



**DIRECT DRIVE D2**  
DOUBLE-ENDED LINE VOLTAGE LED TUBES

## KT-LED40T8-96G-8XX-D2

### T8 LED LAMP

#### DESCRIPTION

40W T8 LED | 3500–5000K | >80 CRI | High Efficiency | 8 Foot



**10 YEAR**  
LIMITED WARRANTY

<b>LAMP TYPE:</b> Linear
<b>BULB TYPE:</b> T8
<b>BASE TYPE:</b> Fa8 (Single-Pin)
<b>WATTAGE:</b> 40W
<b>COLOR TEMPERATURE:</b> 3500–5000K
<b>COLOR RENDERING INDEX (CRI):</b> >80
<b>WARRANTY:</b> 10 Year Limited



#### PRODUCT FEATURES

- Replacement for conventional T8/T12 8-foot, single-pin fluorescent lamp
- Double-ended line voltage wiring: Connect power to each end for simplified installation
- 50,000+ hour lifetime
- Approximately 50% more energy efficient than standard F96T12 lamps
- Environmentally friendly: No mercury used
- NSF listed: NSF/ANSI Standard 2: Food equipment, splash zone (component level—not for direct food zone without additional fixture considerations)
- Compatible with KT-EMRG-LED-12-1200-AC and KT-EMRG-LED-12-1200-AC /DF LED emergency back ups
- Includes 1 C-clips to be installed with the lamps into the fixture ballast cover to prevent any potential undesired lamp twisting or sagging
- Frosted lens eliminates pixelation
- UL classified
- Operating Temperature: (–20°C/–4°F) (45°C/113°F)
- Working Humidity: 30%-85%
- Integral driver (isolated); Eliminates the need for external driver or ballast
- 130+ lumens per Watt
- Instant startup
- DLC Listed
- Not rated for use in Vapor Tight style fixtures
- 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.

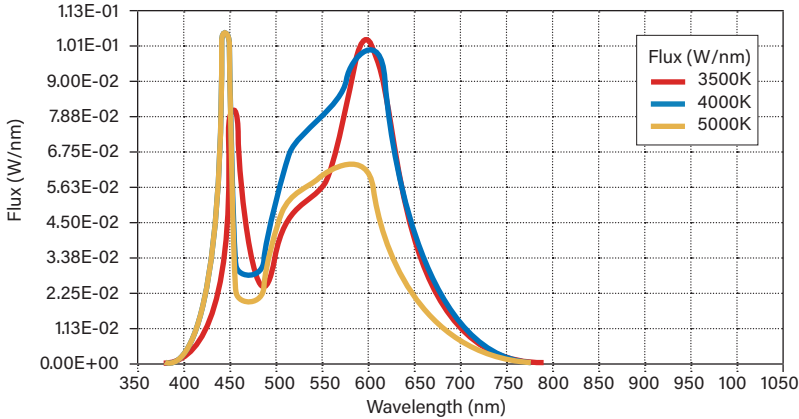
#### ELECTRICAL AND PERFORMANCE SPECIFICATIONS

Catalog Number	Input Voltage	Power Consumption	Color Temperature (CCT)	Luminous Flux	Efficacy	Beam Angle	Power Factor	Input Current	Rated Life
KT-LED40T8-96G-835-D2	120–277Vac	40W	3500K	5500 lm	136 lm/W	325°	>0.9	0.33 @ 120V 0.14 @ 277V	L70 (Hours) 50,000
KT-LED40T8-96G-840-D2			4000K						
KT-LED40T8-96G-850-D2			5000K						

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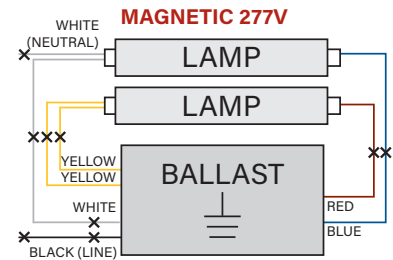
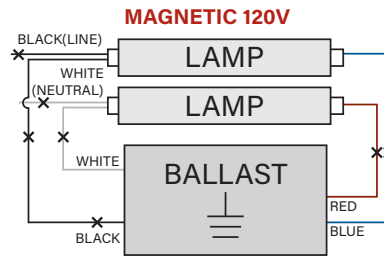
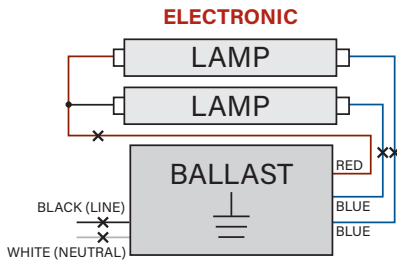
### SPECTRAL DISTRIBUTION



### WIRING DIAGRAMS

1. Identify ballast configuration as shown below and cut all wires connected to the ballast accordingly.

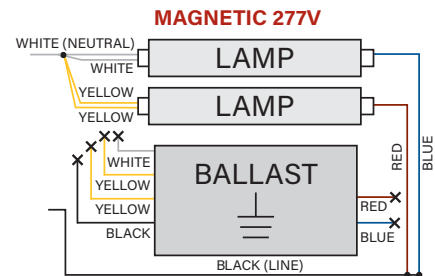
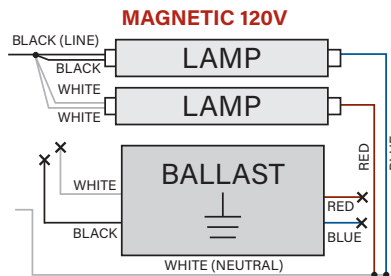
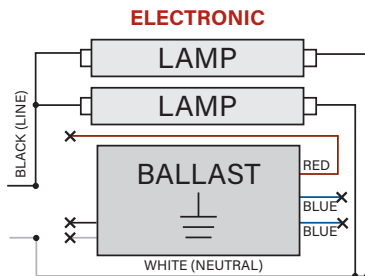
#### Typical Ballast Configurations:



2. Confirm that the lampholders in the fixture are single-pin Fa8 lampholders. These DirectDrive LED tubes require single-pin Fa8 lampholders.

3. Rewire the fixture using existing lampholders as shown below according to the original ballast wiring configuration.

#### Typical Ballast Configurations:

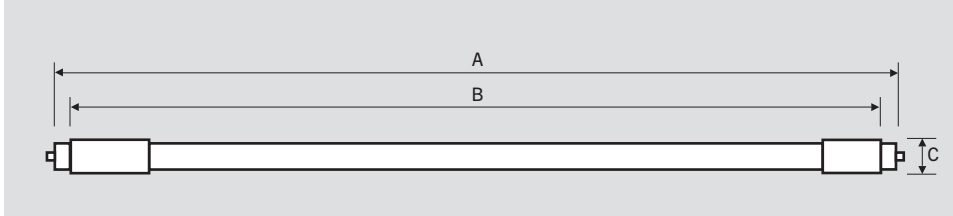




# KT-LED40T8-96G-8XX-D2

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### PHYSICAL CHARACTERISTICS



#### LAMP DIMENSIONS

A (Body Length)	93.31"
B (Illuminated Length)	87.41"
C End Cap Diameter	1.31"
D Dimension	1.08"

**NOMINAL LENGTH:** 96"

**BASE TYPE:** Fa8 (Single-Pin)

### ORDERING INFORMATION

ORDER CODE	PACK QTY.	UPC	EASY CODE	DLC PRODUCT ID
KT-LED40T8-96G-835-D2	10	843654140018	GAP-29	PLW488ISMIHX
KT-LED40T8-96G-840-D2	10	843654140025	LQA-37	PL4JB5PJ5DXW
KT-LED40T8-96G-850-D2	10	843654140032	RLU-31	PLHLFQZME6L4

### CATALOG NUMBER BREAKDOWN

# KT-LED40T8-96G-8XX-D2



- 1 Keystone Technologies
- 2 LED Lamp
- 3 Wattage
- 4 Lamp Type
- 5 Nominal Length (Inches)
- 6 Glass
- 7 80 CRI
- 8 Color Temperature
- 9 Double Drive Series