PRODUCT FEATURES

- 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
- Lamp is dimmable when used with an appropriate dimming accessory (purchased separately). Contact Keystone for more details to find out what is best for the intended application.
- ETL Sanitation Listed NSF/ANSI Standard 2 - Food Equipment, Splash Zone (Not for Direct Food Zone without additional fixture considerations)

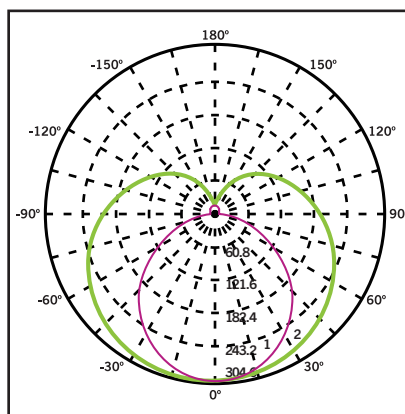
ELECTRICAL AND PERFORMANCE SPECIFICATIONS

Catalog Number	Input Voltage	Power Consumption	Color Temperature (CCT)	Luminous Flux	Efficacy	Beam Angle	Visible Light Area	Power Factor	Input Current	Rated Life
KT-LED12.5T8-48G-830-D	120–277 Vac	~12.5W	3000K	1700 lm	129 lm/W	240°	325°	>0.9	0.12A @ 120V 0.05A @ 277V	L70 (Hours) 50,000
KT-LED12.5T8-48G-835-D			3500K	1700 lm	129 lm/W					
KT-LED12.5T8-48G-840-D			4000K	1750 lm	132 lm/W					
KT-LED12.5T8-48G-850-D			5000K	1850 lm	139 lm/W					

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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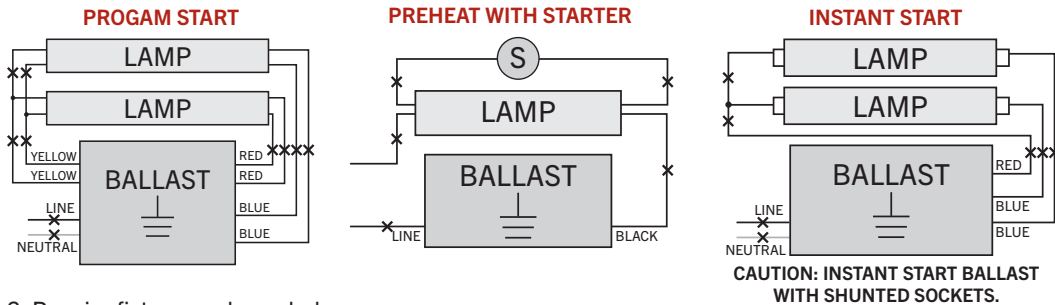
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WIRING DIAGRAMS

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

Typical Ballast Configurations:



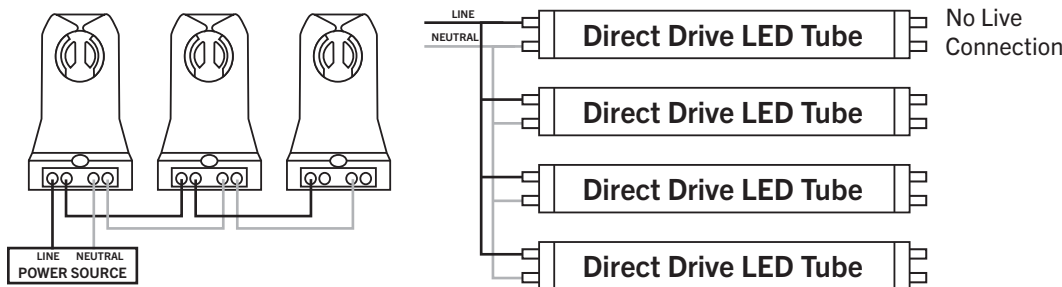
Typical Non-Shunted Lampholder

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.

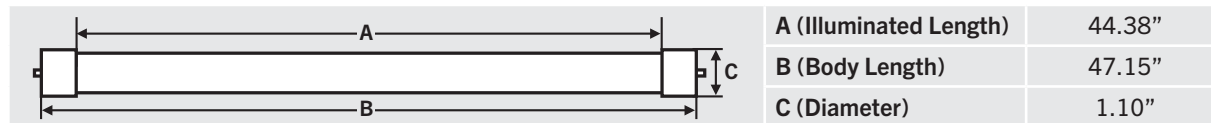
Keystone can provide any style replacement lampholders.
 Call us at 800-464-2680.

2. Re-wire fixture as shown below.



PHYSICAL CHARACTERISTICS

LAMP DIMENSIONS



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

ORDERING INFORMATION

ORDER CODE	PACK QTY.	EASY CODE	UPC	DLC PRODUCT ID
KT-LED12.5T8-48G-830-D-CP	25	YTA-98	TBD	PLM6HNN4JZ71
KT-LED12.5T8-48G-835-D-CP	25	XFT-54	89094901848	PL1PT9LYVFD5
KT-LED12.5T8-48G-840-D-CP	25	RFU-20	89094901849	PLT0UP22QZA7
KT-LED12.5T8-48G-850-D-CP	25	DAC-26	89094901850	PL802LD73LT6

CATALOG NUMBER BREAKDOWN

KT-LED12.5T8-48G-8XX-D-CP

1	2	3	4	5	6	7	8	9	10
1 Keystone Technologies	2 LED Lamp	3 Wattage	4 Lamp Type	5 Nominal Length (Inches)	6 Glass Case	7 80 CRI	8 Color Temperature	9 Direct Drive Series	10 Packaging Style