



KT-LED54T8-96P-840-D/G2

T8 LED LAMP

DESCRIPTION

54W T8 LED | 4000K | >80 CRI | High Efficiency | 8 Foot



| | |
|---|---|
| LAMP TYPE: Linear | WATTAGE: 54W |
| BULB TYPE: T8 LED | COLOR TEMPERATURE: 4000K |
| BASE TYPE: R17d (Double Recessed Contact) | COLOR RENDERING INDEX (CRI): >80 |
| WARRANTY: 5 Years | |



PRODUCT FEATURES

- Rotating End Cap Ensures Lamp can be installed properly in existing fixtures, regardless of socket orientation
- Replacement for Conventional T8/T12HO 8 Foot Double Recessed Contact 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 F96T12HO 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, Eliminates the Need for External Driver or Ballast
- 100+ Lumens per Watt
- Dry & Damp Location Rated
- Plastic Lens with Aluminum Backing

OPERATING SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

| Input Voltage | Power Consumption | Power Factor | Input Current |
|---------------|-------------------|--------------|------------------------------|
| 120-277Vac | 54W | >0.9 | 0.50A @ 120V 0.21A @ 277V |

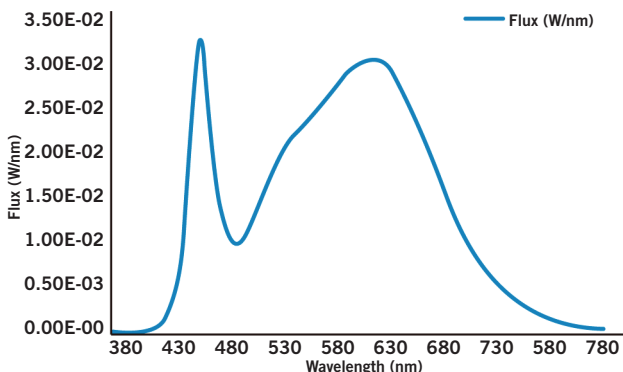
PHOTOMETRIC CHARACTERISTICS

| | |
|-----------------------------|----------|
| Color Temperature (CCT) | 4000K |
| Luminous Flux | 5800 lm |
| Color Rendering Index (CRI) | >80 |
| Efficacy | 107 lm/W |
| Beam Angle | 120° |

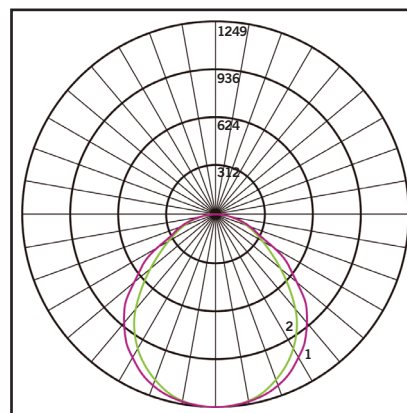
RATED LIFE

| | |
|-------------|--------|
| 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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WIRING DIAGRAMS

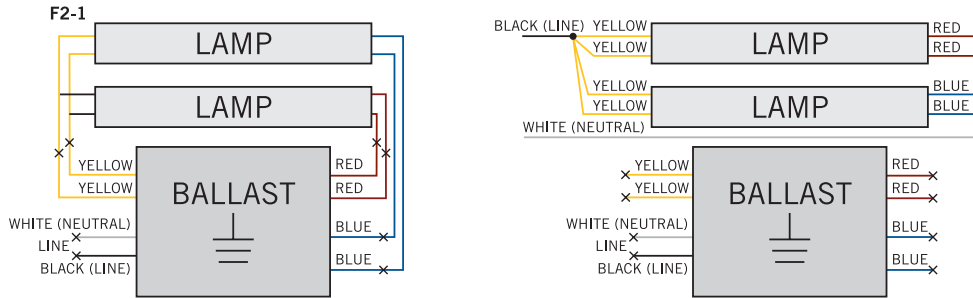
Double Ended Line Voltage Wiring



For Retrofit Applications (see below notes)

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

Typical Ballast Configurations:

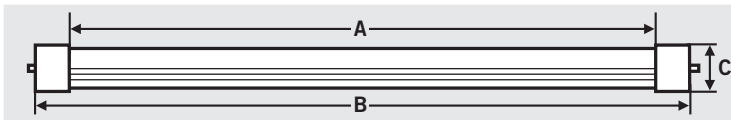


2. Confirm that the lampholders in the fixture are R17d Double Recessed Contact lampholders. These DirectDrive LED tubes require R17d Double Recessed Contact lampholders.

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

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:** R17d (Double Recessed Contact)

ORDERING INFORMATION

| ORDER CODE | PACKAGING STYLE | PACK QTY. | ITEM STATUS |
|-------------------------|---------------------------------------|-----------|-------------|
| KT-LED54T8-96P-840-D-DP | Distributor Pack (Individual Cartons) | 20 | Quick Ship |

CATALOG NUMBER BREAKDOWN

KT-LED54T8-96P-840-D/G2-CP

