KEYSTONE
SINCE 1945

DIRECTDRIVE LED
LINE VOLTAGE T8 TUBES

KT-LED12.5T8-48G-830-D
T8 LED LAMP

DESCRIPTION

12.5W T8 LED **|** 3000K **|** >83 CRI **|** High Efficiency

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

DLC Listed · cULus CLASSIFIED · cULus · RoHS Compliant · 5 YEAR WARRANTY

PRODUCT FEATURES

• Replacement for Conventional Fluorescent Lamp
• 50,000+ Hour Lifetime
• Approximately 50% More Energy Efficient that Standard F32T8 Lamps
• Environmentally Friendly: No Mercury Used
• Instant Startup
• Frosted Lens Eliminates Pixelation

• Listed on DLC Qualified Product List
• UL Classified
• Operating Temperature: -20ºC/-4ºF to 45ºC/113ºF
• Integral Driver (Isolated), Eliminates the Need for External Driver or Ballast
• 120+ Lumens per Watt

OPERATING SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

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

RATED LIFE

L70 (Hours)	50,000

PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	3000K
Luminous Flux	1700 lm
Color Rendering Index (CRI)	>83
Efficacy	129 lm/W
Beam Angle	240º
Visible Light Area	325º

SPECTRAL DISTRIBUTION
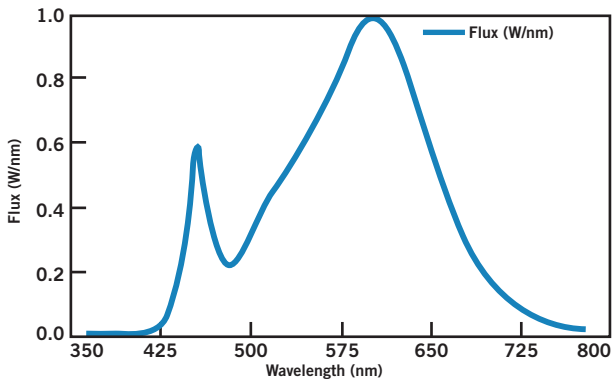
POLAR CANDELA DISTRIBUTION
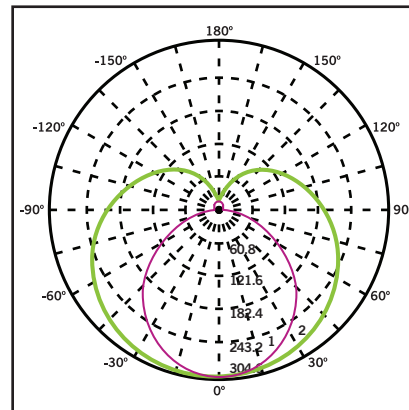
Maximum Candela = 1248.55
Located at Horizontal Angle = 0,
Vertical Angle 0

1. **Violet** Vertical Plane through Horizontal Angles (90-270)

2. **Green** Vertical Plane through Horizontal Angles (0-180)

Keystone Technologies • 1390 Welsh Road, North Wales, PA 19454 • Phone (800) 464-2680 • Fax (888) 966-0556 • **www.keystonetech.com**

Specifications subject to change. Last revised on 1.23.18

KEYSTONE | SINCE 1945
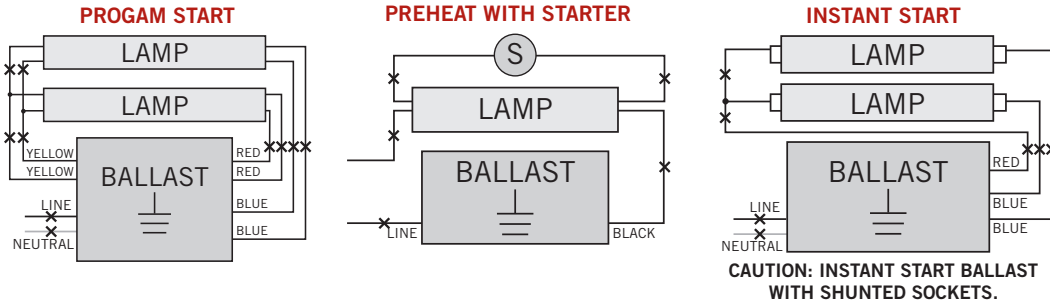
DIRECTDRIVE LED
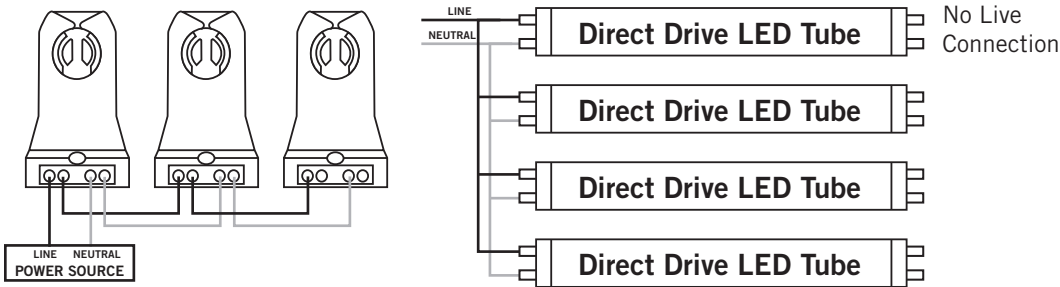LINE VOLTAGE T8 TUBES

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WIRING DIAGRAMS

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

Typical Ballast Configurations:

PROGAM START

PREHEAT WITH STARTER

INSTANT START
CAUTION: INSTANT START BALLAST WITH SHUNTED SOCKETS.
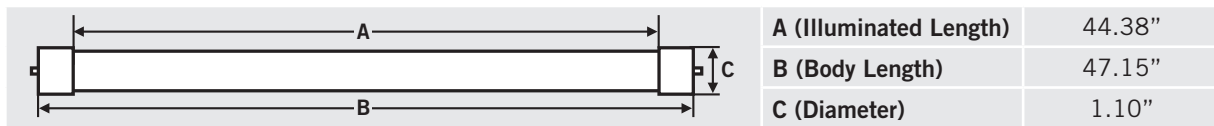
Typical Non-Shunted Lampholder

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.

LINE NEUTRAL POWER SOURCE

LINE
NEUTRAL
Direct Drive LED Tube
Direct Drive LED Tube
Direct Drive LED Tube
Direct Drive LED Tube
No Live Connection

PHYSICAL CHARACTERISTICS
LAMP DIMENSIONS

A (Illuminated Length)	44.38"
B (Body Length)	47.15"
C (Diameter)	1.10"

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

ORDERING INFORMATION

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KT-LED12.5T8-48G-830-D-CP	Carton Pack (Egg Crate Packaging)	25	Quick Ship

CATALOG NUMBER BREAKDOWN

KT-LED12.5T8-48G-830-D-CP

| Keystone Technologies | LED Lamp | Wattage | Lamp Type | Nominal Length (Inches) | Glass | 800 Series | Color Temp. | Direct Drive Series | Packaging Style |

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