KEYSTONE SINCE 1945 LIGHT MADE EASY®

DIRECTDRIVE D2 DOUBLE-ENDED LINE VOLTAGE LED TUBES

KT-LED40T8-96GC-8XX-D2

T8 LED LAMP

10 YEAR LIMITED WARRANTY

DESCRIPTION

40W T8 LED | 4000–5000K | >80 CRI | High Efficiency | 8 Foot

- **LAMP TYPE:** Linear
- **BULB TYPE:** T8 LED
- **BASE TYPE:** Fa8 (Single-Pin)
- **WATTAGE:** 40W
- **COLOR TEMPERATURE:** 4000–5000K
- **COLOR RENDERING INDEX (CRI):** >80
- **WARRANTY:** 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
- Improved Lamp Durability with Shatterproof Coated Glass, designed to pass drop tests of 6′ on hard surface
- 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 elimates pixelation
- UL classified
- Operating Temperature: (–20ºC/–4ºF) (45ºC/113ºF)
- Working Humidity: 30%-85%
- Integral driver (isolated): Eliminates the need for external driver or ballast
- 130+ lumens per Watt
- Instant startup
- DLC Listed
- 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.
- Not for use in sealed / vapor tight fixtures

ELECTRICAL AND PEROFRMANCE SPECIFICATIONS

Catalog Number	Input Voltage	Power Consumption	Color Temperature (CCT)	Luminous Flux	Efficacy	Beam Angle	Power Factor	Input Current	Rated Life
KT-LED40T8-96GC-840-D2	120-277Vac	40W	4000K	5500 lm	138 lm/W	210º	>0.9	0.33 @ 120V 0.14 @ 277V	L70 (Hours) 50,000
KT-LED40T8-96GC-850-D2			5000K						

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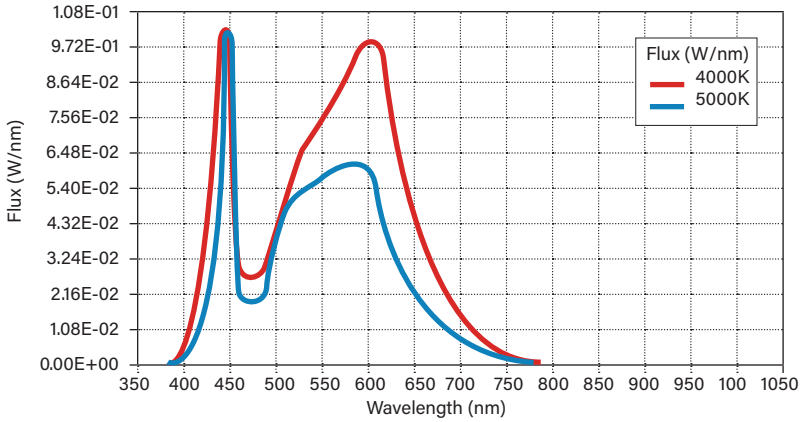
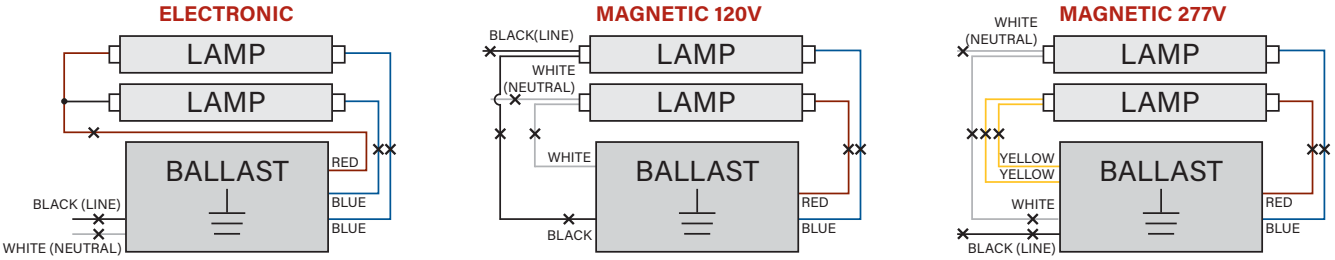
SPECTRAL DISTRIBUTION



WIRING DIAGRAMS

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

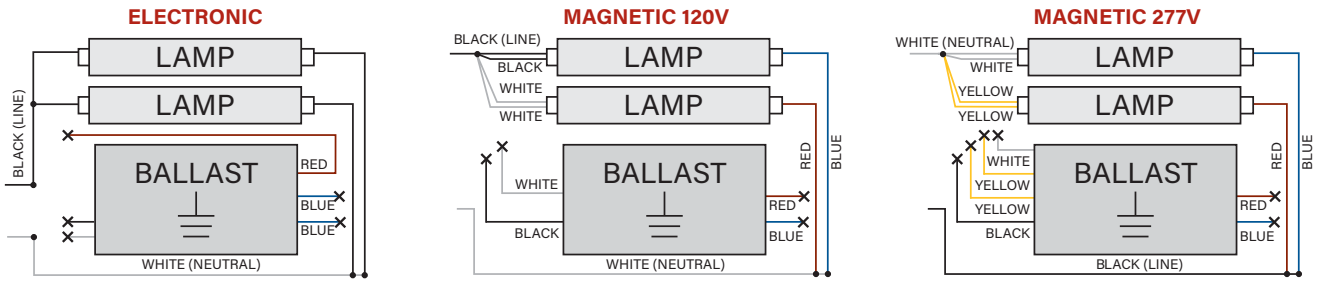
Typical Ballast Configurations:



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:



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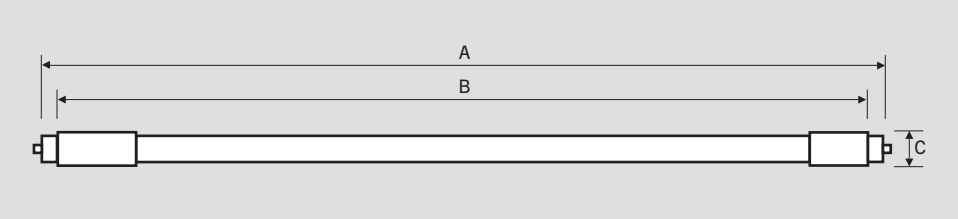
PHYSICAL CHARACTERISTICS



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-LED40T8-96GC-840-D2	10	843654140049	WGO-81	PLCX8BYDUHFO
KT-LED40T8-96GC-850-D2	10	843654140056	TRZ-74	PLRYIE319RNQ

CATALOG NUMBER BREAKDOWN

KT-LED40T8-96GC-8XX-D2

1 2 3 4 5 6 7 8 9

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