KEYSTONE SINCE 1945

DIRECTDRIVE DX2

SINGLE- OR DOUBLE-ENDED LINE VOLTAGE LED TUBES

KT-LED8T8-48G-8XX-DX2

T8 LED LAMP

DESCRIPTION

8W T8 LED | 3500K-5000K | >82 CRI | High Efficiency | Single or Double-ended Wiring

Low Optical Flicker Less Than 2% Up to 400 Hz | CLASSIFIED c UL us | DLC LISTED | RoHS Compliant | TRUSTED NB | 10 YEAR LIMITED WARRANTY

- **LAMP TYPE:** Linear
- **BULB TYPE:** T8 LED
- **BASE TYPE:** G13 (Medium Bi-Pin)
- **WATTAGE:** 8W
- **COLOR TEMPERATURE:** 3500K-5000K
- **COLOR RENDERING INDEX (CRI):** >82
- **WARRANTY:** 10 Year Limited



PRODUCT FEATURES

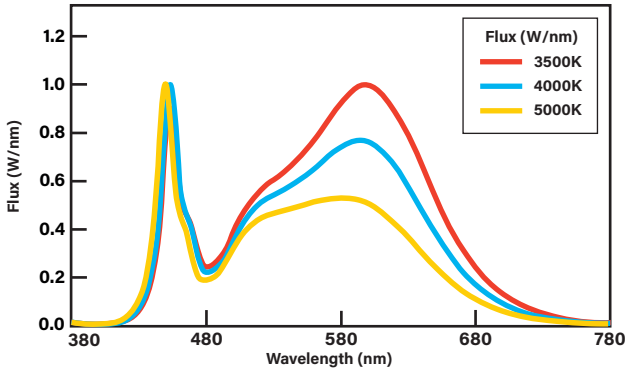
- Replacement for conventional fluorescent lamp
- Single- or double-ended wiring
- Direct wire, 120-277Vac input
- 50,000+ hour lifetime
- UL Classified
- Full glass housing: no aging, no yellowing, no bending
- Environmentally friendly: no mercury
- Suitable for dry and damp locations
- Suitable for open fixtures
- Operating Temperature: -20 C / -4 F to 45 C / 113 F
- 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

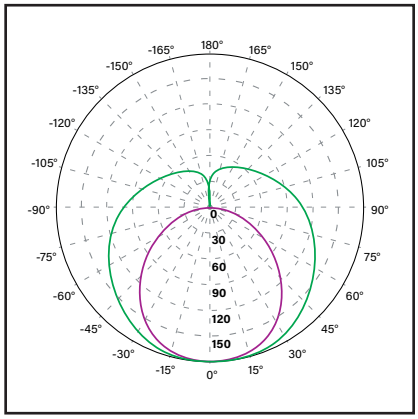
Catalog Number	Input Voltage	Power Consumption	Color Temperature (CCT)	Luminous Flux	Efficacy	Beam Angle	Visible Light Area	Power Factor	Input Current	Rated Life
KT-LED8T8-48G-835-DX2	120–277 Vac	~8.2-8.5W	3500K	1570 lm	185 lm/W	210°	325°	>0.9	0.07A @ 120V 0.03A @ 277V	L70 (Hours) 50,000
KT-LED8T8-48G-840-DX2			4000K	1650 lm	194 lm/W					
KT-LED8T8-48G-850-DX2			5000K	1650 lm	194 lm/W					

PHOTOMETRIC SPECIFICATIONS

SPECTRAL DISTRIBUTION



POLAR CANDELA DISTRIBUTION



Maximum Candela = 278.25
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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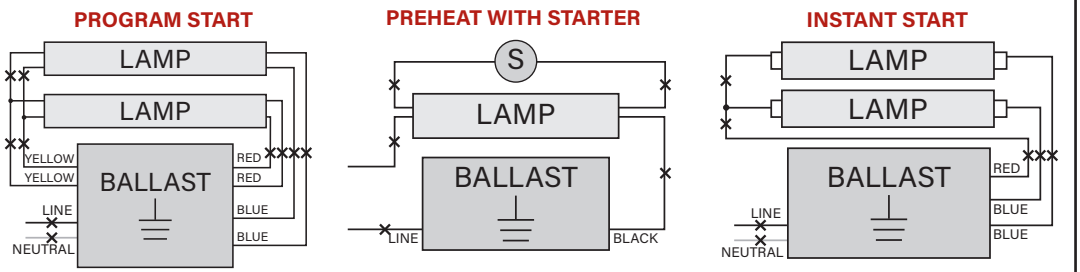
KT-LED8T8-48G-8XX-DX2

T8 LED LAMP

SINGLE-ENDED WIRING DIAGRAM

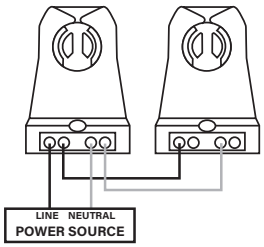
1. Cut all existing connections to ballast as shown below and remove ballast. See Figure A for typical ballast configurations. **Note: Single-ended wiring requires non-shunted lampholders.**

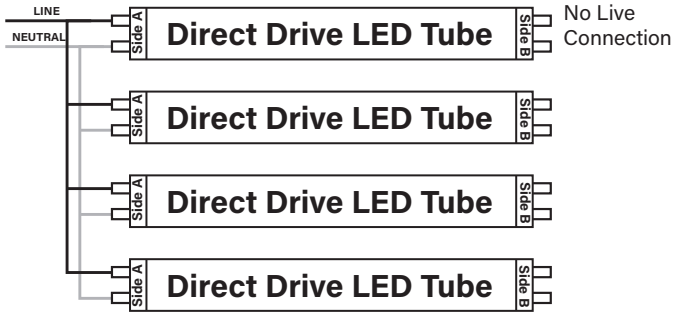
Figure A **Typical Ballast Configurations:**



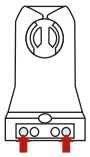
CAUTION: INSTANT START BALLASTS HAVE SHUNTED LAMPHOLDERS.

2. Re-wire fixture as shown below.





Typical Non-Shunted Lampholder



Connect wires directly to these terminals

CAUTION: For Single-ended wiring use only non-shunted lampholders.

For Single-ended wiring, 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.

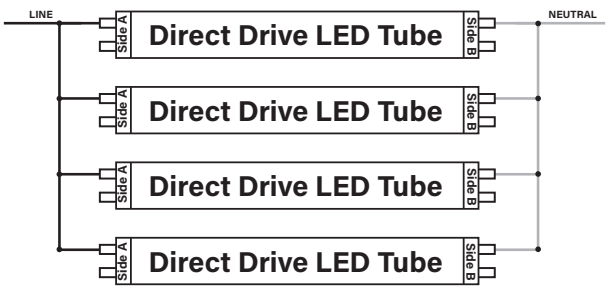
DOUBLE-ENDED WIRING DIAGRAM

1. Cut all existing connections to ballast as shown below and remove ballast. See Figure A above for typical ballast configurations.

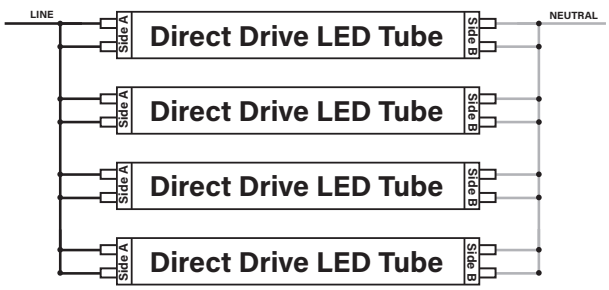
2. Re-wire fixture as shown below. For Double-ended wiring, use either shunted or nonshunted lampholders.

Note: There should not be any exposed wires at the end of installation.

Shunted Lampholders



Nonshunted Lampholders



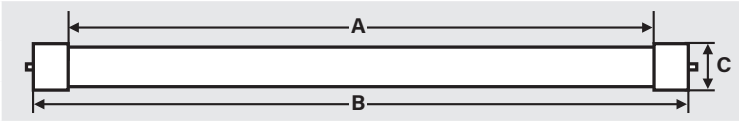
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PHYSICAL SPECIFICATIONS

LAMP DIMENSIONS



A (Illuminated Length)	42.63″
B (Body Length)	47.22″
C (Diameter)	1.02″

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

ORDERING INFORMATION

ORDER CODE	PACK QTY.	UPC	EASY CODE	DLC PRODUCT ID
KT-LED8T8-48G-835-DX2	25	843654162164	SPY-14	S-7GP7XM
KT-LED8T8-48G-840-DX2	25	843654162171	ZMS-07	S-JQ3236
KT-LED8T8-48G-850-DX2	25	843654162188	FPQ-39	S-11KL17

CATALOG NUMBER BREAKDOWN

KT-LED8T8-48G-8XX-DX2

1 2 3 4 5 6 7 8 9

1 **Keystone Technologies**
2 **LED Lamp**
3 **Wattage**
4 **Lamp Type**
5 **Nominal Length (Inches)**
6 **Glass**
7 **80 CRI**
8 **Color Temperature**
9 **Single or Double-Ended Wiring**