

DIRECT DRIVE DX2

SINGLE- OR DOUBLE-ENDED LINE VOLTAGE LED TUBES

KT-LED14.5T8-48G-8XX-DX2

T8 LED LAMP

DESCRIPTION

14.5W T8 LED | 3000–6500K | > 83 CRI | High-Efficiency | Single- or Double-ended Wiring



LAMP TYPE: Linear

BULB TYPE: T8

BASE TYPE: G13 (Medium Bi-Pin)

WATTAGE: 14.5W

COLOR TEMPERATURE: 3000–6500K

COLOR RENDERING INDEX (CRI): > 83

WARRANTY: 5 Years



PRODUCT FEATURES

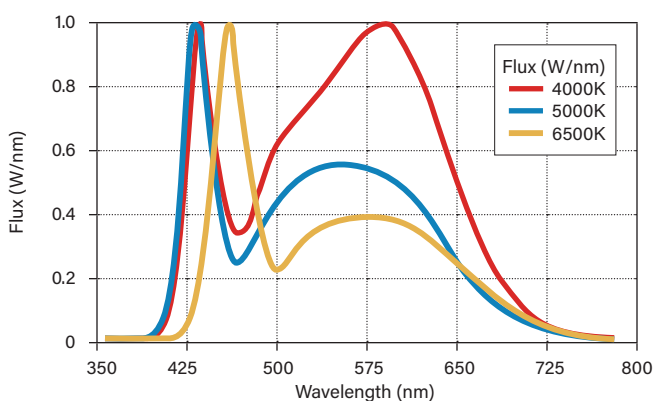
- Replacement for conventional fluorescent lamp
- Single- or double-ended wiring
- 50,000+ hour lifetime
- Approximately 40% more energy efficient than standard F32T8 lamps
- Environmentally friendly: No mercury used
- Instant startup
- Frosted lens eliminates pixelation
- UL classified
- Operating temperature: $-20^{\circ}\text{C}/-4^{\circ}\text{F}$ to $45^{\circ}\text{C}/113^{\circ}\text{F}$
- Integral driver (isolated) eliminates the need for external driver or ballast
- 110+ Lumens per Watt
- 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.

ELECTRICAL AND PERFORMANCE SPECIFICATIONS

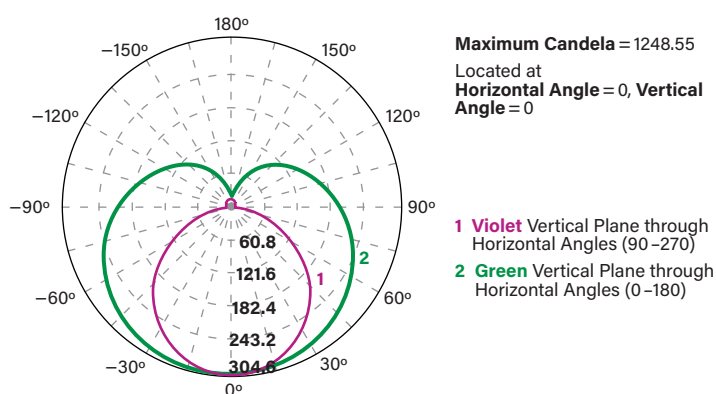
Catalog Number	Input Voltage	Power Consumption	Color Temperature (CCT)	Luminous Flux	Efficacy	Beam Angle	Visible Light Area	Power Factor	Input Current	Rated Life
KT-LED14.5T8-48G-830-DX2-CP	120–277 Vac	14.5W	3000K	1760 lm	121 lm/W	240°	325°	>0.9	0.15A @ 120V 0.06A @ 277V	L70 (Hours) 50,000
KT-LED14.5T8-48G-835-DX2-CP			3500K	1760 lm	121 lm/W					
KT-LED14.5T8-48G-840-DX2-CP			4000K	1810 lm	125 lm/W					
KT-LED14.5T8-48G-850-DX2-CP			5000K	1890 lm	130 lm/W					
KT-LED14.5T8-48G-865-DX2-CP			6500K	1960 lm	135 lm/W					

PHOTOMETRIC SPECIFICATIONS

SPECTRAL DISTRIBUTION



POLAR CANDELA DISTRIBUTION



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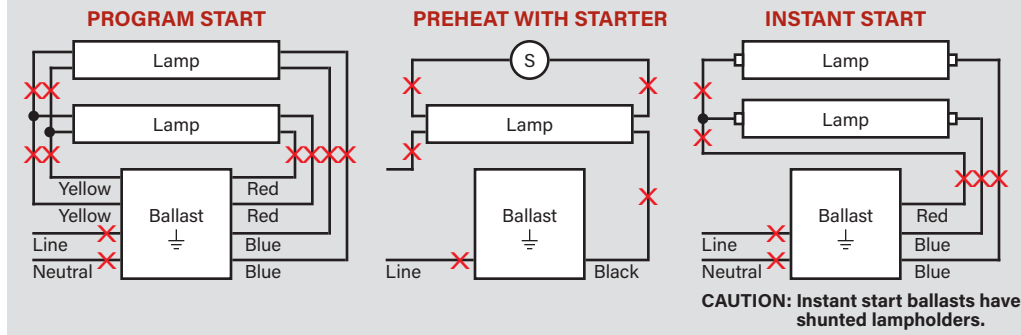
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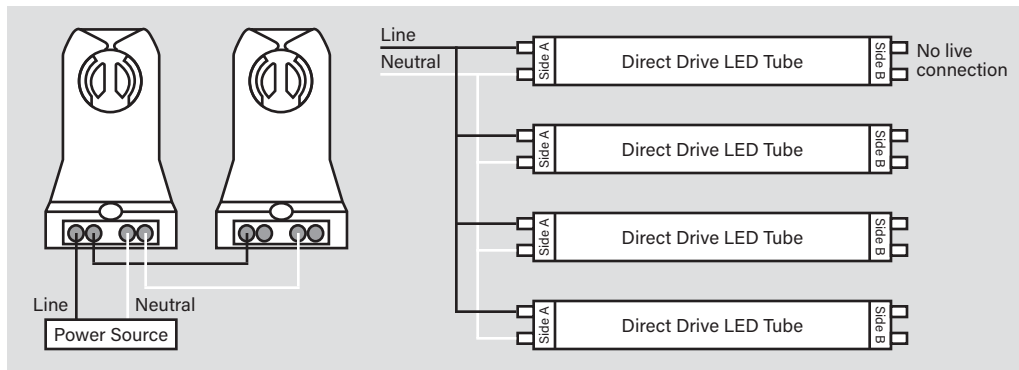
SINGLE-ENDED WIRING DIAGRAM

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.**

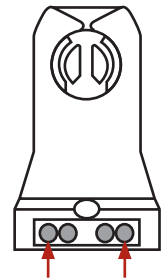
FIGURE A TYPICAL BALLAST CONFIGURATIONS



2. Rewire figure as shown below.



TYPICAL NON-SHUNTED LAMPHOLDER



Connect wires directly to these terminals

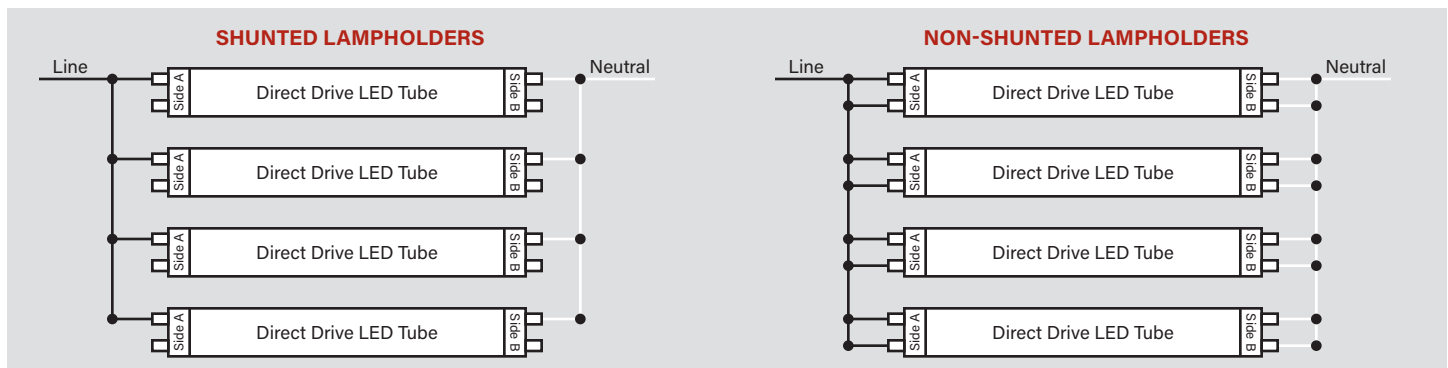
CAUTION: FOR SINGLE-ENDED WIRING USE ONLY NON-SHUNTED LAMPHOLDERS.

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.



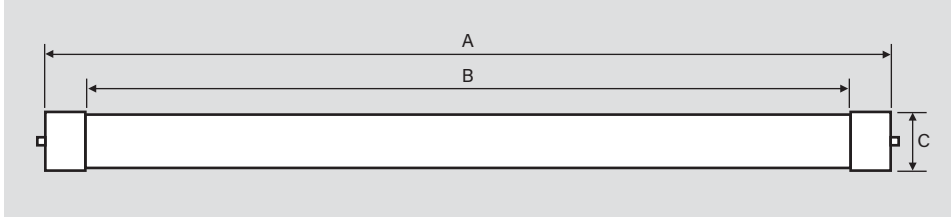
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KT-LED14.5T8-48G-8XX-DX2

T8 LED LAMP

PHYSICAL SPECIFICATIONS



LAMP DIMENSIONS

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

NOMINAL LENGTH: 48"

BASE TYPE: G13 (Medium Bi-Pin)

ORDERING INFORMATION

ORDER CODE	PACKAGING STYLE	PACK QTY.	EASY CODE	UPC	DLC PRODUCT ID
KT-LED14.5T8-48G-830-DX2-CP	Carton Pack (Egg Crate Packaging)	25	DWP-68	843654123417	PLPXYN6MMWE
KT-LED14.5T8-48G-835-DX2-CP	Carton Pack (Egg Crate Packaging)	25	SWH-33	843654120973	PLPDLVOZMO9O
KT-LED14.5T8-48G-840-DX2-CP	Carton Pack (Egg Crate Packaging)	25	LPP-84	843654120980	PL26RNFSG9P
KT-LED14.5T8-48G-850-DX2-CP	Carton Pack (Egg Crate Packaging)	25	IGO-06	843654120997	PLJGNEBW2XJ1
KT-LED14.5T8-48G-865-DX2-CP	Carton Pack (Egg Crate Packaging)	25	ITC-65	843654121161	TBD

CATALOG NUMBER BREAKDOWN

KT-LED14.5T8-48G-8XX-DX2-CP

1	2	3	4	5	6	7	8	9	10
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- 1 Keystone Technologies
- 2 LED Lamp
- 3 Wattage
- 4 Lamp Type
- 5 Nominal Length (Inches)
- 6 Glass Construction
- 7 80 CRI
- 8 Color Temperature
- 9 Single- or Double-Ended Wiring
- 10 Packaging Style

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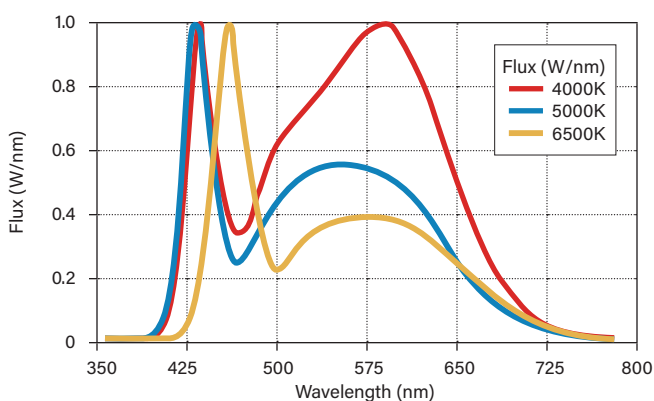
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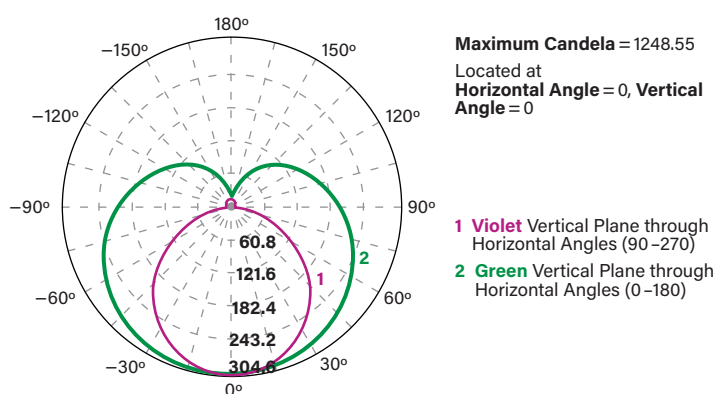
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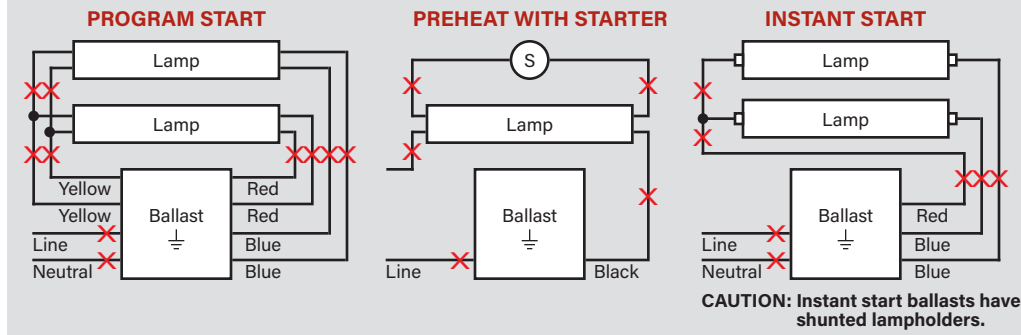
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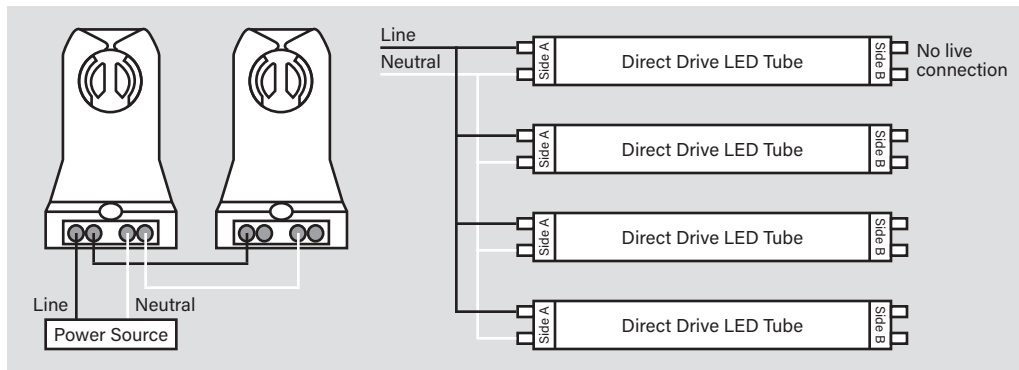
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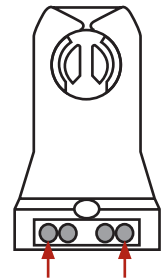
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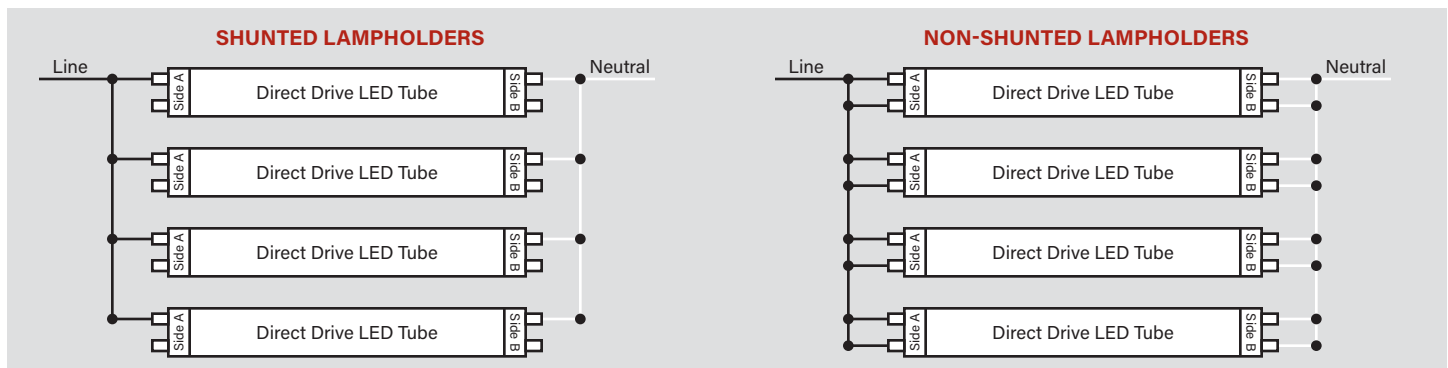
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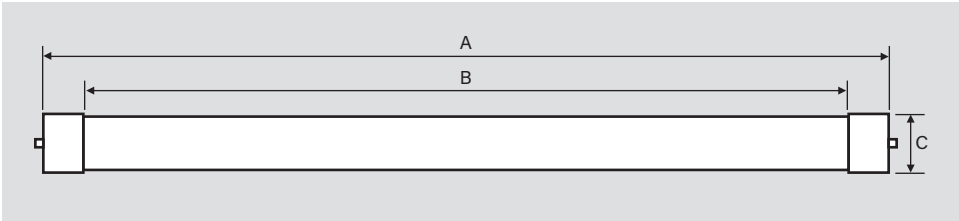
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