



# KT-LED12T8-36G-835-DX2 /USA

## T8 LED LAMP

### DESCRIPTION

12W T8 LED | 3500K | >83 CRI | High-Efficiency | Single- or Double-ended Wiring



<b>LAMP TYPE:</b> Linear
<b>BULB TYPE:</b> T8 LED
<b>BASE TYPE:</b> G13 (Medium Bi-Pin)
<b>WATTAGE:</b> 12W
<b>COLOR TEMPERATURE:</b> 3500K
<b>COLOR RENDERING INDEX (CRI):</b> >83
<b>WARRANTY:</b> 5 Years



### PRODUCT FEATURES

- Made in USA. BAA/TAA Compliant
- Replacement for conventional fluorescent lamp
- Single- or double-ended wiring
- Frosted lens eliminates pixelation
- 50,000+ hour lifetime
- Instant startup
- Environmentally friendly: No mercury used
- Approximately 40% more energy efficient than standard F32T8 lamps
- Integral driver (isolated) eliminates the need for external driver or ballast
- 110+ lumens per watt
- Operating Temperature: -20°C/-4°F to 45°C/113°F
- UL Classified

### OPERATING SPECIFICATIONS

#### ELECTRICAL CHARACTERISTICS

Input Voltage	Power Consumption	Power Factor	Input Current
120-277Vac	12W	>0.9	0.10A @ 120V 0.043A @ 277V

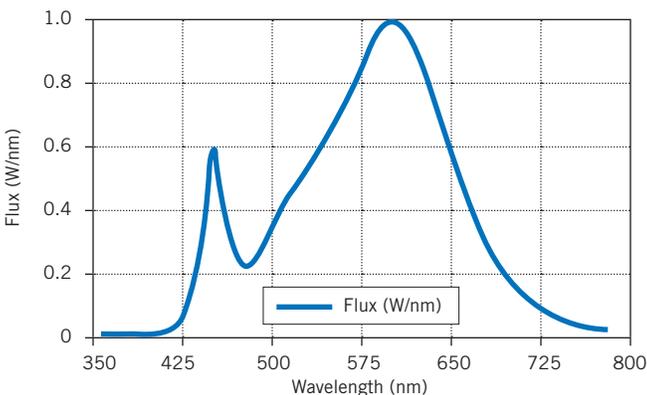
#### PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	3500K
Luminous Flux	1400 lm
Color Rendering Index (CRI)	>83
Efficacy	117 lm/W
Beam Angle	240°
Visible Light Area	325°

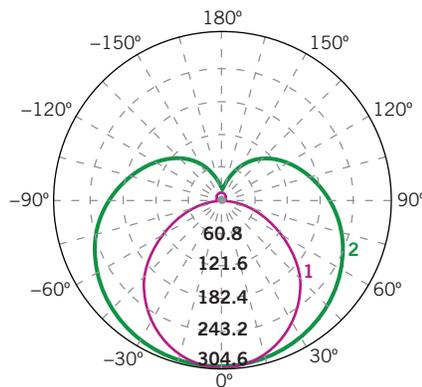
#### RATED LIFE

L70 (Hours)	50,000
-------------	--------

#### SPECTRAL DISTRIBUTION



#### POLAR CANDELA DISTRIBUTION



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

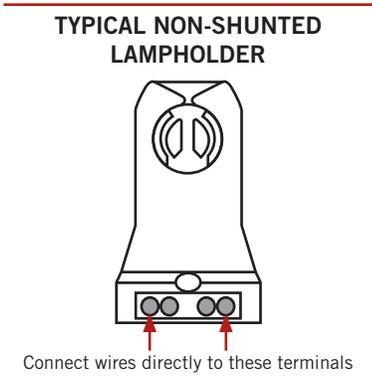
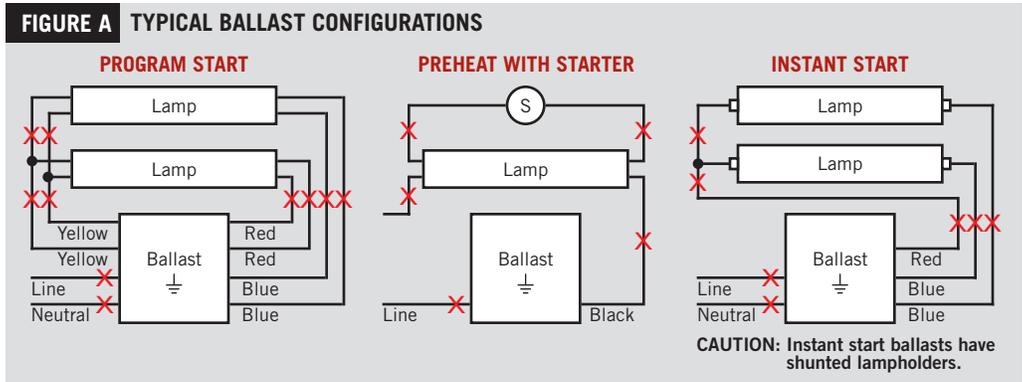
**1 Violet** Vertical plane through horizontal angles (90-270)  
**2 Green** Vertical plane through horizontal angles (0-180)



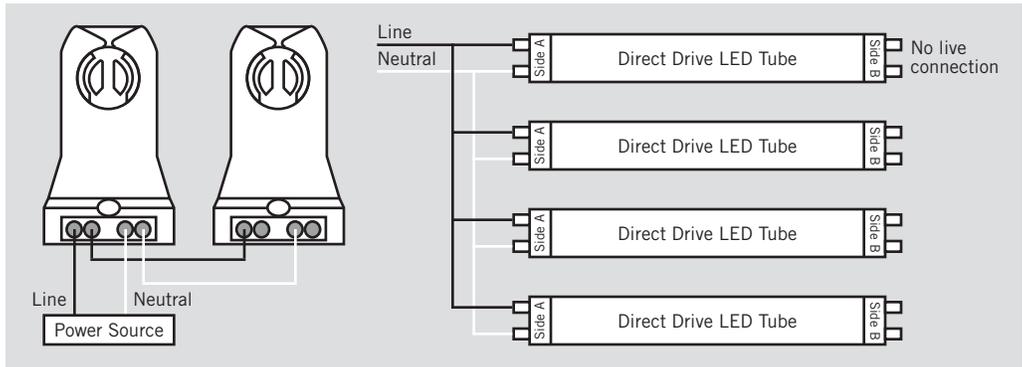
# KT-LED12T8-36G-835-DX2 /USA T8 LED LAMP

## 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.**



2. Rewire fixture as shown below.

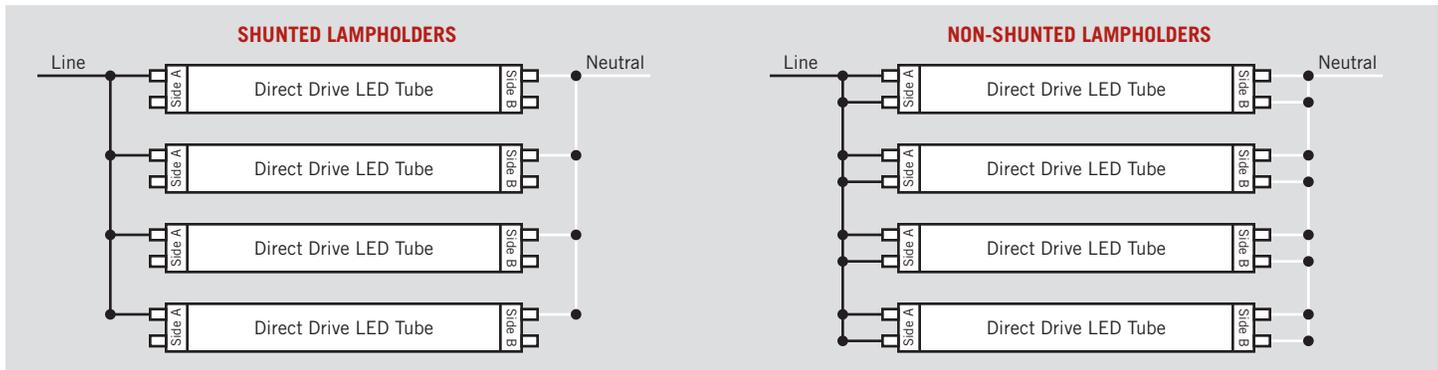


For Single-ended wiring, do not install product in a fixture with shunted lampholders (found in all fixtures using instant start ballasts). If the current lampholders are shunted, remove them and replace them with non-shunted lampholders. Make new connections directly to terminals as indicated above. 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.**

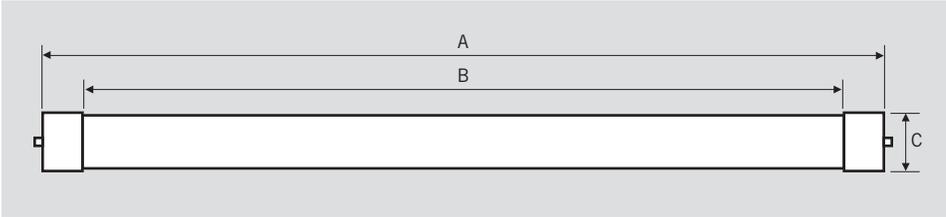




# KT-LED12T8-36G-835-DX2 /USA

## T8 LED LAMP

**PHYSICAL CHARACTERISTICS**



**LAMP DIMENSIONS**

A (Body Length)	35.41"
B (Illuminated Length)	31.81"
C (Diameter)	1.02"

**NOMINAL LENGTH:** 36"  
**BASE TYPE:** G13 (Medium Bi-Pin)

**ORDERING INFORMATION**

ORDER CODE	PACK QTY.	EASY CODE	UPC
KT-LED12T8-36G-835-DX2 /USA	25	IKZ-76	843654129365

**CATALOG NUMBER BREAKDOWN**

# KT-LED12T8-36G-835-DX2 /USA

- 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
- 7 800 Series
- 8 Color Temperature
- 9 Single- or Double-Ended Wiring
- 10 Made in the USA