



# KT-LED36T8-96P-840-D

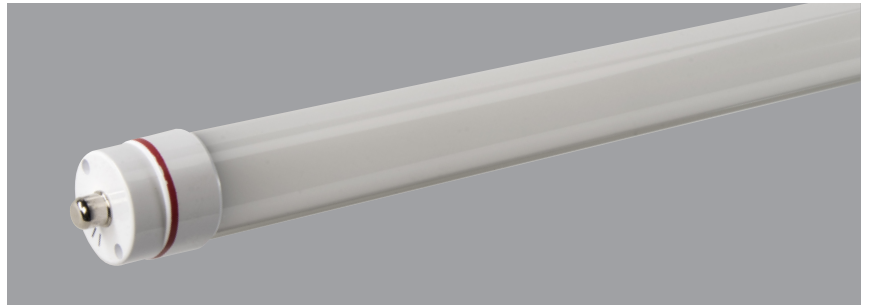
## T8 LED LAMP

### 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
- 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 undesired 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
- 50,000+ hour lifetime
- 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 |

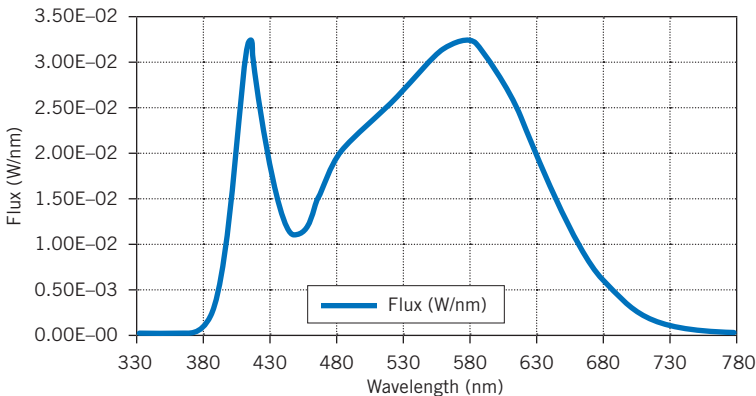
#### PHOTOMETRIC CHARACTERISTICS

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

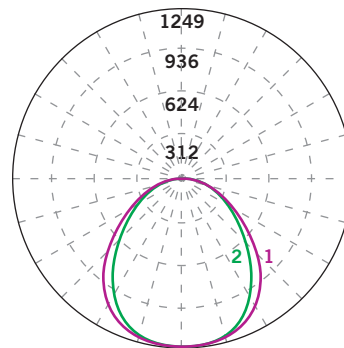
#### RATED LIFE

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

#### SPECTRAL DISTRIBUTION



#### POLAR CANDELA DISTRIBUTION



Located at:  
Horizontal Angle = 0  
Vertical Angle = 0

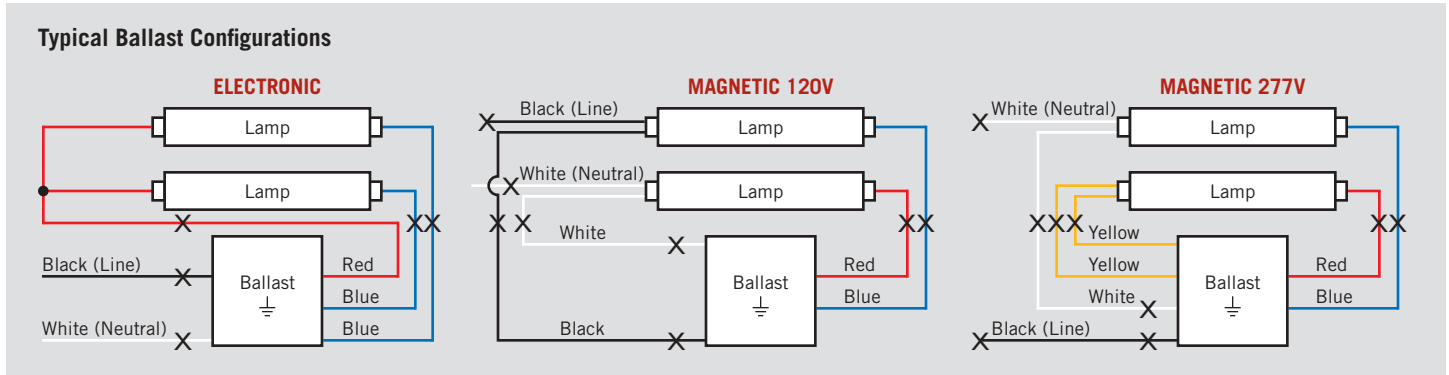
1 Violet Vertical Plane through Horizontal Angles (90-270)  
2 Green Vertical Plane through Horizontal Angles (0-180)

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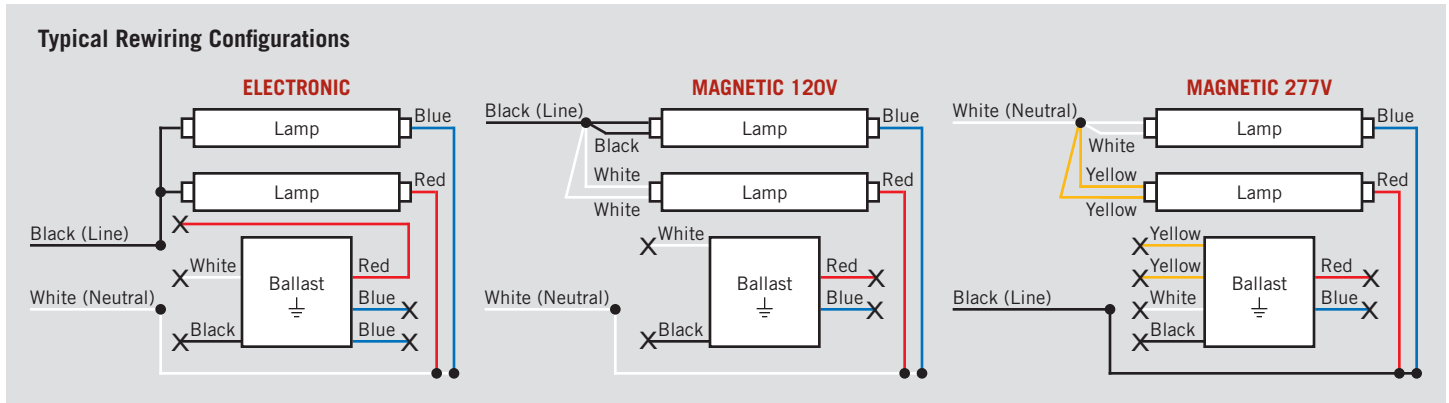
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### WIRING INSTRUCTIONS

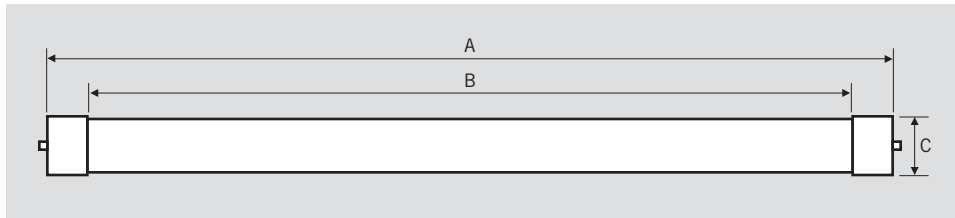
1. Identify ballast configuration as shown below and cut all wires connected to the ballast accordingly.



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.



### PHYSICAL CHARACTERISTICS



#### LAMP DIMENSIONS

|  |               |
|--|---------------|
| <b>A (Body Length)</b>                   | 93.31"        |
| <b>B (Illuminated Length)</b>            | 91.50"        |
| <b>C (Cross-section: Width x Height)</b> | 1.08" x 1.31" |

**NOMINAL LENGTH:** 96"

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



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## 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-DP

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 Plastic/Aluminum Case
- 7 800 Series
- 8 Color Temperature
- 9 Direct Drive Series
- 10 Packaging Style