



DIRECT DRIVE DX2

SINGLE OR DOUBLE ENDED LINE VOLTAGE LED TUBES

KT-LED18.5T8-48GC-835-DX2 /G2

T8 LED LAMP

DESCRIPTION

18.5W T8 LED | 3500K | >83 CRI | High efficiency | Single or double-ended wiring



LAMP TYPE: Linear

BULB TYPE: T8 LED

BASE TYPE: G13 (Medium Bi-Pin)

WATTAGE: 18.5W

COLOR TEMPERATURE: 3500K

COLOR RENDERING INDEX (CRI): >83

WARRANTY: 5 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
- Frosted lens eliminates pixelation
- DLC listed
- UL classified
- Operating temperature: -20°C/-4°F to 45°C/113°F
- Integral driver (isolated), eliminates the need for external driver or ballast
- 110+ lumens per watt
- Improved lamp durability with shatterproof coated glass
- ETL sanitation listed NSF/ANSI standard 2 - food equipment

OPERATING SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

Input Voltage	Power Consumption	Power Factor	Input Current
120-277Vac	18.5W	>0.9	0.15A @ 120V 0.07A @ 277V

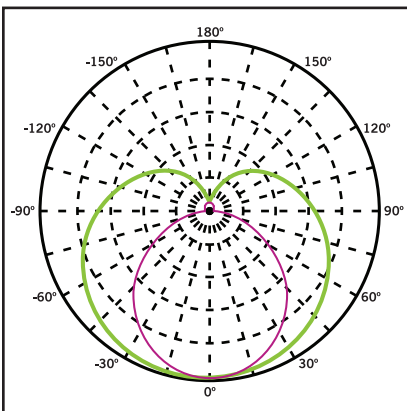
RATED LIFE

L70 (Hours)	50,000
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PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	3500K
Luminous Flux	2450 lm
Color Rendering Index (CRI)	>83
Efficacy	132 lm/W
Beam Angle	240°
Visible Light Area	325°

POLAR CANDELA DISTRIBUTION



1. **Violet** Vertical Plane through Horizontal Angles (90-270)

2. **Green** Vertical Plane through Horizontal Angles (0-180)



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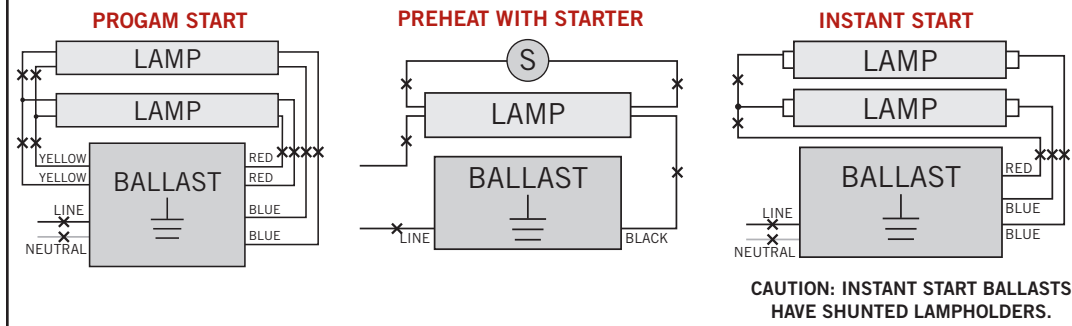
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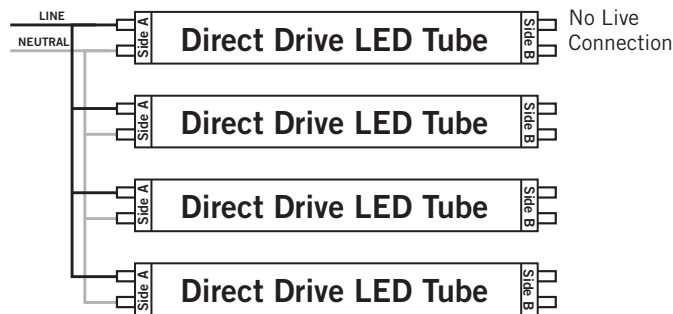
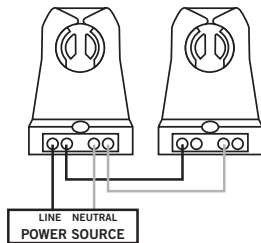
SINGLE-ENDED WIRING DIAGRAM

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.**

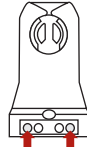
Figure A Typical Ballast Configurations:



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.

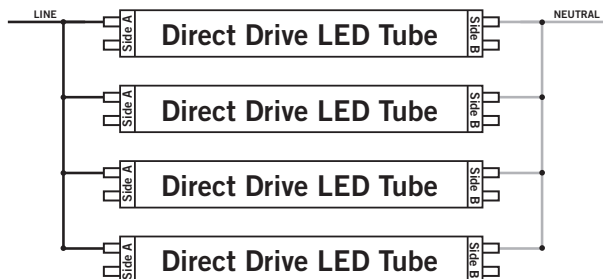
Keystone can provide any style replacement lampholders. Call us at 800-464-2680.

DOUBLE-ENDED WIRING DIAGRAM

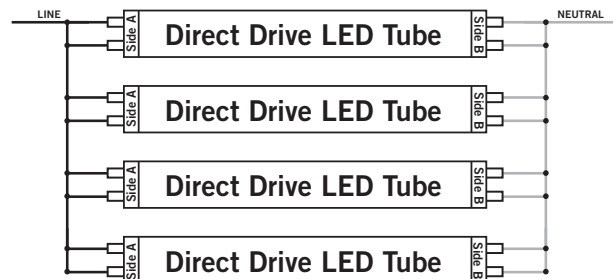
1. Cut all existing connections to ballast as shown below and remove ballast. See Figure A above for typical ballast configurations.
2. Re-wire fixture as shown below. For Double-ended wiring, use either shunted or nonshunted lampholders.

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

Shunted Lampholders



Nonshunted Lampholders





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T8 LED LAMP

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

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KT-LED18.5T8-48GC-835-DX2 /G2-CP	Carton Pack (Egg Crate Packaging)	25	Quick Ship
KT-LED18.5T8-48GC-835-DX2 /G2-DP	Distributor Pack (Individual Cartons)	12	Quick Ship

CATALOG NUMBER BREAKDOWN

KT-LED18.5T8-48GC-835-DX2 /G2-CP											
Keystone Technologies	LED Lamp	Wattage	Lamp Type	Nominal Length (Inches)	Shatter-Proof Coated Glass	800 Series	Color Temp.	Single or Double-Ended Wiring	2nd Generation	Packaging Style	