



**DIRECT DRIVE LED**  
LINE VOLTAGE T8 TUBES

# KT-LED12T8-36GC-840-D

## T8 LED LAMP

### DESCRIPTION

12W T8 LED | 4000K | >83 CRI | High Efficiency



**LAMP TYPE:** Linear

**BULB TYPE:** T8 LED

**BASE TYPE:** G13 (Medium Bi-Pin)

**WATTAGE:** 12W

**COLOR TEMPERATURE:** 4000K

**COLOR RENDERING INDEX (CRI):** >83

**WARRANTY:** 5 Years



### PRODUCT FEATURES

- Replacement for Conventional Fluorescent Lamp
- 50,000+ Hour Lifetime
- Environmentally Friendly: No Mercury Used
- Instant Startup
- Frosted Lens Eliminates Pixelation
- UL Classified
- Operating Temperature: -20°C/-4°F to 45°C/113°F
- Integral Driver (Isolated), Eliminates the Need for External Driver or Ballast
- 100+ Lumens per Watt
- Improved Lamp Durability with Shatterproof Coated Glass

### OPERATING SPECIFICATIONS

#### ELECTRICAL CHARACTERISTICS

| Input Voltage | Power Consumption | Power Factor | Input Current                  |
|---------------|-------------------|--------------|--------------------------------|
| 120-277Vac    | 12W               | >0.9         | 0.108A @ 120V<br>0.043A @ 277V |

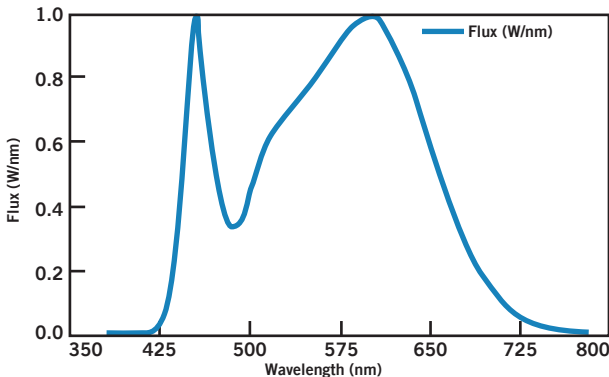
#### PHOTOMETRIC CHARACTERISTICS

|                             |          |
|-----------------------------|----------|
| Color Temperature (CCT)     | 4000K    |
| Luminous Flux               | 1250 lm  |
| Color Rendering Index (CRI) | >83      |
| Efficacy                    | 104 lm/W |
| Beam Angle                  | 240°     |
| Visible Light Area          | 325°     |

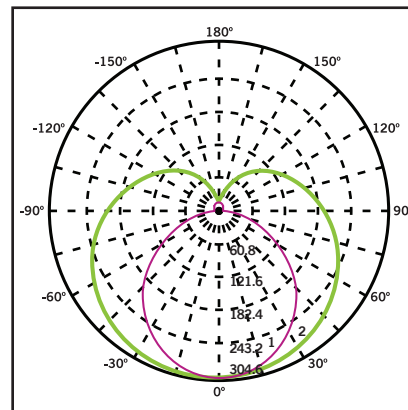
#### RATED LIFE

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

#### SPECTRAL DISTRIBUTION



#### POLAR CANDELA DISTRIBUTION



Maximum Candela = 1248.55  
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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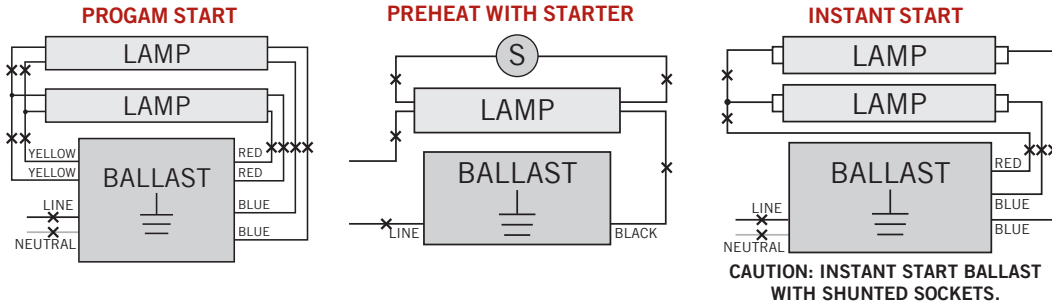
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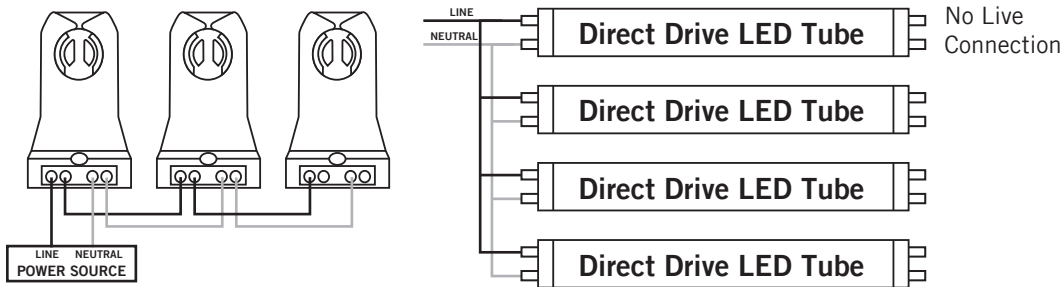
### WIRING DIAGRAMS

1. Cut all existing connections to ballast as shown below and remove ballast.

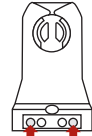
#### Typical Ballast Configurations:



2. Re-wire fixture as shown below.



#### Typical Non-Shunted Lampholder



Connect wires directly to these terminals

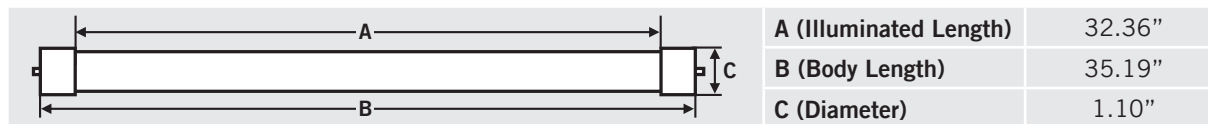
#### CAUTION: Use only non-shunted lampholders.

Do not install product in a fixture with shunted lampholders (found in all fixtures using instant start ballasts). If the current lampholders are shunted, remove them and replace them with non-shunted lampholders. Make new connections directly to terminals as indicated above.

Keystone can provide any style replacement lampholders. Call us at 800-464-2680.

### PHYSICAL CHARACTERISTICS

#### LAMP DIMENSIONS



NOMINAL LENGTH: 36" BASE TYPE: G13 (Medium Bi-Pin)

### ORDERING INFORMATION

| ORDER CODE               | PACKAGING STYLE                       | PACK QTY. | ITEM STATUS |
|--------------------------|---------------------------------------|-----------|-------------|
| KT-LED12T8-36GC-840-D-CP | Carton Pack (Egg Crate Packaging)     | 25        | Quick Ship  |
| KT-LED12T8-36GC-840-D-DP | Distributor Pack (Individual Cartons) | 12        | Quick Ship  |

### CATALOG NUMBER BREAKDOWN

# KT-LED12T8-36GC-840-D-CP

|                       |          |         |           |                         |                            |            |             |                     |                 |
|-----------------------|----------|---------|-----------|-------------------------|----------------------------|------------|-------------|---------------------|-----------------|
| Keystone Technologies | LED Lamp | Wattage | Lamp Type | Nominal Length (Inches) | Shatter-Proof Coated Glass | 800 Series | Color Temp. | Direct Drive Series | Packaging Style |
|-----------------------|----------|---------|-----------|-------------------------|----------------------------|------------|-------------|---------------------|-----------------|



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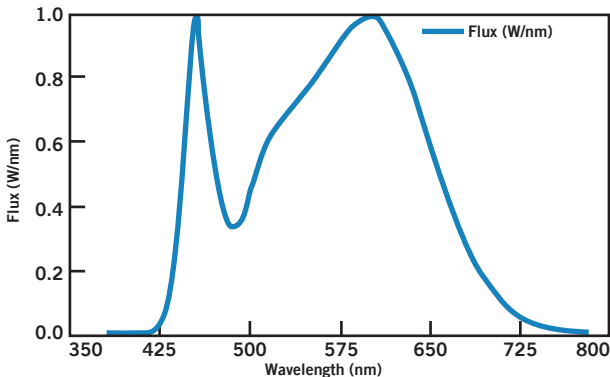
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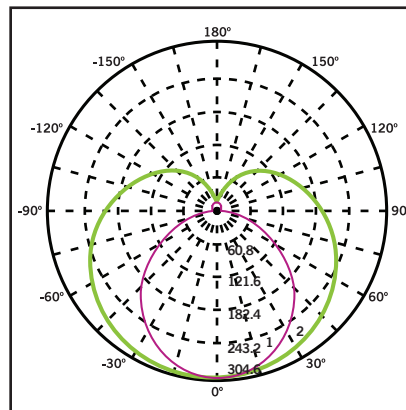
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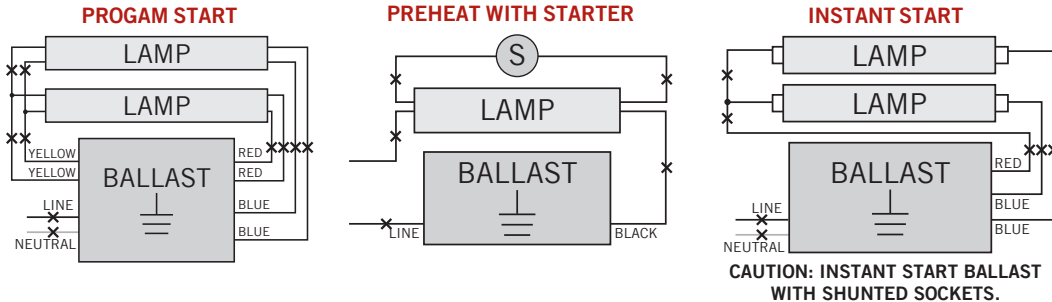
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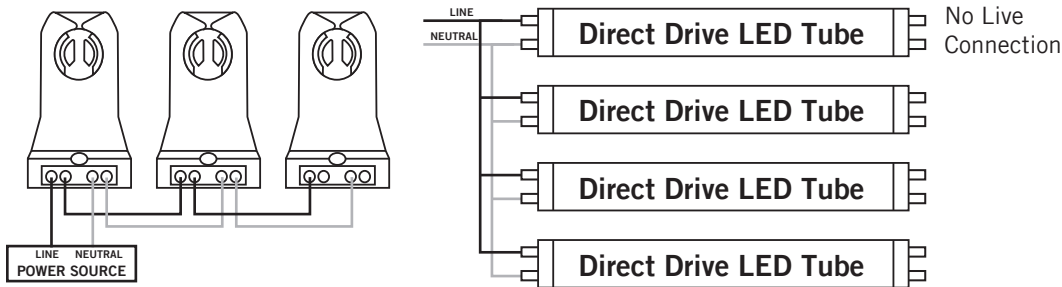
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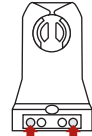
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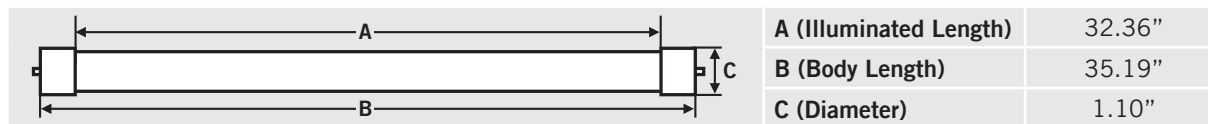
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