KEYSTONE | SINCE 1945 | LIGHT MADE EASY®

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

KT-LED15T8-48GC-8XX-DX2 /G2
T8 LED LAMP

DESCRIPTION

15W T8 LED | 3000-6500K | >82 CRI |
High Efficiency | Single or Double-ended Wiring

Badges: c UL us CLASSIFIED | DLC LISTED | UL | RoHS Compliant | NSF | N3 TRUSTED WARRANTY | 10 YEAR LIMITED WARRANTY

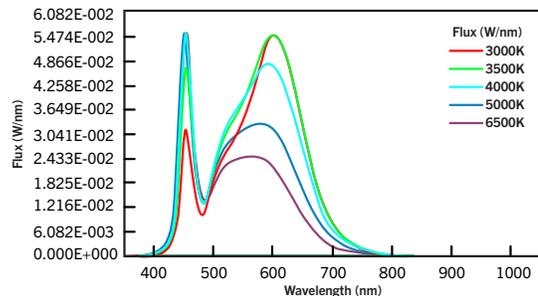|	
LAMP TYPE: Linear	
BULB TYPE: T8 LED	
BASE TYPE: G13 (Medium Bi-Pin)	
WATTAGE: 15W	
COLOR TEMPERATURE: 3000-6500K	
COLOR RENDERING INDEX (CRI): >82	
WARRANTY: 10 Years	

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)
- Improved Lamp Durability with Shatterproof Coated Glass, designed to pass drop tests of 6' on hard surface
- 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.
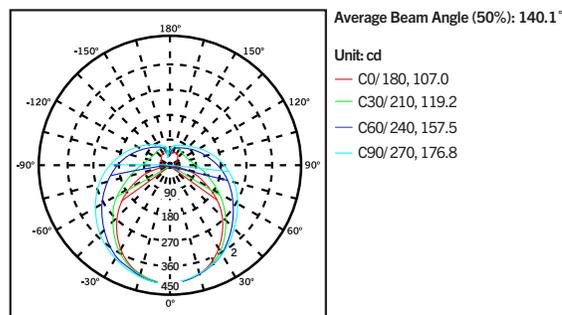
PERFORMANCE SPECIFICATIONS

CATALOG NUMBER	INPUT VOLTAGE	WATTAGE	CCT	LUMEN OUTPUT	EFFICACY	CRI	BEAM ANGLE	VISIBLE LIGHT AREA	POWER FACTOR	INPUT CURRENT
KT-LED15T8-48GC-830-DX2 /G2	120–277V 60Hz	15W	3000K	1,900	127 lm/W	>80.0	210	325	> 0.9	125mA @120V, 53mA @277V
KT-LED15T8-48GC-835-DX2 /G2			3500K	1,900	127 lm/W					
KT-LED15T8-48GC-840-DX2 /G2			4000K	2,000	133 lm/W					
KT-LED15T8-48GC-850-DX2 /G2			5000K	2,000	133 lm/W					
KT-LED15T8-48GC-865-DX2 /G2			6500K	2,000	133 lm/W					

PHOTOMETRIC SPECIFICATIONS

SPECTRAL DISTRIBUTION

Flux (W/nm)
- 3000K
- 3500K
- 4000K
- 5000K
- 6500K

X-axis: Wavelength (nm)
Y-axis: Flux (W/nm)

POLAR CANDELA DISTRIBUTION

Average Beam Angle (50%): 140.1˚

Unit: cd
- C0/180, 107.0
- C30/210, 119.2
- C60/240, 157.5
- C90/270, 176.8

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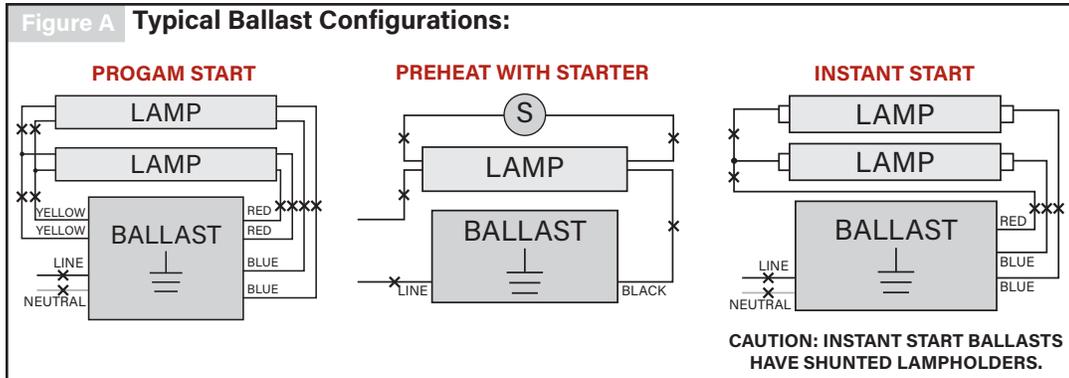
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SINGLE-ENDED WIRING DIAGRAM

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:**

PROGAM START

PREHEAT WITH STARTER

INSTANT START

LAMP / LAMP / BALLAST / YELLOW / YELLOW / LINE / NEUTRAL / RED / RED / BLUE / BLUE

S / LAMP / BALLAST / LINE / BLACK

LAMP / LAMP / BALLAST / LINE / NEUTRAL / RED / BLUE / BLUE

CAUTION: INSTANT START BALLASTS HAVE SHUNTED LAMPHOLDERS.
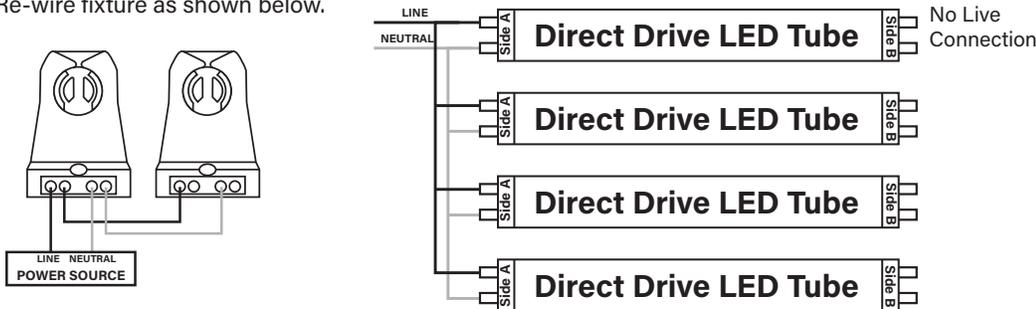
Typical Non-Shunted Lampholder

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.

2. Re-wire fixture as shown below.

LINE / NEUTRAL / LINE NEUTRAL POWER SOURCE

Side A / Direct Drive LED Tube / Side B / No Live Connection
Side A / Direct Drive LED Tube / Side B
Side A / Direct Drive LED Tube / Side B
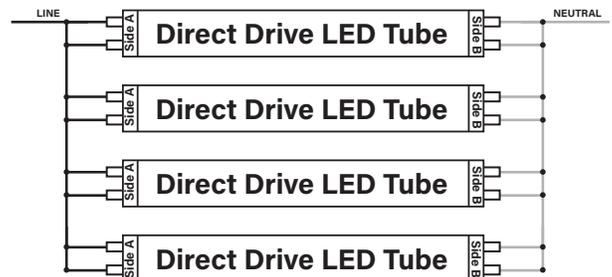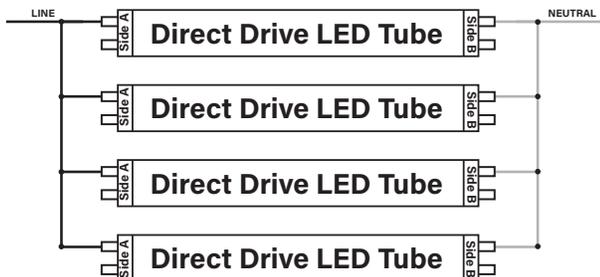Side A / Direct Drive LED Tube / Side B

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

LINE / Side A / Direct Drive LED Tube / Side B / NEUTRAL
Side A / Direct Drive LED Tube / Side B
Side A / Direct Drive LED Tube / Side B
Side A / Direct Drive LED Tube / Side B

Nonshunted Lampholders

LINE / Side A / Direct Drive LED Tube / Side B / NEUTRAL
Side A / Direct Drive LED Tube / Side B
Side A / Direct Drive LED Tube / Side B
Side A / Direct Drive LED Tube / Side B

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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-LED15T8-48GC-830-DX2 /G2	25	843654150055	RGG-26	S-0BA9TI
KT-LED15T8-48GC-835-DX2 /G2	25	843654150062	WBP-71	S-IXHKZQ
KT-LED15T8-48GC-840-DX2 /G2	25	843654150079	LNS-41	S-5KGCNW
KT-LED15T8-48GC-850-DX2 /G2	25	843654150086	AHE-88	S-MP38GC
KT-LED15T8-48GC-865-DX2 /G2	25	843654150093	QLB-60	S-MPU2NS

CATALOG NUMBER BREAKDOWN

KT-LED15T8-48GC-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 Coated
7 80 CRI
8 Color Temp.
9 Single or Double-Ended Wiring
10 Second Generation