



# KT-LED36T8-96P-840-D

## T8 LED LAMP

### DESCRIPTION

36W T8 LED | 4000K | >80 CRI | High Efficiency | 8 Foot



<b>LAMP TYPE:</b> Linear
<b>BULB TYPE:</b> T8 LED
<b>BASE TYPE:</b> Fa8 (Single-Pin)
<b>WATTAGE:</b> 36W
<b>COLOR TEMPERATURE:</b> 4000K
<b>COLOR RENDERING INDEX (CRI):</b> >80
<b>WARRANTY:</b> 5 Years

### 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
- 100+ Lumens per Watt
- Plastic Lens with Aluminum Backing

### OPERATING SPECIFICATIONS

#### ELECTRICAL CHARACTERISTICS

Input Voltage	Power Consumption	Power Factor	Input Current
120-277V	36W	>0.9	0.30A @ 120V 0.14A @ 277V

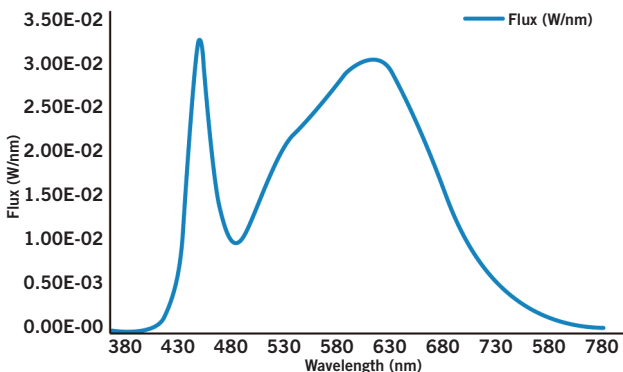
#### PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	4000K
Luminous Flux	3800 lm
Color Rendering Index (CRI)	>80
Efficacy	106 lm/W
Beam Angle	120°

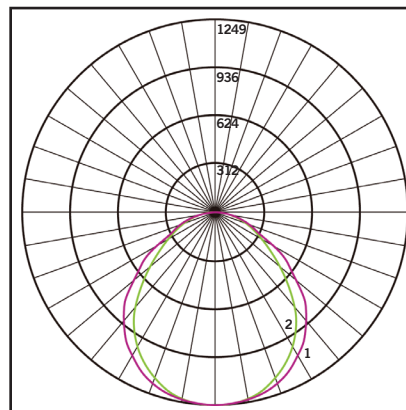
#### RATED LIFE

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)



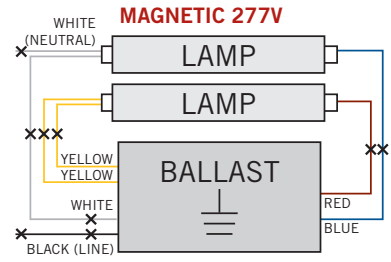
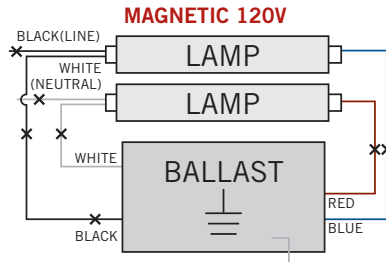
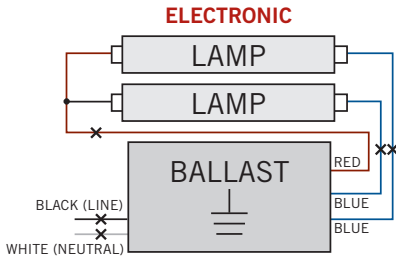
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### WIRING DIAGRAMS

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

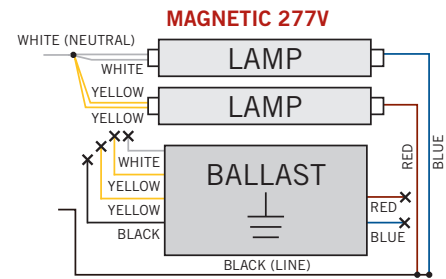
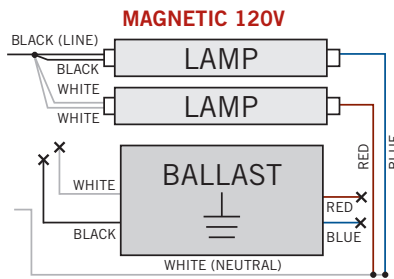
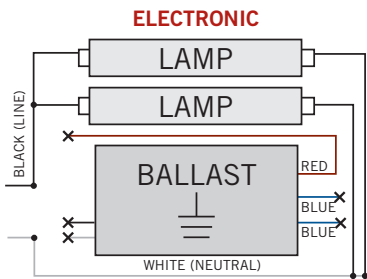
#### Typical Ballast Configurations:



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

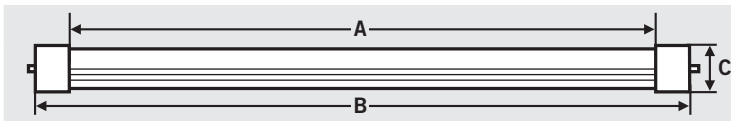
3. Rewire the fixture using existing lampholders as shown below according to the original ballast wiring configuration.

#### 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-LED36T8-96P-840-D-DP	Distributor Pack (Individual Cartons)	20	Quick Ship

### CATALOG NUMBER BREAKDOWN

# KT-LED36T8-96P-840-D-CP

