SINCE 1945 KEYSTONE LIGHT MADE EASY

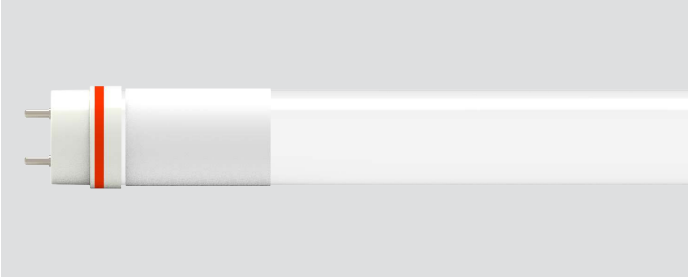
DIRECTDRIVE D2
DOUBLE-ENDED LINE VOLTAGE LED TUBES

KT-LED10.5T8-48G-8XX-D2 /G2
T8 LED LAMP

DESCRIPTION
10.5W LED T8 Tube | 3500/4000/5000K | > 80 CRI | High-Efficency

RoHS Compliant 5 YEAR WARRANTY

- **LAMP TYPE:** Linear
- **BULB TYPE:** T8
- **BASE TYPE:** G13 (Medium Bi-Pin)
- **WATTAGE:** 10.5W
- **COLOR TEMPERATURE:** 3500/4000/5000K
- **COLOR RENDERING INDEX (CRI):** >80
- **WARRANTY:** 5 Years



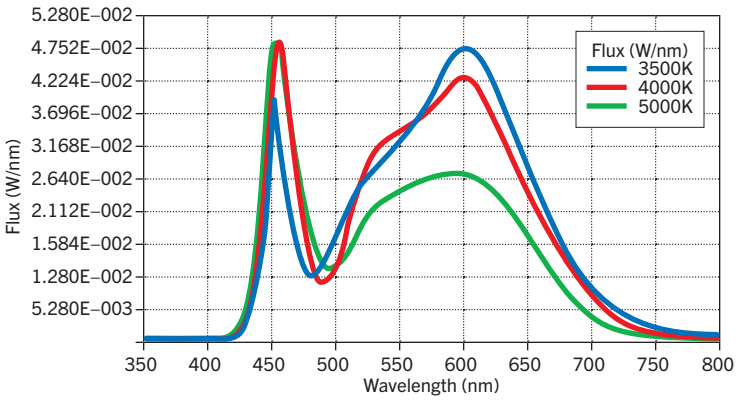
PRODUCT FEATURES
- Replacement for conventional fluorescent lamp
- Double-ended wiring
- 50,000+ hour lifetime
- Approximately 60% more energy efficient than standard F32T8 lamps
- Environmentally friendly: No mercury used
- Instant startup
- DLC Listed
- Frosted glass lens eliminates pixelation
- UL Classified
- Operating temperature: –20°C/–4°F to 45°C/113°F
- Storage temperature: –30°C/–22°F to 60°C/140°F
- Operating humidity: 10–80%
- Integral driver (isolated), eliminates the need for external driver or ballast
- 150+ Lumens per Watt
- Not 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
- Meets FCC Part 15, Part B
- 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

PERFORMANCE SPECIFICATIONS

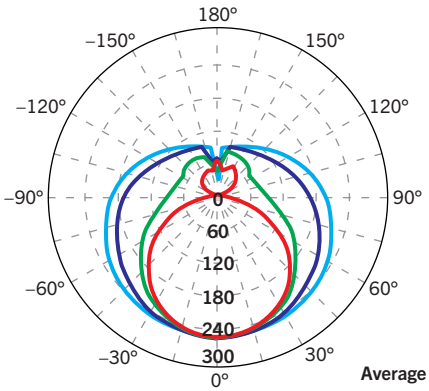
Catalog Number	Input Voltage	Wattage	Color Temperature	Lumen Output	Efficacy	CRI	Beam Angle	Visibel Light Area	Power Factor	THD	Input Current	Life Time
KT-LED10.5T8-48G-835-D2 /G2	120–277V	10.5W	3500K	1600	152 lm/W	>80	240°	325°	> 0.9	> 20%	90mA @120V 43mA @277V	50,000 hrs
KT-LED10.5T8-48G-840-D2 /G2	120–277V	10.5W	4000K	1650	157 lm/W	>80	240°	325°	> 0.9	> 20%	90mA @120V 43mA @277V	50,000 hrs
KT-LED10.5T8-48G-850-D2 /G2	120–277V	10.5W	5000K	1650	157 lm/W	>80	240°	325°	> 0.9	> 20%	90mA @120V 43mA @277V	50,000 hrs

PHOTOMETRIC CHARACTERISTICS

SPECTRAL DISTRIBUTION



POLAR CANDELA DISTRIBUTION



Average Beam Angle (50%): 179.0°

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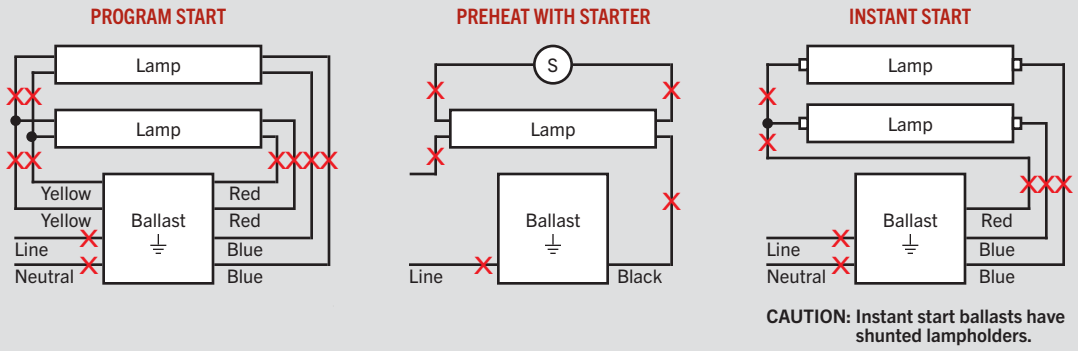
WIRING DIAGRAMS

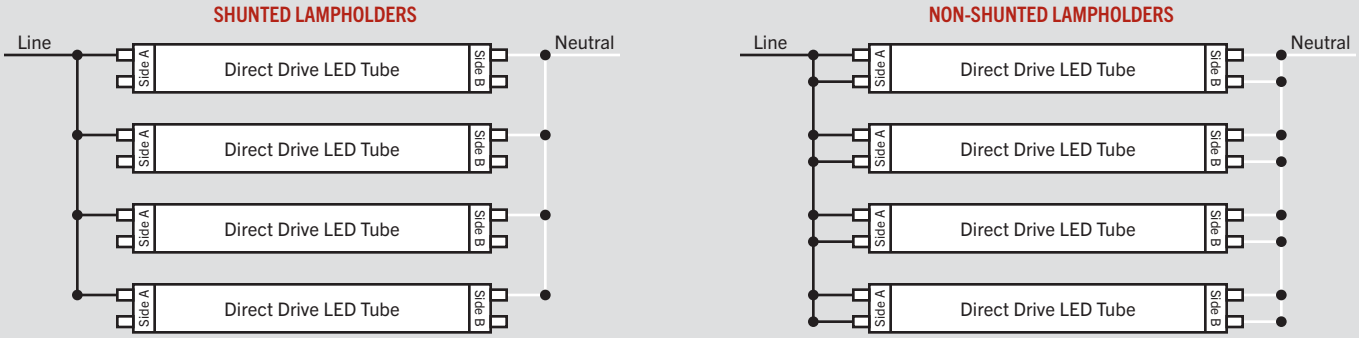
1. Cut all existing connections to ballast as shown below and remove ballast.
See *Figure A* for typical ballast configurations.

FIGURE A TYPICAL BALLAST CONFIGURATIONS



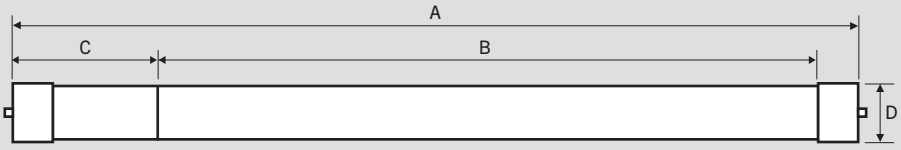
2. Re-wire fixture as shown below. For double-ended wiring, use either shunted or nonshunted lampholders.

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



WARNING Not Compatible with Keystone AC Emergency Backups

PHYSICAL CHARACTERISTICS



LAMP DIMENSIONS

A (Body Length)	47.20"
B (Illuminated Length)	44.00"
C (End Cap/Sticker Area)	2.25"
D (Diameter)	1.10"

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

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ORDERING INFORMATION

ORDER CODE	CARTON QUANTITY	UPC	EASY CODE	DLC PRODUCT ID
KT-LED10.5T8-48G-835-D2 /G2	25	843654148595	GKK-38	S-QMNVZK
KT-LED10.5T8-48G-840-D2 /G2	25	843654148601	QZJ-90	S-3OR2JF
KT-LED10.5T8-48G-850-D2 /G2	25	843654148618	WIR-57	S-O5W71H

CATALOG NUMBER BREAKDOWN

KT-	LED	10.5	T8	-	48	G	-	8XX	-	D2	/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 Construction
7 CRI
8 Color Temperature
9 Double-Ended Wiring
10 Second Generation