SINCE 1945 KEYSTONE LIGHT MADE EASY®

DIRECTDRIVE D2
DOUBLE-ENDED LINE VOLTAGE LED TUBES

POWER SELECT
COLOR SELECT

# KT-LED40PST8-96GC-8CSJ-D2

## T8 LED LAMP

## DESCRIPTION

T8 LED | 8 ft | Power Select | Color Select | 120-277V Input | 80+ CRI | High Efficiency | FA8 (Single Pin) or R17d Base Type

10 YEAR LIMITED WARRANTY

- **LAMP TYPE:** Linear
- **BULB TYPE:** T8
- **BASE TYPE:** Interchangeable Fa8 (Single Pin) and R17d
- **WATTAGE:** 24/32/40W Power Selectable
- **COLOR TEMPERATURE:** 30/35/40/50/6500K Selectable
- **COLOR RENDERING INDEX (CRI):** >80
- **WARRANTY:** 10 Year Limited



## PRODUCT FEATURES

- Keystone Power Select technology (see Performance Specifications for details)
- Keystone Color Select technology (30/35/40/50/6500K)
- Includes Both Fa8 (Single-Pin) and R17d Base Types
- 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
- NSF listed: NSF/ANSI Standard 2: Food equipment, splash zone (component level—not for direct food zone without additional fixture considerations)
- Compatible with KT-EMRG-LED-12-1200-AC and KT-EMRG-LED-12-1200-AC /DF LED emergency back ups
- Includes Support Clip to be installed with the lamps to prevent any lamp sagging or twisting
- Frosted Lens Eliminates Pixelation
- Integral Driver (Isolated): Eliminates the need for external driver or ballast
- 130+ Lumens per Watt
- Instant Startup
- Lamp is dimmable when used with an appropriate dimming accessory (purchased separately). Contact Keystone for more details to find out what is best for the intended application.
- Not for use in sealed / vapor tight fixtures

## ELECTRICAL AND PERFORMANCE SPECIFICATIONS

| Catalog Number | Selectable Wattage | Selectable CCT | Lumens | Efficacy | Input Voltage | Input Current | Beam Angle | Power Factor | CRI | Rated Life |
|---|---|---|---|---|---|---|---|---|---|---|
| KT-LED40PST8-96GC-8CSJ-D2 | 40W | 3000K | 5,200 | 130 lm/W | 120–277Vac | 0.33 @ 120V<br>0.14 @ 277V | 210° | >0.9 | >80 | L70 (Hours)<br>50,000 |
| | | 3500K | 5,200 | 130 lm/W | | | | | | |
| | | 4000K | 5,500 | 138 lm/W | | | | | | |
| | | 5000K | 5,500 | 138 lm/W | | | | | | |
| | | 6500K | 5,500 | 138 lm/W | | | | | | |
| | 32W | 3000K | 4,200 | 131 lm/W | | 0.27 @ 120V<br>0.12 @ 277V | | | | |
| | | 3500K | 4,200 | 131 lm/W | | | | | | |
| | | 4000K | 4,400 | 138 lm/W | | | | | | |
| | | 5000K | 4,400 | 138 lm/W | | | | | | |
| | | 6500K | 4,400 | 138 lm/W | | | | | | |
| | 24W | 3000K | 3,300 | 138 lm/W | | 0.20 @ 120V<br>0.09 @ 277V | | | | |
| | | 3500K | 3,300 | 138 lm/W | | | | | | |
| | | 4000K | 3,500 | 146 lm/W | | | | | | |
| | | 5000K | 3,500 | 146 lm/W | | | | | | |
| | | 6500K | 3,500 | 146 lm/W | | | | | | |

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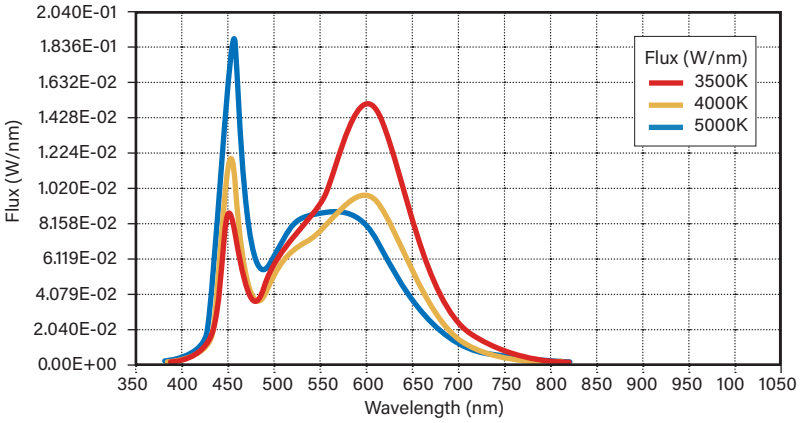
COLOR SELECT

# KT-LED40PST8-96GC-8CSJ-D2

T8 LED LAMP

## PHOTOMETRIC SPECIFICATIONS

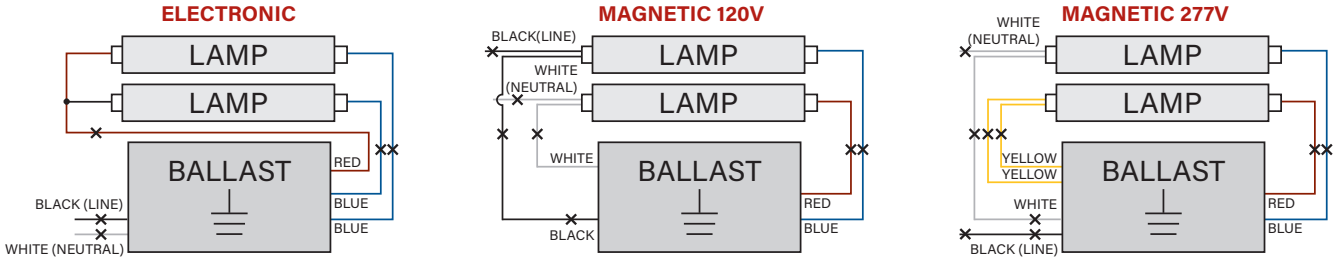
### SPECTRAL DISTRIBUTION




## WIRING DIAGRAMS

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

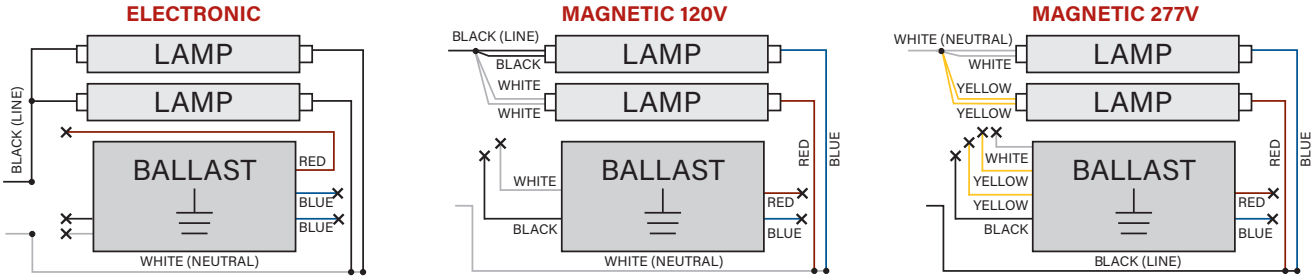
**Typical Ballast Configurations:**




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:**



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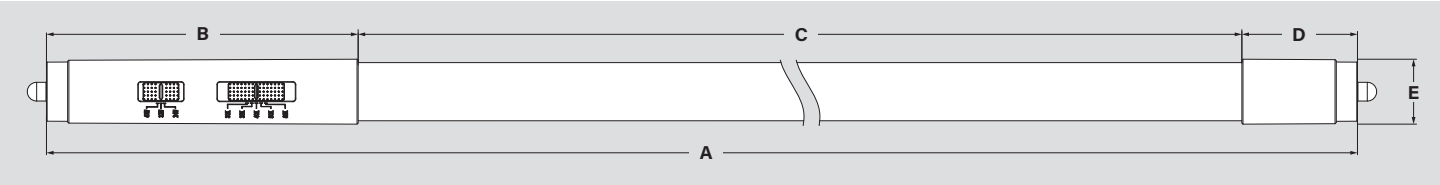
# KT-LED40PST8-96GC-8CSJ-D2

## T8 LED LAMP

## ENVIRONMENTAL SPECIFICATIONS

| | |
|---|---|
| **UL Location Rating** | Damp |
| **Operating Temperature** | -20°C/-4°F to 45°C/113°F |
| **Storage Temperature** | -40°C/-40°F to 70°C/158°F |
| **Enclosure Rating** | Not suitable for totally enclosed fixtures |

## PHYSICAL SPECIFICATIONS




### T8 LED LAMP

| | |
|---|---|
| **A (Body Length)** | 93.20" |
| **B (Control End Cap Length)** | 5.20" |
| **C (Illuminated Length)** | 86.07" |
| **D (End Cap Length)** | 1.93" |
| **E (End Cap Diameter)** | 1.08" |

**NOMINAL LENGTH:** 96"
**BASE TYPE:** FA8 (Single Pin) or HO/R17d

## ORDERING INFORMATION

| ORDER CODE | PACK QTY. | UPC | EASY CODE | DLC PRODUCT ID |
|---|---|---|---|---|
| KT-LED40PST8-96GC-8CSJ-D2 | 10 | 843654163000 | CTH-21 | S-NPQPKD |

## CATALOG NUMBER BREAKDOWN

# KT-LED40PST8-96GC-8CSJ-D2

1 2 3 4 5 6 7 8 9 10 11

1 **Keystone Technologies**
2 **LED Lamp**
3 **Nominal Wattage**
4 **Power Select**
5 **Lamp Type**
6 **Nominal Length (Inches)**
7 **Coated Glass**
8 **CRI**
9 **Color Select**
10 **Color Select Designation**
11 **Double Ended Wiring**

**8 CRI**

| | |
|---|---|
| 8 | >80 |

**10 COLOR SELECT DESIGNATION**

| | |
|---|---|
| J | 3000/3500/4000/5000/6500K |