



# KT-LED12T8-36GC-865-D

## T8 LED LAMP

### DESCRIPTION

12W T8 LED | 6500K | >83 CRI | High Efficiency



|   |
|---|
| <b>LAMP TYPE:</b> Linear                |
| <b>BULB TYPE:</b> T8 LED                |
| <b>BASE TYPE:</b> G13 (Medium Bi-Pin)   |
| <b>WATTAGE:</b> 12W                     |
| <b>COLOR TEMPERATURE:</b> 6500K         |
| <b>COLOR RENDERING INDEX (CRI):</b> >83 |
| <b>WARRANTY:</b> 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 |

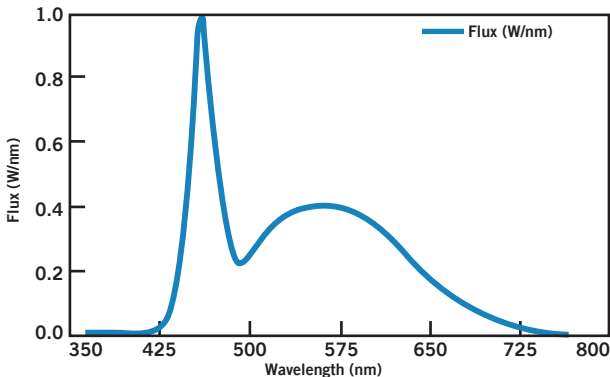
#### PHOTOMETRIC CHARACTERISTICS

|                             |          |
|-----------------------------|----------|
| Color Temperature (CCT)     | 6500K    |
| Luminous Flux               | 1300 lm  |
| Color Rendering Index (CRI) | >83      |
| Efficacy                    | 108 lm/W |
| Beam Angle                  | 240°     |
| Visible Light Area          | 325°     |

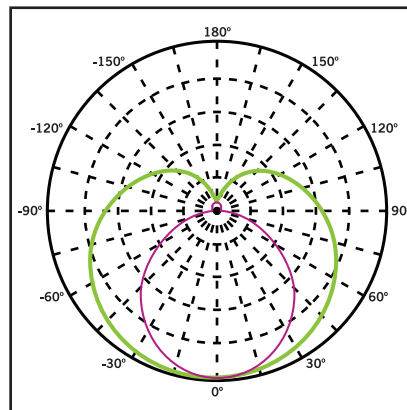
#### RATED LIFE

|             |        |
|-------------|--------|
| 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)



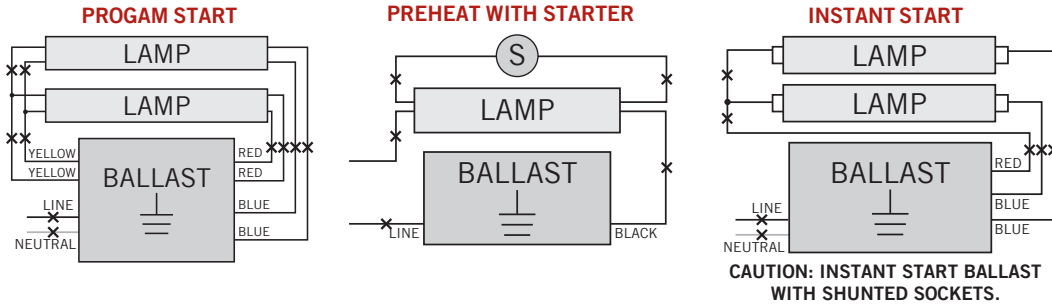
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### WIRING DIAGRAMS

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

#### Typical Ballast Configurations:



**Typical Non-Shunted Lampholder**

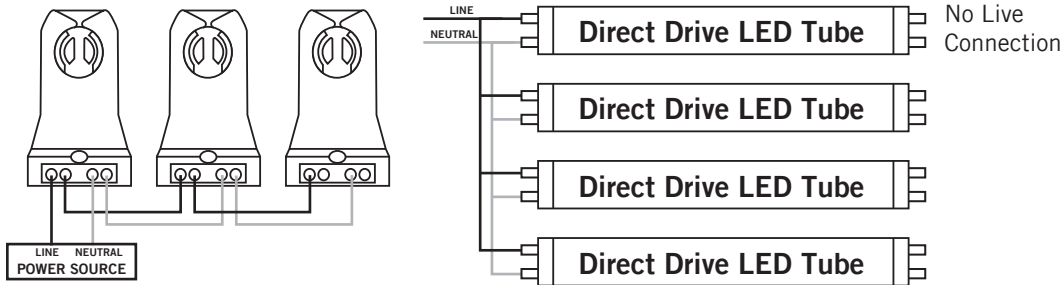
Connect wires directly to these terminals

**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.

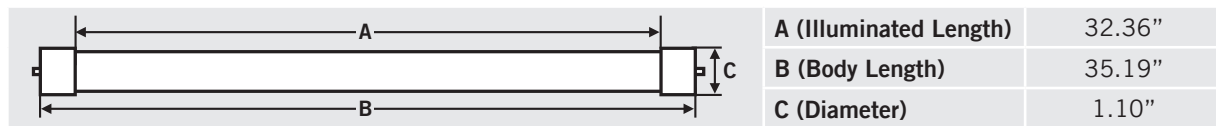
Keystone can provide any style replacement lampholders.  
Call us at 800-464-2680.

2. Re-wire fixture as shown below.



### 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-865-D-CP | Carton Pack (Egg Crate Packaging)     | 25        | Quick Ship  |
| KT-LED12T8-36GC-865-D-DP | Distributor Pack (Individual Cartons) | 12        | Quick Ship  |

### CATALOG NUMBER BREAKDOWN

# KT-LED12T8-36GC-865-D-CP

