



KT-LED14.5T8-48GC-950-D-FDIM

T8 LED LAMP

DESCRIPTION

14.5W T8 LED | 5000K | >95 CRI | High Efficiency



LAMP TYPE: Linear

BULB TYPE: T8 LED

BASE TYPE: G13 (Medium Bi-Pin)

WATTAGE: 14.5W

COLOR TEMPERATURE: 5000K

COLOR RENDERING INDEX (CRI): >95

WARRANTY: 5 Years



PRODUCT FEATURES

- Dimmable via TRIAC Dimmers (Forward Phase Control)
- 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 ; Listed on DLC QPL
- 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
- 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
120V	14.5W	>0.9	0.12A @ 120V

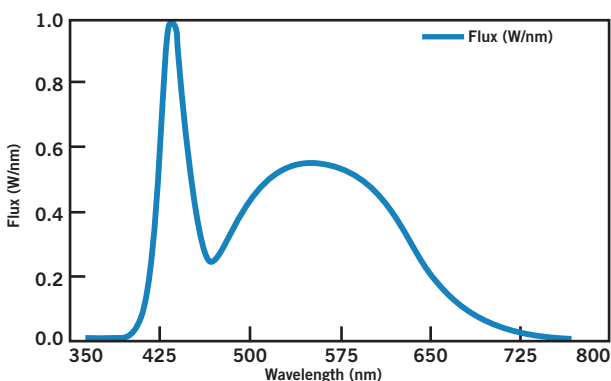
RATED LIFE

L70 (Hours)	50,000
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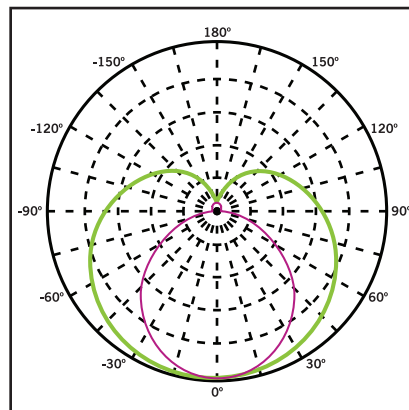
PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	5000K
Luminous Flux	1650 lm
Color Rendering Index (CRI)	>95
Efficacy	113 lm/W
Beam Angle	240°
Visible Light Area	325°

SPECTRAL DISTRIBUTION



POLAR CANDELA DISTRIBUTION



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)



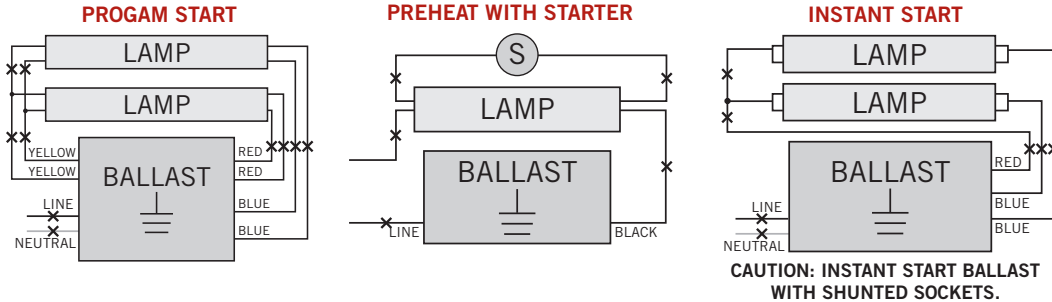
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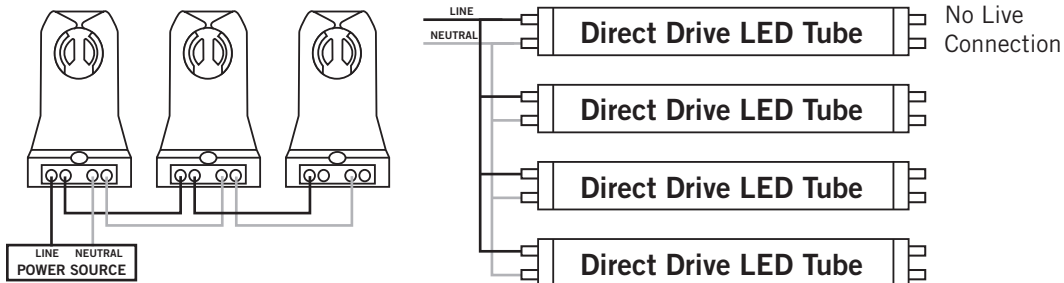
WIRING DIAGRAMS

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

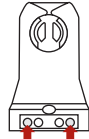
Typical Ballast Configurations:



2. Re-wire fixture as shown below.



Typical Non-Shunted Lampholder



Connect wires directly to these terminals

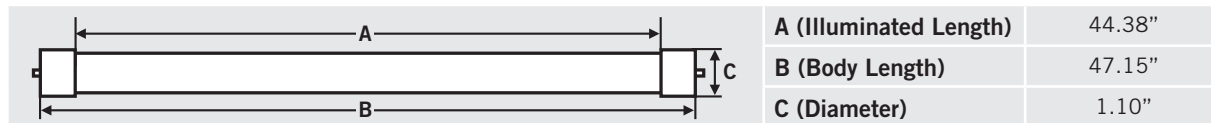
CAUTION: Use only non-shunted lampholders.

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-LED14.5T8-48GC-950-D-FDIM-CP	Carton Pack (Egg Crate Packaging)	25	Quick Ship
KT-LED14.5T8-48GC-950-D-FDIM-DP	Distributor Pack (Individual Cartons)	12	Quick Ship



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CATALOG NUMBER BREAKDOWN

KT-LED14.5T8-48GC-950-D-FDIM-CP

1	2	3	4	5	6	7	8	9	10	11
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1 Keystone Technologies
2 LED Lamp
3 Wattage
4 Lamp Type

5 Nominal Length (inches)
6 Shatter-Proof Coated Glass
7 900 Series
8 Color Temperature

9 Direct Drive Series
10 Forward Phase Control Dimming
11 Packaging Style