SINCE 1945 KEYSTONE | DIRECT DRIVE RE-WIRE T8 LED TUBES

KT-LED9T8-24G-850-D

T8 LED LAMP

DESCRIPTION

9W T8 LED | 5000K | >83 CRI | High Efficiency

RoHS Compliant | 5 YEAR WARRANTY

LAMP TYPE: Linear
BULB TYPE: T8 LED
BASE TYPE: G13 (Medium Bi-Pin)
WATTAGE: 18W
COLOR TEMPERATURE: 5000K
COLOR RENDERING INDEX (CRI): >83
WARRANTY: 5 Years



PRODUCT FEATURES

- Replacement for Conventional Fluorescent Lamp
- Listed on DLC Qualified Product List
- 50,000+ Hour Lifetime
- Approximately 40% More Energy Efficient that Standard F32T8 Lamps
- Environmentally Friendly: No Mercury Used
- Instant Startup
- Frosted Lens Eliminates Pixelation
- UL Classified
- Operating Temperature: -20ºC/-4ºF to 45ºC/113ºF
- Integral Driver (Isolated), Eliminates the Need for External Driver or Ballast
- 100+ Lumens per Watt

OPERATING SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

Input Voltage	Power Consumption	Power Factor	Input Current
120-277Vac	9W	>0.9	0.08A @ 120V 0.04A @ 277V

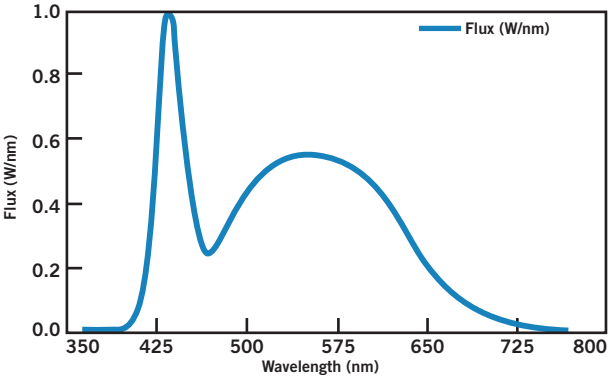
PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	5000K
Luminous Flux	1000 lm
Color Rendering Index (CRI)	>83
Efficacy	111 lm/W
Beam Angle	240º
LED Quantity	120

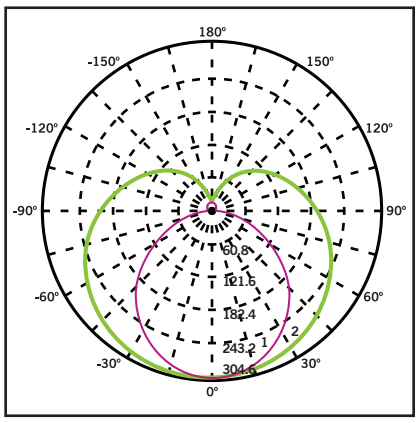
RATED LIFE

L70 (Hours)	50,000

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 • 208 Progress Drive, Montgomeryville, PA 18936 • Phone (800) 464-2680 • Fax (888) 966-0556 • **www.keystonelamp.com**

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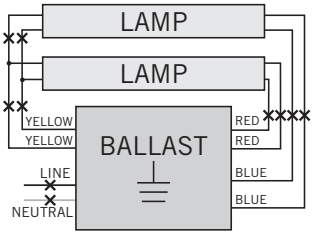
T8 LED LAMP

WIRING DIAGRAMS

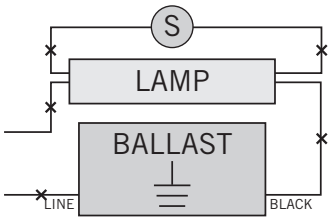
1. Cut all existing connections to ballast as shown below and remove ballast.

Typical Ballast Configurations:

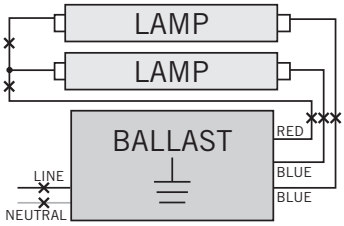
PROGAM START



PREHEAT WITH STARTER

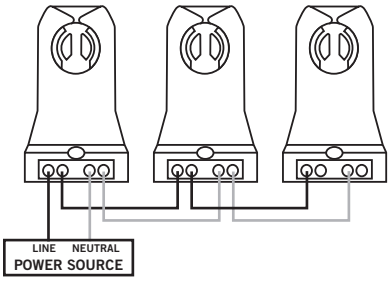


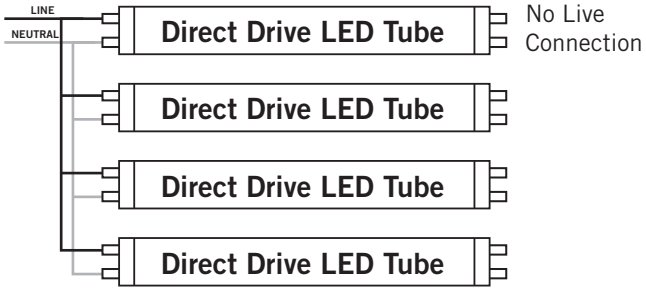
INSTANT START



CAUTION: INSTANT START BALLAST WITH SHUNTED SOCKETS.

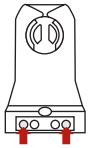
2. Re-wire fixture as shown below (maximum of 4 LED tubes per fixture).





No Live Connection

Typical Non-Shunted Lampholder



Connect wires directly to these terminals

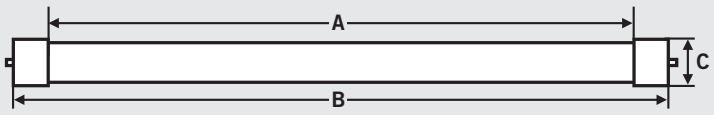
CAUTION: Use only non-shunted lampholders.

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



A (Illuminated Length)	20.31”
B (Body Length)	23.19”
C (Diameter)	1.10”

NOMINAL LENGTH: 24” **BASE TYPE:** G13 (Medium Bi-Pin)

ORDERING INFORMATION

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KT-LED9T8-24G-850-D-CP	Carton Pack (Egg Crate Packaging)	25	Quick Ship
KT-LED9T8-24G-850-D-CP	Distributor Pack (Individual Cartons)	12	Quick Ship

CATALOG NUMBER BREAKDOWN

KT-LED9T8-24G-850-D-CP

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

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