SINCE 1945 KEYSTONE LIGHT MADE EASY®

DIRECTDRIVE LED
LINE VOLTAGE T8 TUBES

KT-LED9T8-48G-8XX-D

T8 LED LAMP

DESCRIPTION

9W T8 LED | 3500–5000K | >83 CRI | High Efficiency

Low Optical Flicker Less Than 2% Up to 400 Hz

LAMP TYPE: Linear
BULB TYPE: T8 LED
BASE TYPE: G13 (Medium Bi-Pin)
WATTAGE: 9W
COLOR TEMPERATURE: 3500–5000K
COLOR RENDERING INDEX (CRI): >83
WARRANTY: 5 Years



PRODUCT FEATURES

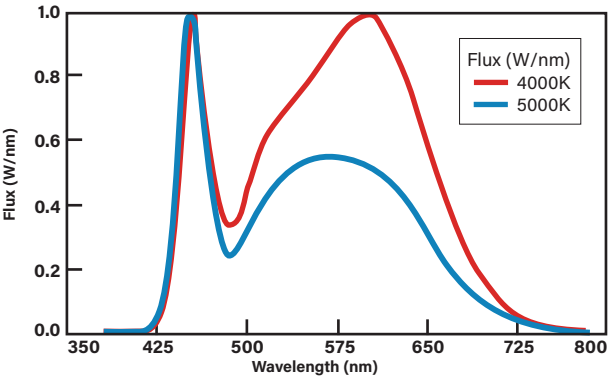
- Replacement for conventional fluorescent lamp
- 50,000+ hour lifetime
- Approx. 50% more energy efficient that standard F32T8 lamps
- Environmentally Friendly: No mercury used
- Instant startup
- Frosted lens eliminates pixelation
- UL Verified low optical flicker
- UL Classified
- Operating temperature: -20ºC/-4ºF to 45ºC/113ºF
- Integral driver (Isolated) eliminates the need for external driver or ballast
- Approximately ~175 lumens per watt
- UL Flicker Free Design from date code 1905C
- 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.
- Not for use in sealed / vapor tight fixtures

ELECTRICAL AND PERFORMANCE SPECIFICATIONS

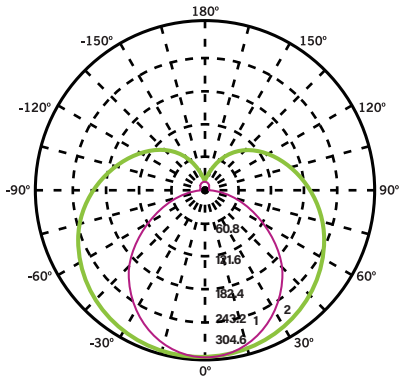
Catalog Number	Input Voltage	Wattage	Color Temperature (CCT)	Luminous Flux	Efficacy	Beam Angle	Visible Light Area	Power Factor	Input Current	Rated Life
KT-LED9T8-48G-835-D	120–277 Vac	9W	3500K	1600 lm	178 lm/W	240º	325º	>0.9	0.12A @ 120V 0.05A @ 277V	L70 (Hours) 50,000
KT-LED9T8-48G-840-D			4000K	1650 lm	183 lm/W					
KT-LED9T8-48G-850-D			5000K	1650 lm	183 lm/W					

PHOTOMETRIC SPECIFICATIONS

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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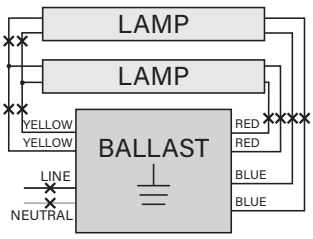
T8 LED LAMP

WIRING DIAGRAMS

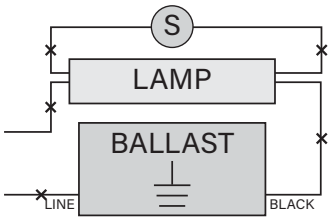
1. Cut all existing connections to ballast as shown below and remove ballast.

Typical Ballast Configurations:

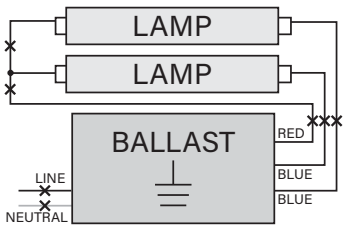
PROGRAM START



PREHEAT WITH STARTER

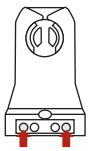


INSTANT START



CAUTION: INSTANT START BALLAST WITH SHUTTED SOCKETS.

Typical Non-Shunted Lampholder



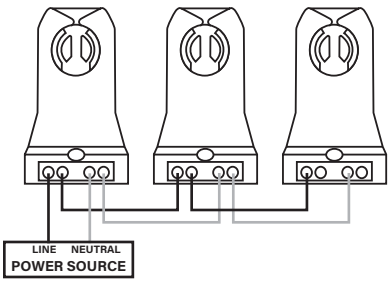
Connect wires directly to these terminals

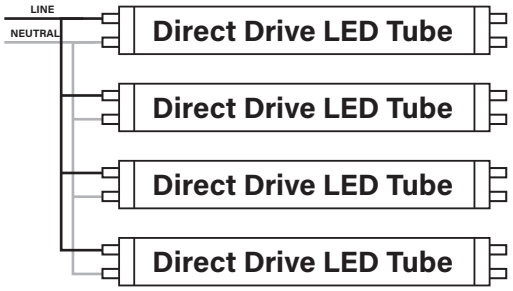
CAUTION: Use only non-shunted lampholders.

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.

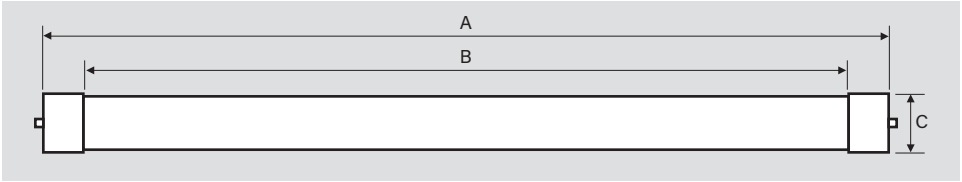
2. Re-wire fixture as shown below.





No Live Connection

PHYSICAL SPECIFICATIONS



LAMP DIMENSIONS

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

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

ORDERING INFORMATION

ORDER CODE	PACK QTY.	EASY CODE	UPC	DLC PRODUCT ID
KT-LED9T8-48G-835-D-CP	25	SRO-04	843654122625	PL20KNTN1GZ0
KT-LED9T8-48G-840-D-CP	25	QZI-38	843654122632	PLQEON3LWD3C
KT-LED9T8-48G-850-D-CP	25	TYU-75	843654122649	PLZXKTL9R53L

CATALOG NUMBER BREAKDOWN

KT-LED9T8-48G-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**
7 **80 CRI**
8 **Color Temperature**
9 **DirectDrive Series**
10 **Packaging Style**