SINCE 1945 KEYSTONE | DIRECTDRIVE LED
LINE VOLTAGE T8 TUBES

# KT-LED36T8-96P-850-D

## T8 LED LAMP

## DESCRIPTION

36W T8 LED | 5000K | >80 CRI | High Efficiency | 8 Foot

RoHS Compliant | 5 YEAR WARRANTY

- **LAMP TYPE:** Linear
- **BULB TYPE:** T8 LED
- **BASE TYPE:** Fa8 (Single-Pin)
- **WATTAGE:** 36W
- **COLOR TEMPERATURE:** 5000K
- **COLOR RENDERING INDEX (CRI):** >80
- **WARRANTY:** 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 then 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 Elimates Pixelation
- UL Classified
- Operating Temperature: -20ºC/-4ºF to 55ºC/131ºF
- 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 |
|---|---|---|---|
| 120-277Vac | 36W | >0.9 | 0.30A @ 120V<br>0.14A @ 277V |

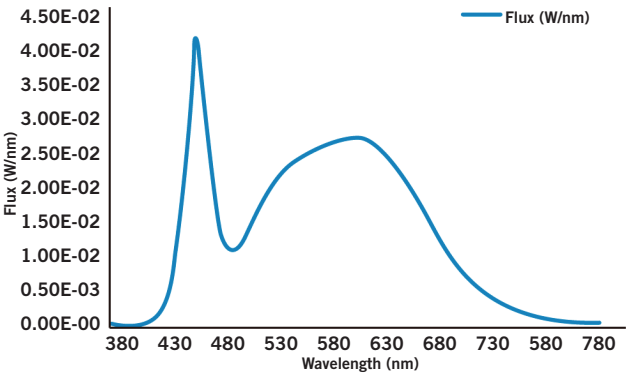
### PHOTOMETRIC CHARACTERISTICS

| | |
|---|---|
| **Color Temperature (CCT)** | 5000K |
| **Luminous Flux** | 4000 lm |
| **Color Rendering Index (CRI)** | >80 |
| **Efficacy** | 111 lm/W |
| **Beam Angle** | 120º |

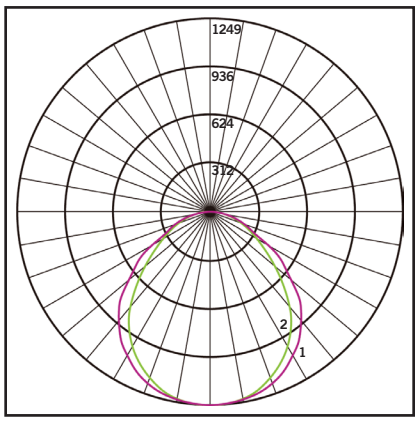
### RATED LIFE

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

### 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)

**Keystone Technologies** • 1390 Welsh Road, North Wales, PA 19454 • Phone (800) 464-2680 • Fax (888) 966-0556 • **www.keystonelamp.com**

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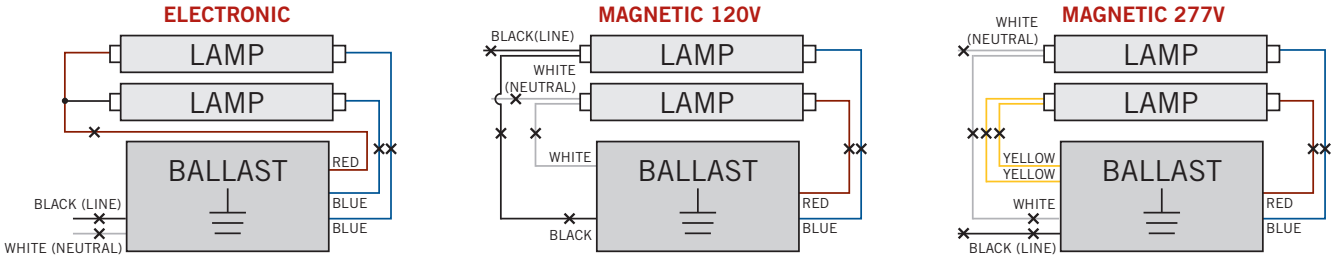
## WIRING DIAGRAMS

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.

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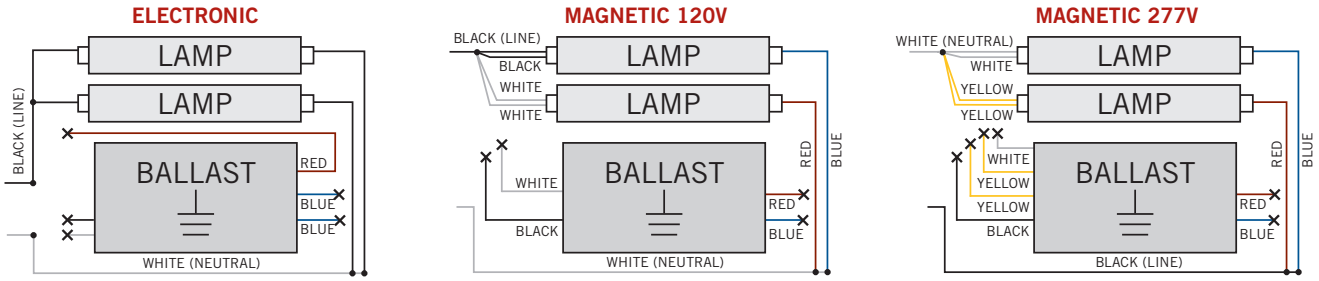
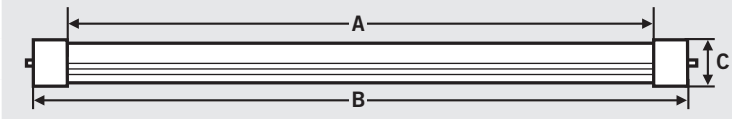



## PHYSICAL CHARACTERISTICS

### LAMP DIMENSIONS




| | |
|---|---|
| **A (Illuminated Length)** | 91.5” |
| **B (Body Length)** | 93.31” |
| **C (Cross Section: Width x Height)** | 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-850-D-DP | Distributor Pack (Individual Cartons) | 20 | Quick Ship |

## CATALOG NUMBER BREAKDOWN

**KT-LED36T8-96P-850-D-CP**

| Keystone Technologies | LED Lamp | Wattage | Lamp Type | Nominal Length (Inches) | Plastic/ Alum. Case | 800 Series | Color Temp. | Direct Drive Series | Packaging Style |
|---|---|---|---|---|---|---|---|---|---|

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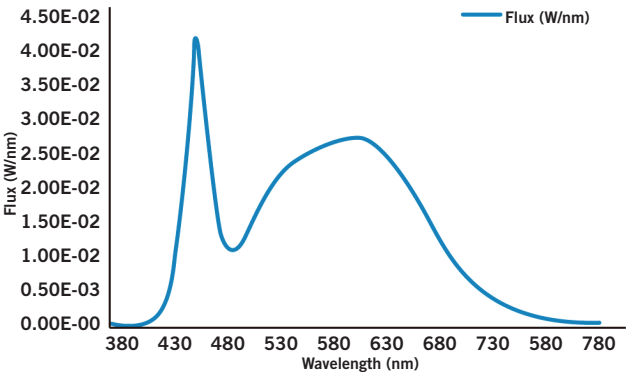


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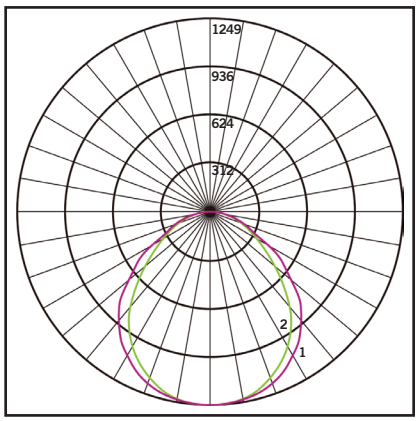


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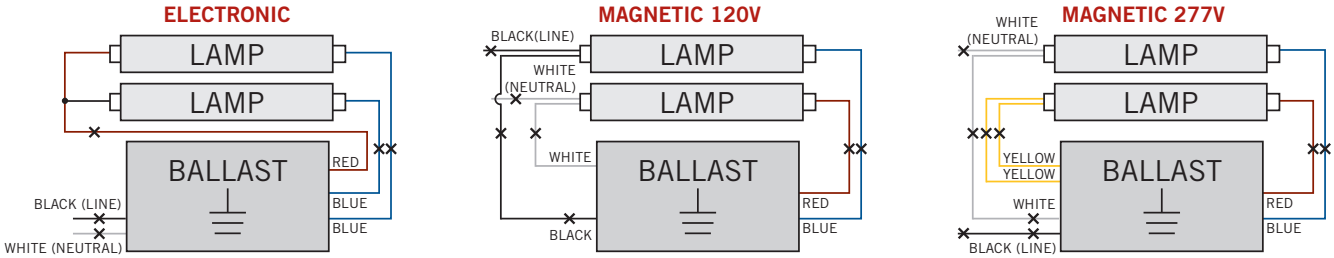


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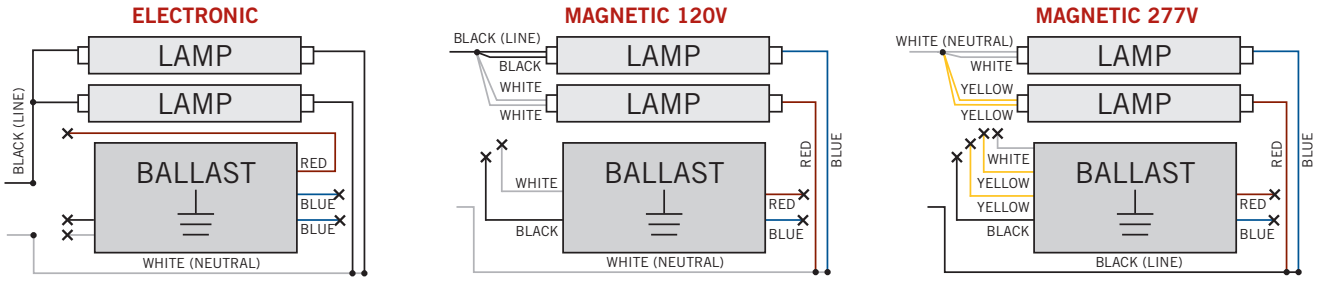


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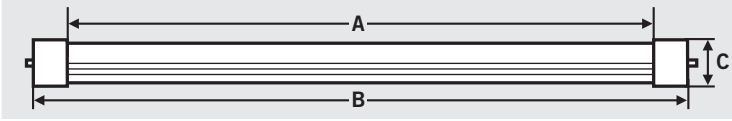


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