



1 DIRECT DRIVE LED
LINE VOLTAGE T8 TUBES

KT-LED36T8-96P-850-D

T8 LED LAMP

DESCRIPTION

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



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 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 |
|---------------|-------------------|--------------|------------------------------|
| 120-277Vac | 36W | >0.9 | 0.30A @ 120V 0.14A @ 277V |

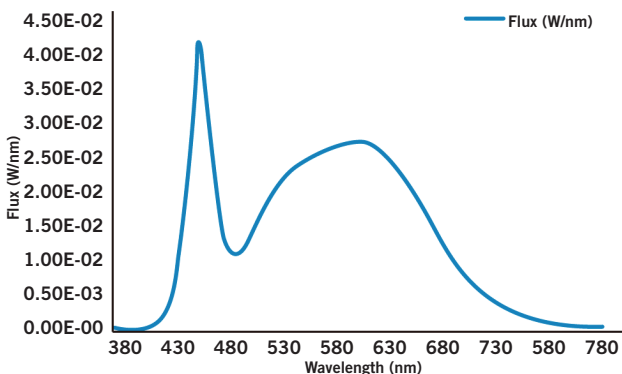
PHOTOMETRIC CHARACTERISTICS

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

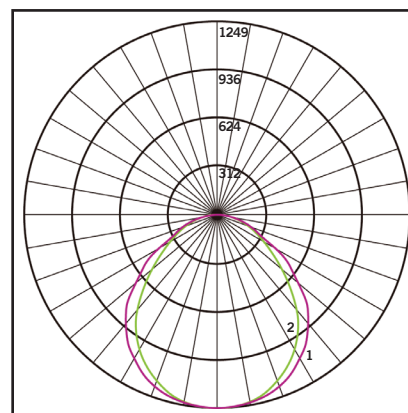
RATED LIFE

| | |
|-------------|--------|
| 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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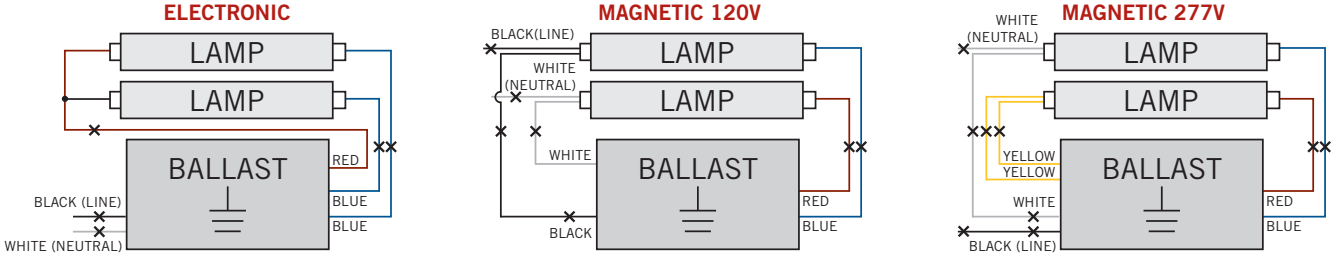
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T8 LED LAMP

WIRING DIAGRAMS

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

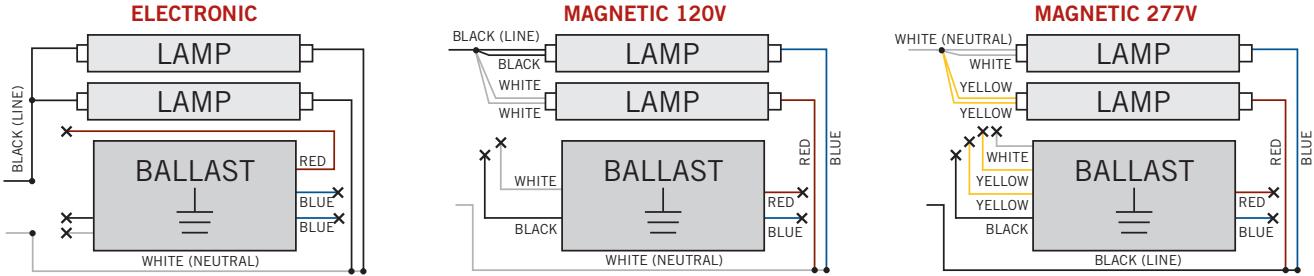
Typical Ballast Configurations:



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

| | | |
|--|-----------------------------------|---------------|
| | 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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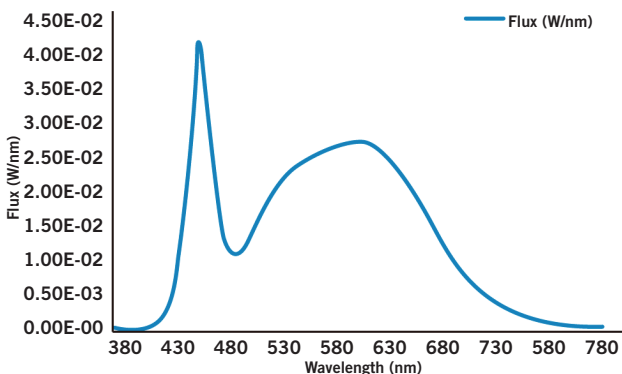
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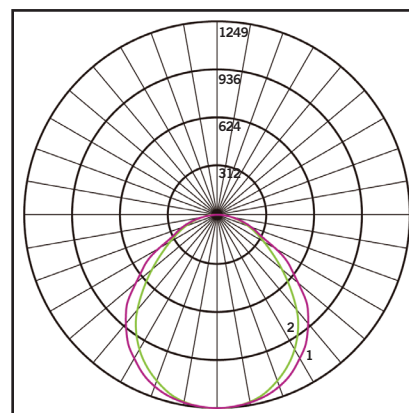
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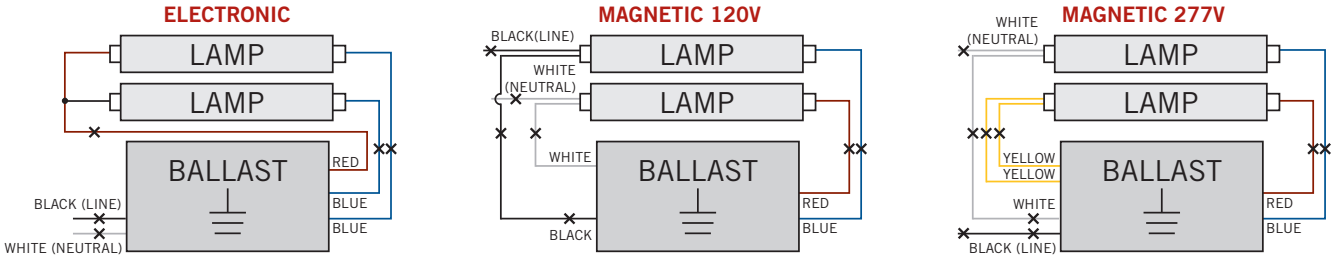
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T8 LED LAMP

WIRING DIAGRAMS

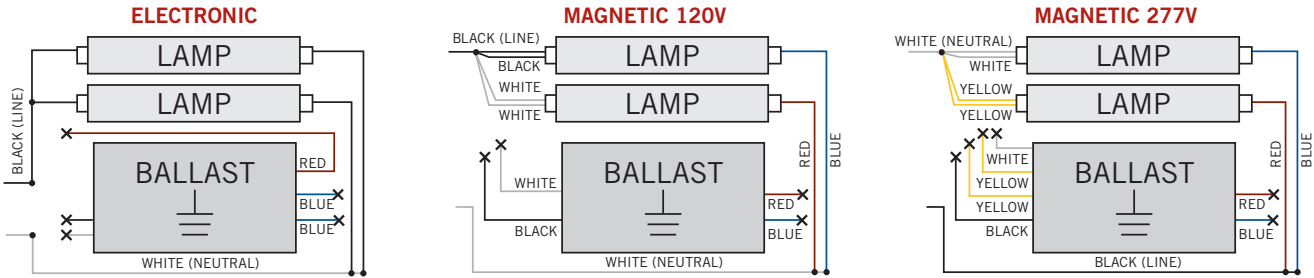
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CATALOG NUMBER BREAKDOWN

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|-------------------------|----------|---------|-----------|----------------------------------|------------|------------|-------------|---------------------|
| KT-LED36T8-96P-850-D-CP | | | | | | | | |
| Keystone Technologies | LED Lamp | Wattage | Lamp Type | Nominal Plastic/ Length (Inches) | Alum. Case | 800 Series | Color Temp. | Direct Drive Series |
| | | | | | | | | Packaging Style |