



DIRECT DRIVE LED
LINE VOLTAGE T8 TUBES

KT-LED18.5T8-48GC-850-D /G2

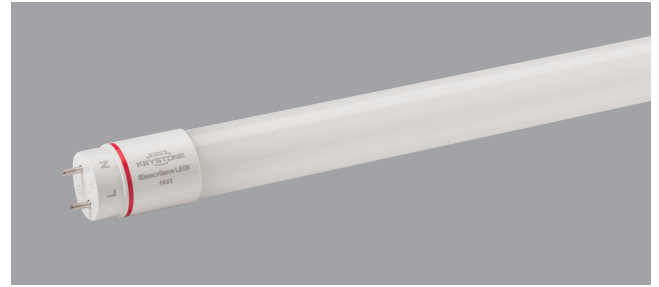
T8 LED LAMP

DESCRIPTION

18.5W T8 LED | 5000K | >83 CRI | High efficiency



LAMP TYPE: Linear
BULB TYPE: T8 LED
BASE TYPE: G13 (Medium Bi-Pin)
WATTAGE: 18.5W
COLOR TEMPERATURE: 5000K
COLOR RENDERING INDEX (CRI): >83
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
- UL classified
- Operating temperature: -20°C/-4°F to 45°C/113°F
- Integral driver (isolated), eliminates the need for external driver or ballast
- 110+ lumens per watt
- Improved lamp durability with shatterproof coated glass, designed to pass drop tests of 6' on hard surface
- ETL Sanitation listed NSF/ANSI Standard 2 - food equipment, splash zone (not for direct food zone without additional fixture considerations)

OPERATING SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

Input Voltage	Power Consumption	Power Factor	Input Current
120-277Vac	18.5W	>0.9	0.15A @ 120V 0.07A @ 277V

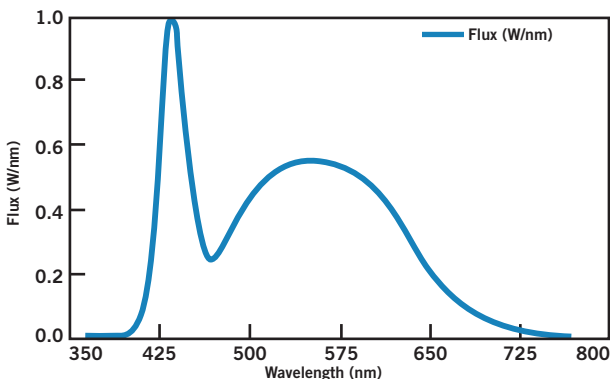
PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	5000K
Luminous Flux	2600 lm
Color Rendering Index (CRI)	>83
Efficacy	141 lm/W
Beam Angle	240°
Visible Light Area	325°

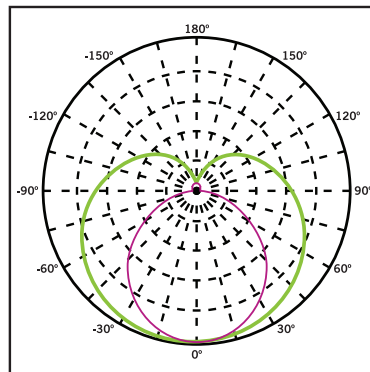
RATED LIFE

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

SPECTRAL DISTRIBUTION



POLAR CANDELA DISTRIBUTION



1. **Violet** Vertical Plane through Horizontal Angles (90-270)
2. **Green** Vertical Plane through Horizontal Angles (0-180)



DIRECT DRIVE LED

LINE VOLTAGE T8 TUBES

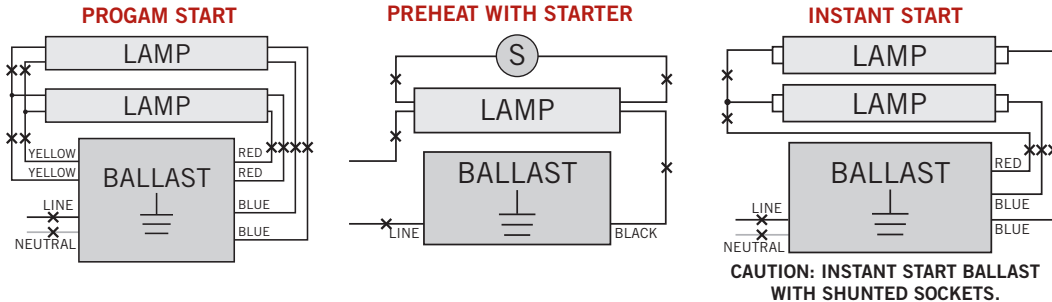
KT-LED18.5T8-48GC-850-D /G2

T8 LED LAMP

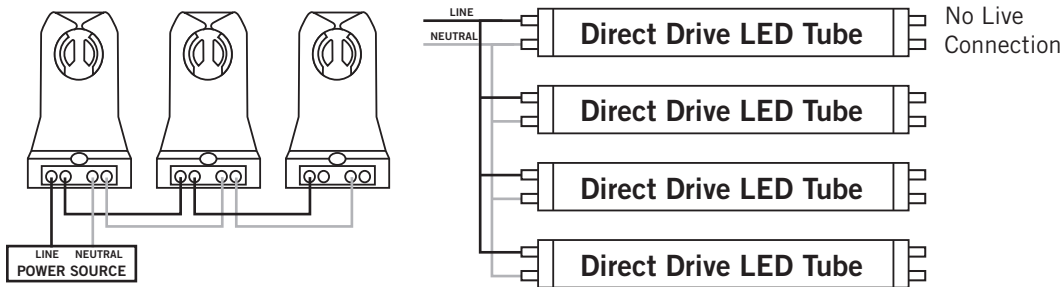
WIRING DIAGRAMS

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

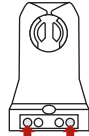
Typical Ballast Configurations:



2. Re-wire fixture as shown below.



Typical Non-Shunted Lampholder



Connect wires directly to these terminals

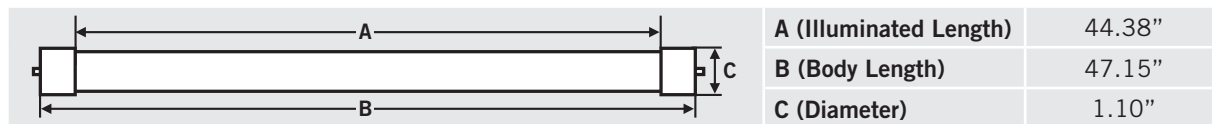
CAUTION: Use only non-shunted lampholders.

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	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KT-LED18.5T8-48GC-850-D /G2-CP	Carton Pack (Egg Crate Packaging)	25	Quick Ship

CATALOG NUMBER BREAKDOWN

KT-LED18.5T8-48GC-850-D /G2-CP

Keystone Technologies	LED Lamp	Wattage	Lamp Type	Nominal Length (Inches)	Shatter-Proof Coated Glass	800 Series	Color Temp.	Direct Drive Series	2nd Generation	Packaging Style
-----------------------	----------	---------	-----------	-------------------------	----------------------------	------------	-------------	---------------------	----------------	-----------------