SINCE 1945 KEYSTONE LIGHT MADE EASY

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

KT-LED10.5T8-48G-8XX-DX2 /G2

T8 LED LAMP

DESCRIPTION

10.5W T8 LED | 2700 - 5000K | >83 CRI | High Efficiency | Single or Double-ended Wiring | UL Type B

10 YEAR LIMITED WARRANTY

LAMP TYPE:	Linear
BULB TYPE:	T8 LED
BASE TYPE:	G13 (Medium Bi-Pin)
WATTAGE:	10.5W
COLOR TEMPERATURE:	2700 - 5000K
COLOR RENDERING INDEX (CRI):	>83
WARRANTY:	10 Years



PRODUCT FEATURES

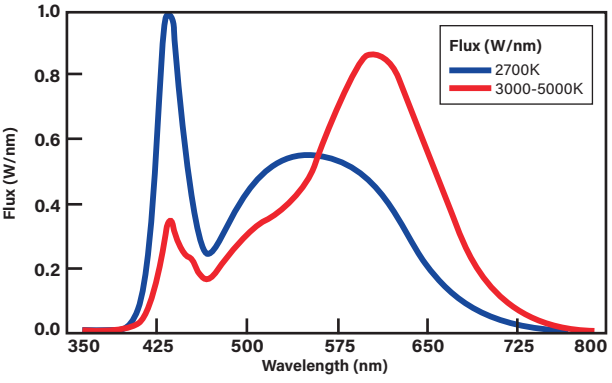
- Replacement for Conventional Fluorescent Lamp
- Single or Double-Ended Wiring
- 50,000+ Hour Lifetime
- Approximately 40% More Energy Efficient that Standard F32T8 Lamps
- Environmentally Friendly: No Mercury Used
- Instant Startup
- Frosted Lens Eliminates Pixelation
- UL Classified
- Operating Temperature: -20ºC/-4ºF to 45ºC/113ºF
- Integral Driver (Isolated), Eliminates the Need for External Driver or Ballast
- 157+ Lumens per Watt
- Compatible with KT-EMRG-LED-5-500-AC Emergency pack
- NSF Listed Component: NSF/ANSI Standard 2 - Food Equipment, Splash Zone (Not for Direct Food Zone without additional fixture considerations)
- 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**

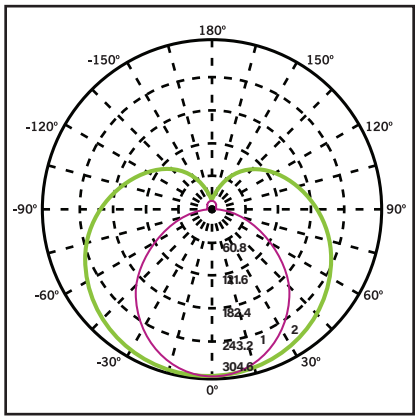
ELECTRICAL SPECIFICATIONS

Input Voltage	Wattage	Lumen Output	Efficacy	CCT	CRI	Beam Angle	Visible Light Area	Power Factor	Input Current	Lifetime
120–277 Vac 60Hz	10.5W	1650	157 lm/W	2700K	>83	240º	325º	>0.9	0.09mA @120V 0.04mA @277V	50,000 hrs
		1650	157 lm/W	3000K						
		1650	157 lm/W	3500K						
		1700	162 lm/W	4000K						
		1720	164 lm/W	5000K						

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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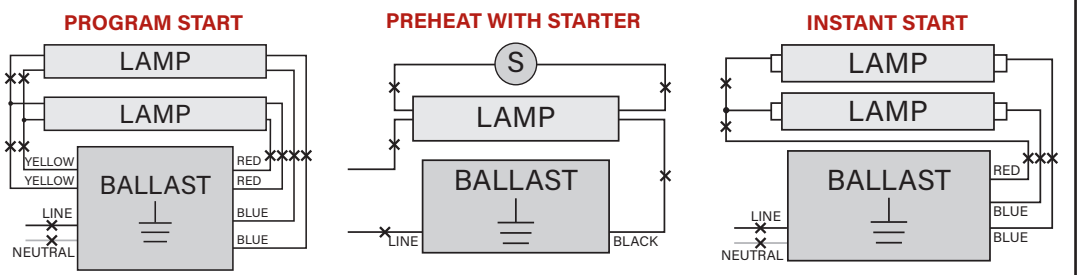
KT-LED10.5T8-48G-8XX-DX2 /G2

T8 LED LAMP

SINGLE-ENDED WIRING DIAGRAM

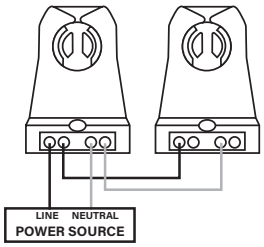
1. Cut all existing connections to ballast as shown below and remove ballast. See Figure A for typical ballast configurations. **Note: Single-ended wiring requires non-shunted lampholders.**

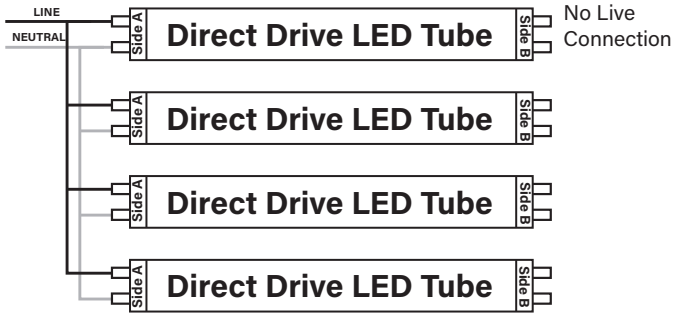
Figure A **Typical Ballast Configurations:**



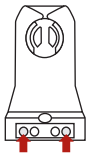
CAUTION: INSTANT START BALLASTS HAVE SHUNTED LAMPHOLDERS.

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.

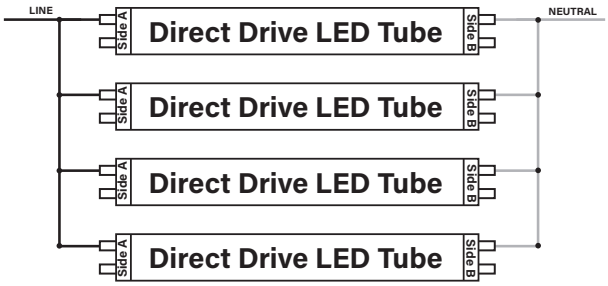
DOUBLE-ENDED WIRING DIAGRAM

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

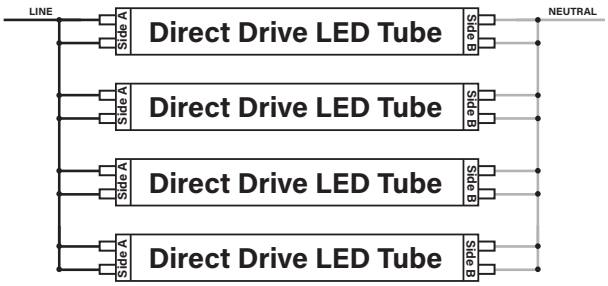
2. Re-wire fixture as shown below. For Double-ended wiring, use either shunted or nonshunted lampholders.

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

Shunted Lampholders



Nonshunted Lampholders



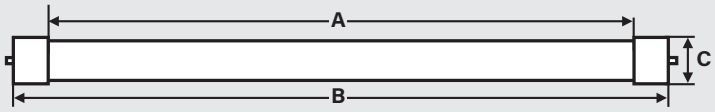
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PHYSICAL CHARACTERISTICS

LAMP DIMENSIONS



A (Illuminated Length)	42.63″
B (Body Length)	47.15″
C (Diameter)	1.10″

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

ORDERING INFORMATION

Catalog Number	Pack QTY.	UPC	Easy Code	DLC ID
KT-LED10.5T8-48G-827-DX2 /G2-CP	25	843654133607	HGU-37	N/A
KT-LED10.5T8-48G-830-DX2 /G2-CP	25	843654132891	NBY-18	P8QG002Z
KT-LED10.5T8-48G-830-DX2 /G2 /TAA*	25	TBD	TBD	
KT-LED10.5T8-48G-835-DX2 /G2-CP	25	890949019290	GHI-44	P1BIUGUC
KT-LED10.5T8-48G-835-DX2 /G2 /TAA*	25	TBD	TBD	
KT-LED10.5T8-48G-840-DX2 /G2-CP	25	890949019306	DJL-35	PCRIB08Y
KT-LED10.5T8-48G-840-DX2 /G2 /TAA*	25	843654183725	XJF-22	
KT-LED10.5T8-48G-850-DX2 /G2-CP	25	890949019313	RXT-56	PZM8WFJ2
KT-LED10.5T8-48G-850-DX2 /G2-CP/TAA*	25	TBD	TBD	

* Special Order Items

CATALOG NUMBER BREAKDOWN

KT-LED10.5T8-48G-8XX-DX2 /G2-CP

1	2	3	4	5	6	7	8	9	10	11	12

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

12 TAA Compliant

/TAA	Made in Mexico