



# DIRECT DRIVE LED

LINE VOLTAGE TUBES

## KT-LED43T8-96GC-840-D

### T8 LED LAMP

### DESCRIPTION

43W T8 LED | 4000K | >80 CRI | High Efficiency | 8 Foot



<b>LAMP TYPE:</b> Linear	<b>COLOR TEMPERATURE:</b> 4000K
<b>BULB TYPE:</b> T8 LED	<b>COLOR RENDERING INDEX (CRI):</b> >80
<b>BASE TYPE:</b> Fa8 (Single-Pin)	<b>WARRANTY:</b> 5 Years
<b>WATTAGE:</b> 43W	

### 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
- Instant Startup
- Includes 2 C-clips to be installed with the lamps into the fixture ballast cover to prevent any potential un-desired lamp twisting or sagging
- Frosted Lens Eliminates Pixelation
- UL Classified
- Operating Temperature: -20°C/-4°F to 55°C/131°F
- Integral Driver (Isolated), Eliminates the Need for External Driver or Ballast
- 120+ Lumens per Watt
- Improved Lamp Durability with Shatterproof Coated Glass, designed to pass drop tests of 6' on hard surface
- NSF Listed: NSF/ANSI Standard 2 - Food Equipment, Splash Zone (Not for Direct Food Zone without additional fixture considerations)

### OPERATING SPECIFICATIONS

#### ELECTRICAL CHARACTERISTICS

Input Voltage	Power Consumption	Power Factor	Input Current
120-277Vac	43W	>0.9	0.36 @ 120V 0.16 @ 277V

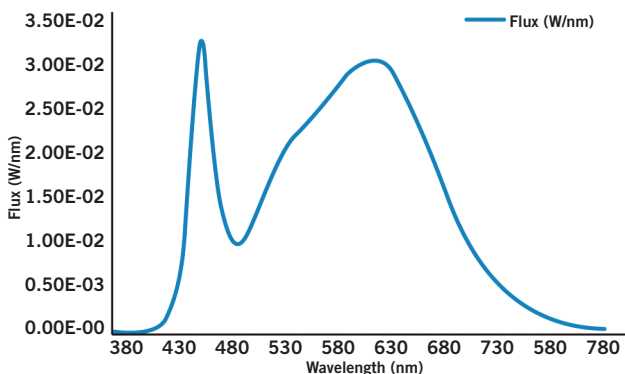
#### PHOTOMETRIC CHARACTERISTICS

Color Temperature	4000K
Luminous Flux	5500 lm
Color Rendering Index (CRI)	>80
Efficacy	128 lm/W
Beam Angle	325°

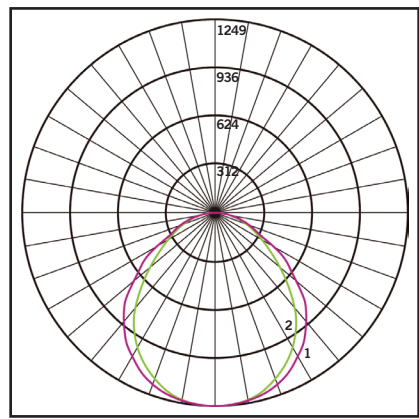
#### RATED LIFE

L70 (Hours)	50,000
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#### SPECTRAL DISTRIBUTION



#### POLAR CANDELA DISTRIBUTION



Located at Horizontal Angle = 0, Vertical Angle 0

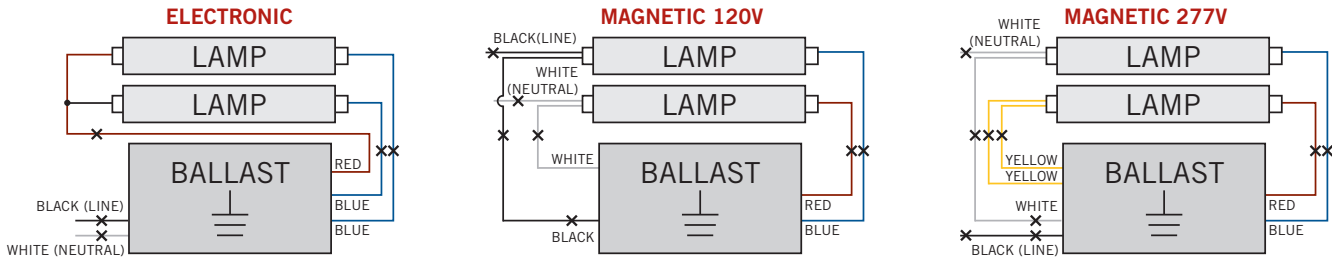
1. **Violet** Vertical Plane through Horizontal Angles (90-270)
2. **Green** Vertical Plane through Horizontal Angles (0-180)

**KT-LED43T8-96GC-840-D**  
T8 LED LAMP

**WIRING DIAGRAMS**

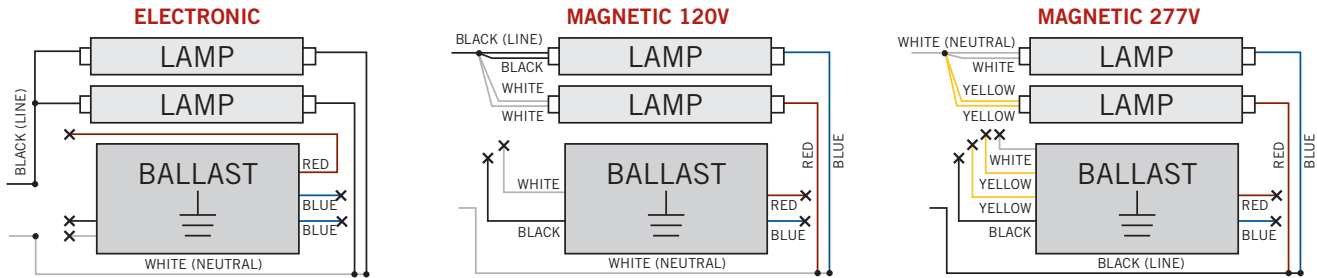
1. Identify ballast configuration as shown below and cut all wires connected to the ballast accordingly.

**Typical Ballast Configurations:**



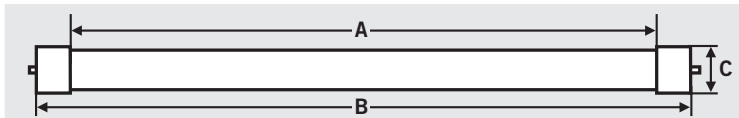
2. Confirm that the lampholders in the fixture are single-pin Fa8 lampholders. These DirectDrive LED tubes require single-pin Fa8 lampholders.
3. Rewire the fixture using existing lampholders as shown below according to the original ballast wiring configuration.

**Typical Ballast Configurations:**



**PHYSICAL CHARACTERISTICS**

**LAMP DIMENSIONS**



<b>A (Illuminated Length)</b>	91.5"
<b>B (Body Length)</b>	93.31"
<b>C (Cross Section: Width x Height)</b>	1.08" x 1.31"

**NOMINAL LENGTH: 96"    BASE TYPE: Fa8 (Single-Pin)**

**ORDERING INFORMATION**

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KT-LED43T8-96GC-840-D-CP	Distributor Pack (Individual Cartons)	10	Quick Ship



# KT-LED43T8-96GC-840-D

T8 LED LAMP

## CATALOG NUMBER BREAKDOWN

# KT-LED43T8-96GC-840-D-CP

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 Coated
- 7 800 Series
- 8 Color Temp.
- 9 Direct Drive Series
- 10 Packaging Style