SINCE 1945 KEYSTONE LIGHT MADE EASY

DIRECTDRIVE DX2
SINGLE- OR DOUBLE-ENDED LINE VOLTAGE LED TUBES

KT-LED14.5T8-48G-8XX-DX2 /G2

T8 LED LAMP

DESCRIPTION

14.5W T8 LED | 3000-6500K | >82 CRI |
High Efficiency | Single or Double-ended Wiring

10 YEAR LIMITED WARRANTY

LAMP TYPE: Linear
BULB TYPE: T8 LED
BASE TYPE: G13 (Medium Bi-Pin)
WATTAGE: 14.5W
COLOR TEMPERATURE: 3000-6500K
COLOR RENDERING INDEX (CRI): >82
WARRANTY: 10 Years



PRODUCT FEATURES

- Replacement for Conventional Fluorescent Lamp
- Single or Double-Ended Wiring
- 50,000+ Hour Lifetime
- Approximately 40% More Energy Efficient that Standard F32T8 Lamps
- Environmentally Friendly: No Mercury Used
- Instant Startup
- NSF listed: NSF/ANSI Standard 2: Food equipment, splash zone (component level—not for direct food zone without additional fixture considerations)
- DLC Listed
- Frosted Glass Lens Eliminates Pixelation
- UL Classified
- Operating Temperature: -20ºC/-4ºF to 45ºC/113ºF
- Storage Temperature: -40ºC/-40ºF to 70ºC/158ºF
- Operating Humidity: 35-80%
- THD 20%
- Integral Driver (Isolated), Eliminates the Need for External Driver or Ballast
- 125+ Lumens per Watt
- Meets FCC Part 15, Class B
- Compatible with Keystone AC Emergency Drivers: KT-EMRG-LED-5-500-AC, KT-EMRG-LED-5-500-AC/DF, KT-EMRG-LED-12-1200-AC, or KT-EMRG-LED-12-1200-AC /DF
- 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

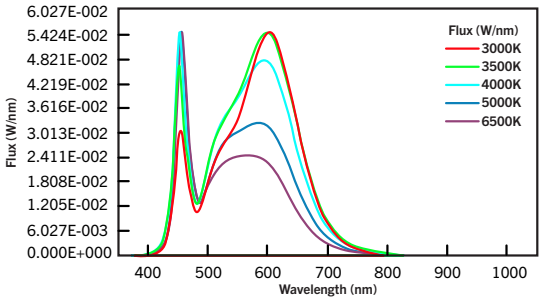
**** TAA options available. See *Ordering Information* below**

PERFORMANCE SPECIFICATIONS

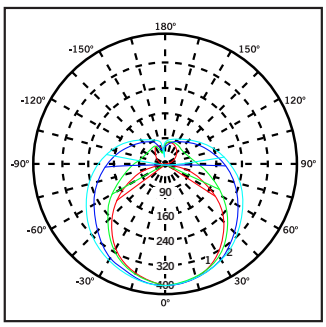
CATALOG NUMBER	INPUT VOLTAGE	WATTAGE	CCT	LUMEN OUTPUT	EFFICACY	CRI	BEAM ANGLE	VISIBLE LIGHT AREA	POWER FACTOR	INPUT CURRENT
KT-LED14.5T8-48G-830-DX2 /G2	120–277V 60Hz	14.5W	3000K	1,900	131 lm/W	>80.0	240	325	> 0.9	125mA @120V, 53mA @277V
KT-LED14.5T8-48G-835-DX2 /G2			3500K	1,900	131 lm/W					
KT-LED14.5T8-48G-840-DX2 /G2			4000K	2,000	138 lm/W					
KT-LED14.5T8-48G-850-DX2 /G2			5000K	2,000	138 lm/W					
KT-LED14.5T8-48G-865-DX2 /G2			6500K	2,000	138 lm/W					

PHOTOMETRIC SPECIFICATIONS

SPECTRAL DISTRIBUTION



POLAR CANDELA DISTRIBUTION



Average Beam Angle (50%): 151.6°

Unit: cd

- C0/180, 110.3
- C30/210, 126.1
- C60/240, 174.7
- C90/270, 195.4

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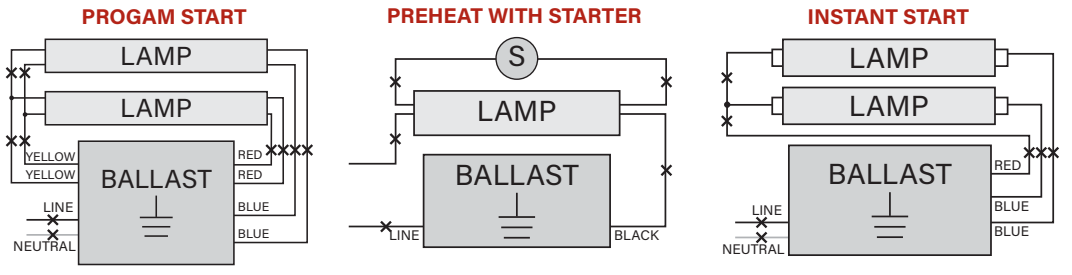
KT-LED14.5T8-48G-8XX-DX2 /G2

T8 LED LAMP

SINGLE-ENDED WIRING DIAGRAM

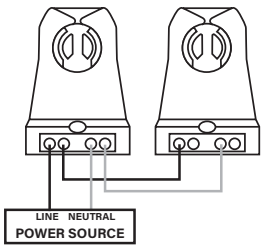
1. Cut all existing connections to ballast as shown below and remove ballast. See Figure A for typical ballast configurations. **Note: Single-ended wiring requires non-shunted lampholders.**

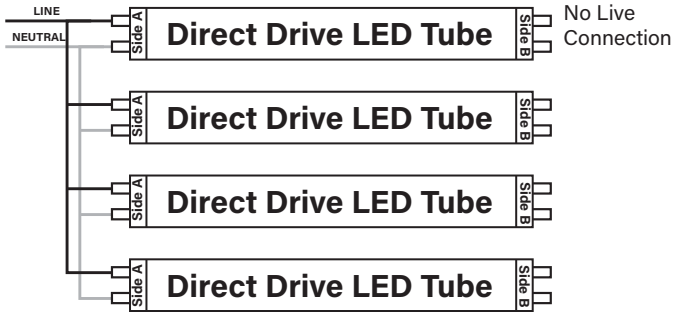
Figure A **Typical Ballast Configurations:**



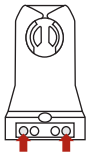
CAUTION: INSTANT START BALLASTS HAVE SHUNTED LAMPHOLDERS.

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.

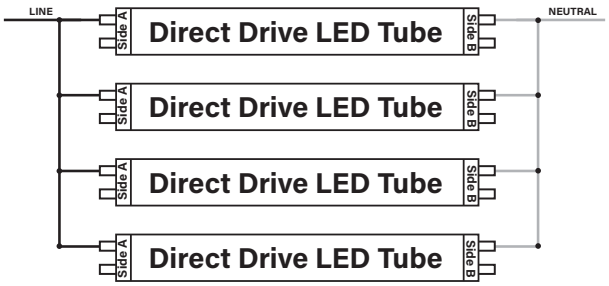
DOUBLE-ENDED WIRING DIAGRAM

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

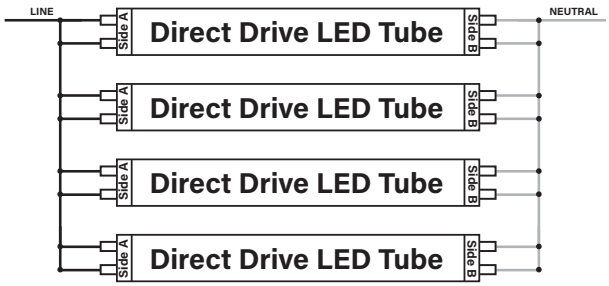
2. Re-wire fixture as shown below. For Double-ended wiring, use either shunted or nonshunted lampholders.

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

Shunted Lampholders



Nonshunted Lampholders



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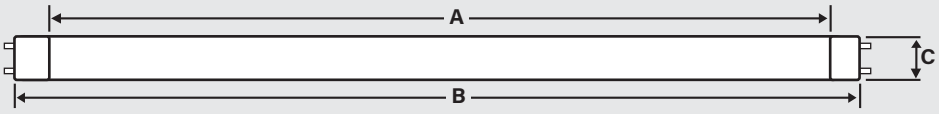
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PHYSICAL SPECIFICATIONS

LAMP DIMENSIONS



A (Illuminated Length)	42.63″
B (Body Length)	47.15″
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-LED14.5T8-48G-830-DX2 /G2	25	843654150000	TSA-82	S-WSPB3J
KT-LED14.5T8-48G-830-DX2 /G2/TAA*	25	TBD	TBD	
KT-LED14.5T8-48G-835-DX2 /G2	25	843654150017	QHT-37	S-LHMOUG
KT-LED14.5T8-48G-835-DX2 /G2/TAA*	25	TBD	TBD	
KT-LED14.5T8-48G-840-DX2 /G2	25	843654150024	ALS-19	S-K4SD9Q
KT-LED14.5T8-48G-840-DX2 /G2/TAA*	25	TBD	TBD	
KT-LED14.5T8-48G-850-DX2 /G2	25	843654150031	QSS-61	S-876V3X
KT-LED14.5T8-48G-850-DX2 /G2/TAA*	25	TBD	TBD	
KT-LED14.5T8-48G-865-DX2 /G2	25	843654150048	QVI-46	S-1WCMJ2
KT-LED14.5T8-48G-865-DX2 /G2/TAA*	25	TBD	TBD	

* Special Order Items

CATALOG NUMBER BREAKDOWN

KT-LED14.5T8-48G-8XX-DX2 /G2

1	2	3	4	5	6	7	8	9	10	11

1 **Keystone Technologies**
2 **LED Lamp**
3 **Wattage**
4 **Lamp Type**
5 **Nominal Length (inches)**
6 **Glass**
7 **80 CRI**
8 **Color Temp.**
9 **Single or Double-Ended Wiring**
10 **Second Generation**
11 **TAA Compliant**

11 TAA Compliant

/TAA	Made in Mexico