



# DIRECT DRIVE 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 than 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

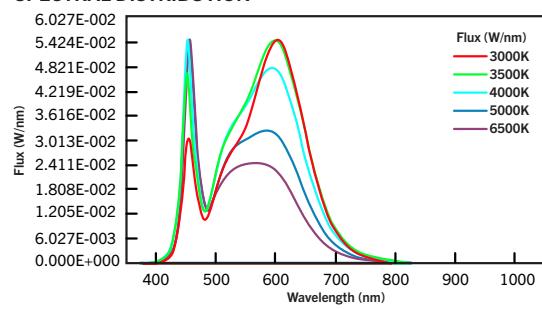
- Operating Temperature: -20°C/-4°F to 45°C/113°F
- Storage Temperature: -40°C/-40°F to 70°C/158°F
- Operating Humidity: 35-80%
- THD 20%
- Integral Driver (Isolated), Eliminates the Need for External Driver or Ballast
- 125+ Lumens per Watt
- Meets FCC Part 15, Class B
- Compatible with Keystone AC 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.

### PERFORMANCE SPECIFICATIONS

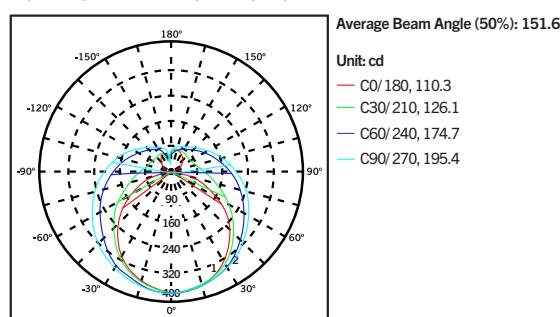
CATALOG NUMBER	INPUT VOLTAGE	WATTAGE	CCT	LUMEN OUTPUT	EFFICACY	CRI	BEAM ANGLE	VISIBLE LIGHT AREA	POWER FACTOR	INPUT CURRENT
KT-LED14.5T8-48G-830-DX2 / G2	120-277V 60Hz	14.5W	3000K	1,900	131 lm/W	> 80.0	240	325	> 0.9	125mA @120V, 53mA @277V
KT-LED14.5T8-48G-835-DX2 / G2			3500K	1,900	131 lm/W					
KT-LED14.5T8-48G-840-DX2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





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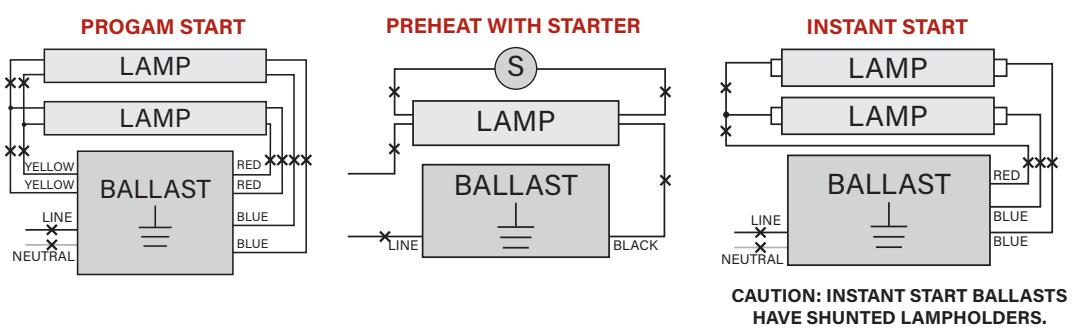
# KT-LED14.5T8-48G-8XX-DX2 / G2

## T8 LED LAMP

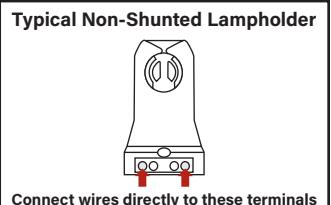
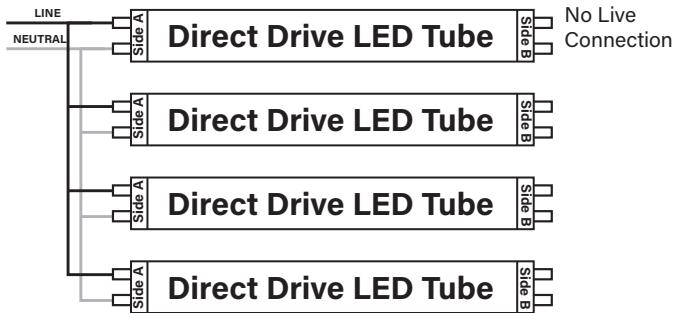
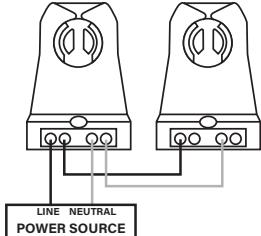
### SINGLE-ENDED WIRING DIAGRAM

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:



2. Re-wire fixture as shown below.



**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.

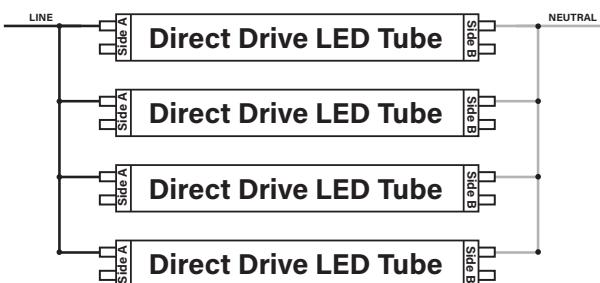
Keystone can provide any style replacement lampholders. Call us at 800-464-2680.

### DOUBLE-ENDED WIRING DIAGRAM

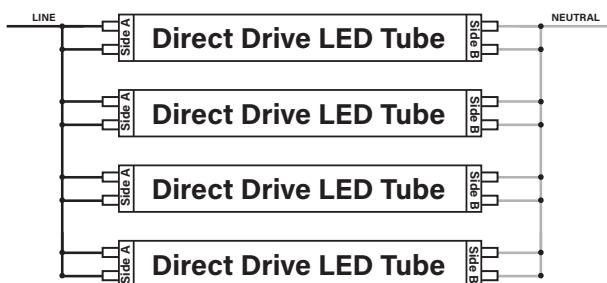
1. Cut all existing connections to ballast as shown below and remove ballast. See Figure A above for typical ballast configurations.
2. Re-wire fixture as shown below. For Double-ended wiring, use either shunted or nonshunted lampholders.

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

Shunted Lampholders



Nonshunted Lampholders





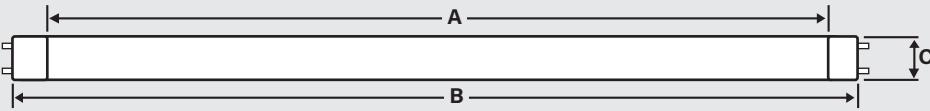
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### PHYSICAL SPECIFICATIONS

#### LAMP DIMENSIONS

	<b>A (Illuminated Length)</b>	42.63"
	<b>B (Body Length)</b>	47.15"
	<b>C (Diameter)</b>	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-835-DX2 /G2	25	843654150017	QHT-37	S-LHMOUG
KT-LED14.5T8-48G-840-DX2 /G2	25	843654150024	ALS-19	S-K4SD9Q
KT-LED14.5T8-48G-850-DX2 /G2	25	843654150031	QSS-61	S-876V3X
KT-LED14.5T8-48G-865-DX2 /G2	25	843654150048	QVI-46	S-1WCMJ2

### CATALOG NUMBER BREAKDOWN

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

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 Temp.
- 9 Single or Double-Ended Wiring
- 10 Second Generation