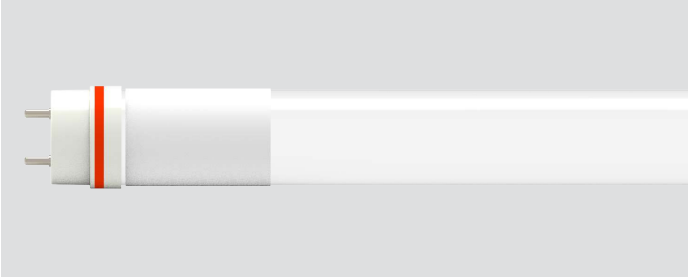
SINCE 1945 KEYSTONE LIGHT MADE EASY

DIRECTDRIVE D2
DOUBLE-ENDED LINE VOLTAGE LED TUBES

KT-LED15T8-48G-8XX-D2 /G2
T8 LED LAMP

DESCRIPTION
15W LED T8 Tube | 3500/4000/5000K | > 80 CRI | High-Efficency

LAMP TYPE: Linear
BULB TYPE: T8
BASE TYPE: G13 (Medium Bi-Pin)
WATTAGE: 15W
COLOR TEMPERATURE: 3500/4000/5000K
COLOR RENDERING INDEX (CRI): >80
WARRANTY: 5 Years



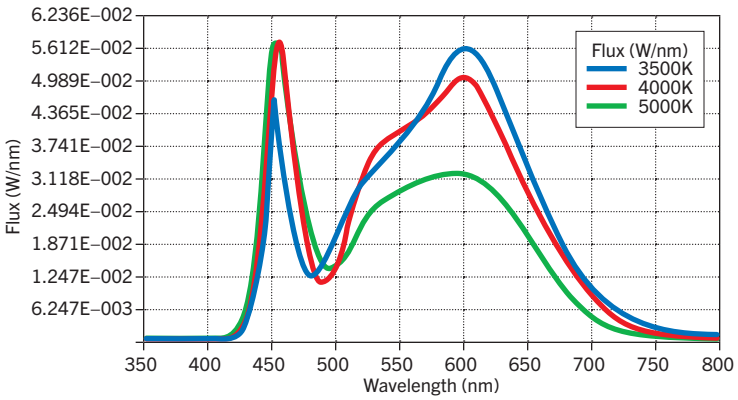
PRODUCT FEATURES
- Replacement for conventional fluorescent lamp
- Double-ended wiring
- 50,000+ hour lifetime
- Approximately 60% more energy efficient than standard F32T8 lamps
- Environmentally friendly: No mercury used
- Instant startup
- DLC Listed
- Frosted glass lens eliminates pixelation
- UL 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
- 140+ 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

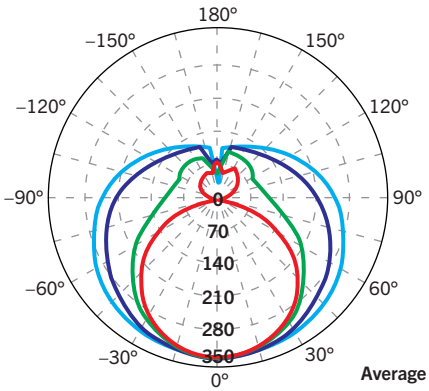
Catalog Number	Input Voltage	Wattage	Color Temperature	Lumen Output	Efficacy	CRI	Beam Angle	Visible Light Area	Power Factor	THD	Input Current	Life Time
KT-LED15T8-48G-835-D2 /G2	120–277V	15W	3500K	2100	142 lm/W	>80	240°	325°	> 0.9	> 20%	125mA @120V 53mA @277V	50,000 hrs
KT-LED15T8-48G-840-D2 /G2	120–277V	15W	4000K	2200	146 lm/W	>80	240°	325°	> 0.9	> 20%	125mA @120V 53mA @277V	50,000 hrs
KT-LED15T8-48G-850-D2 /G2	120–277V	15W	5000K	2200	146 lm/W	>80	240°	325°	> 0.9	> 20%	125mA @120V 53mA @277V	50,000 hrs

PHOTOMETRIC CHARACTERISTICS

SPECTRAL DISTRIBUTION



POLAR CANDELA DISTRIBUTION



Unit = cd
C 0–180: 114.4
C 30–210: 137.6
C 60–240: 216.2
C 90–270: 240.7

Average Beam Angle (50%): 177.2°

KEYSTONE SINCE 1945 LIGHT MADE EASY

DIRECTDRIVE D2 DOUBLE-ENDED LINE VOLTAGE LED TUBES

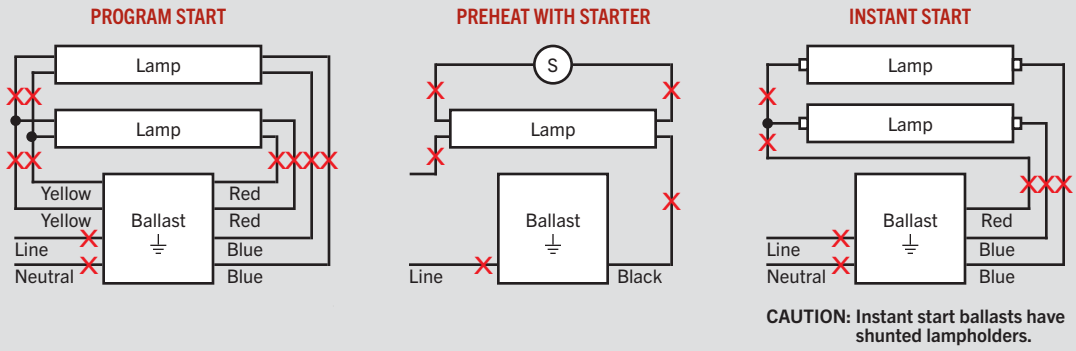
KT-LED15T8-48G-8XX-D2 /G2

T8 LED LAMP

WIRING DIAGRAMS

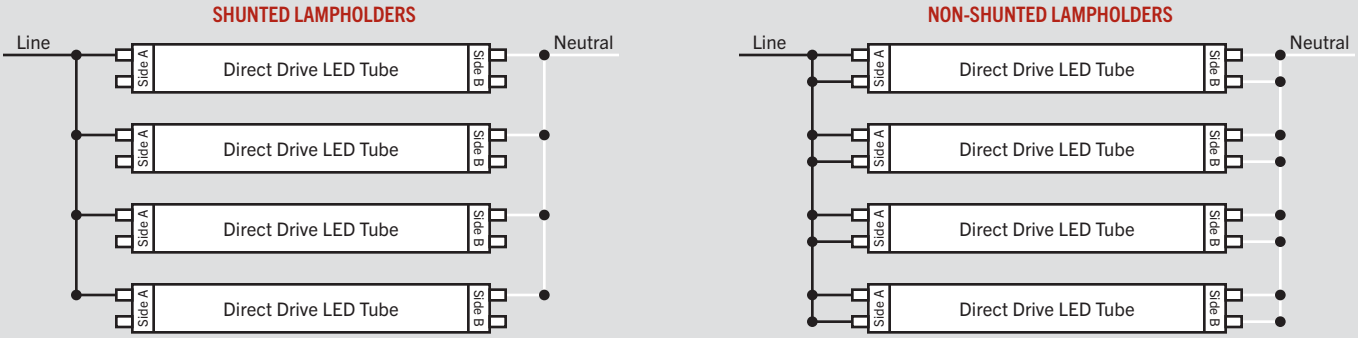
1. Cut all existing connections to ballast as shown below and remove ballast.
See *Figure A* for typical ballast configurations.

FIGURE A TYPICAL BALLAST CONFIGURATIONS



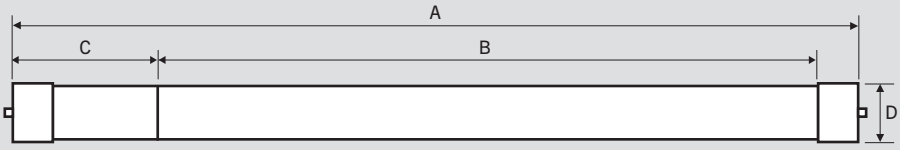
2. Re-wire fixture as shown below. For double-ended wiring, use either shunted or nonshunted lampholders.

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)

SINCE 1945 KEYSTONE LIGHT MADE EASY

DIRECTDRIVE D2
DOUBLE-ENDED LINE VOLTAGE LED TUBES

KT-LED15T8-48G-8XX-D2 /G2
T8 LED LAMP

ORDERING INFORMATION

ORDER CODE	CARTON QUANTITY	UPC	EASY CODE
KT-LED15T8-48G-835-D2 /G2	25	843654148656	MMP-04
KT-LED15T8-48G-840-D2 /G2	25	843654148663	NDE-75
KT-LED15T8-48G-850-D2 /G2	25	843654148670	WGT-65

CATALOG NUMBER BREAKDOWN

KT-LED15T8-48G-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