



DIRECT DRIVE LED

LINE VOLTAGE T8 TUBES

KT-LED9T8-48G-835-D

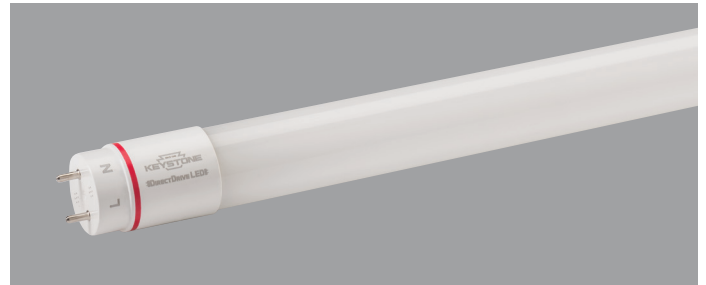
T8 LED LAMP

DESCRIPTION

9W T8 LED | 3500K | >83 CRI | High Efficiency



LAMP TYPE: Linear
BULB TYPE: T8 LED
BASE TYPE: G13 (Medium Bi-Pin)
WATTAGE: ~9W
COLOR TEMPERATURE: 3500K
COLOR RENDERING INDEX (CRI): >83
WARRANTY: 5 Years



PRODUCT FEATURES

- Replacement for conventional fluorescent lamp
- 50,000+ hour lifetime
- Approximately 50% more energy efficient than standard F32T8 lamps
- Environmentally Friendly: No mercury used
- Instant startup
- Frosted lens eliminates pixelation
- UL Verified low optical flicker
- UL Classified
- Operating temperature: -20°C/-4°F to 45°C/113°F
- Integral driver (Isolated) eliminates the need for external driver or ballast
- Approximately ~175 lumens per watt

OPERATING SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

Input Voltage	Power Consumption	Power Factor	Input Current
120-277Vac	~9.2W	>0.9	0.12A @ 120V 0.05A @ 277V

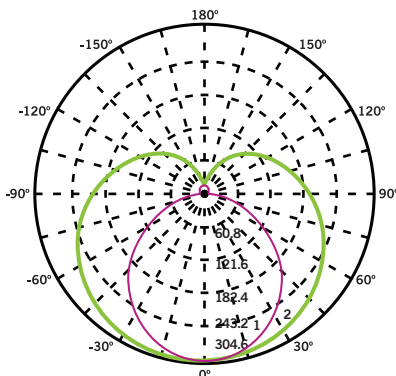
PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	3500K
Luminous Flux	1600 lm
Color Rendering Index (CRI)	>83
Efficacy	178 lm/W
Beam Angle	240°
Visible Light Area	325°

RATED LIFE

L70 (Hours)	50,000
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POLAR CANDELA DISTRIBUTION



Maximum Candela = 1248.55
 Located at Horizontal Angle = 0,
 Vertical Angle 0

1. **Violet** Vertical Plane through Horizontal Angles (90-270)
2. **Green** Vertical Plane through Horizontal Angles (0-180)



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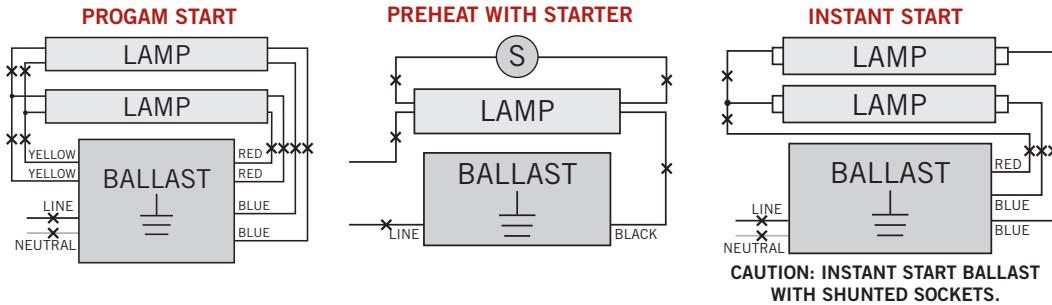
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T8 LED LAMP

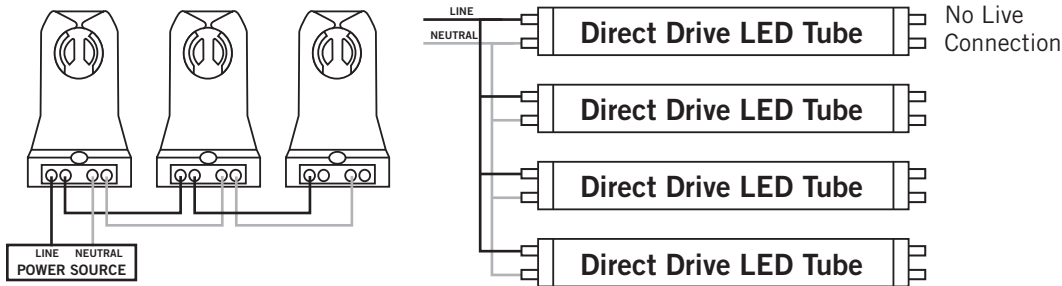
WIRING DIAGRAMS

1. Cut all existing connections to ballast as shown below and remove ballast.

Typical Ballast Configurations:



2. Re-wire fixture as shown below.



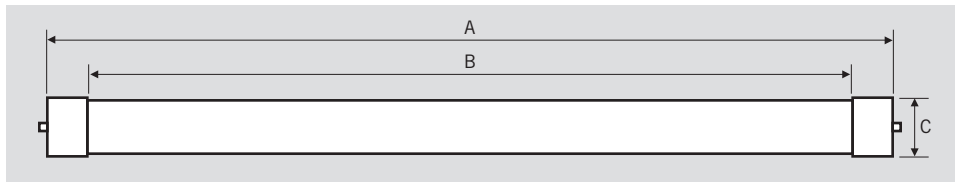
Typical Non-Shunted Lampholder

Connect wires directly to these terminals

CAUTION: Use only non-shunted lampholders.
 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.

PHYSICAL CHARACTERISTICS



LAMP DIMENSIONS

A (Body Length)	47.15"
B (Illuminated 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-LED9T8-48G-835-D-CP	Carton Pack (Egg Crate Packaging)	25	Quick Ship

CATALOG NUMBER BREAKDOWN

KT-LED9T8-48G-835-D-CP

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

- 1 Keystone Technologies
- 5 Nominal Length (Inches)
- 9 DirectDrive Series
- 2 LED Lamp
- 6 Glass
- 10 Packaging Style
- 3 Wattage
- 7 800 Series
- 4 Lamp Type
- 8 Color Temperature