

# KT-LED25T5HO-48GC-8XX-D/G2

## T5 LED LAMP

### DESCRIPTION

25W T5 LED | 3000–5000K | >80 CRI | High-Output | 120–277V Input



|                                         |
|-----------------------------------------|
| <b>LAMP TYPE:</b> Linear                |
| <b>BULB TYPE:</b> T5 LED                |
| <b>BASE TYPE:</b> G5 (Miniature Bi-Pin) |
| <b>WATTAGE:</b> 25W                     |
| <b>COLOR TEMPERATURE:</b> 3000–5000K    |
| <b>COLOR RENDERING INDEX (CRI):</b> >80 |
| <b>WARRANTY:</b> 5 Years                |



### PRODUCT FEATURES

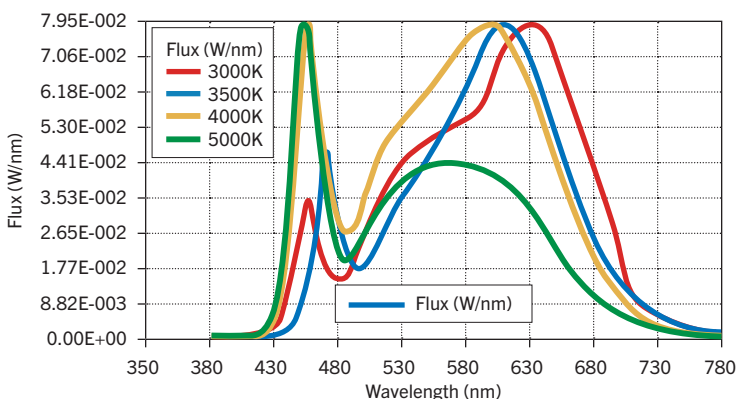
- Replacement for conventional fluorescent lamp
- 50,000+ hour lifetime
- Environmentally friendly: No mercury used
- Instant startup
- Direct replacement for F54T5/HO fluorescent lamp
- Frosted lens eliminates pixelation
- Listed on DLC QPL
- UL Classified
- Operating temperature:  $-20^{\circ}\text{C}/-4^{\circ}\text{F}$  to  $45^{\circ}\text{C}/113^{\circ}\text{F}$
- Integral driver (isolated) eliminates the need for external driver or ballast
- 120+ Lumens per Watt
- Improved lamp durability with shatterproof coated glass
- ETL Sanitation listed NSF/ANSI Standard 2—Food Equipment
- Suitable for use in typical vapor-tight fixtures up to  $35^{\circ}\text{C}/95^{\circ}\text{F}$  ambient
- 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.

### ELECTRICAL AND PERFORMANCE SPECIFICATIONS

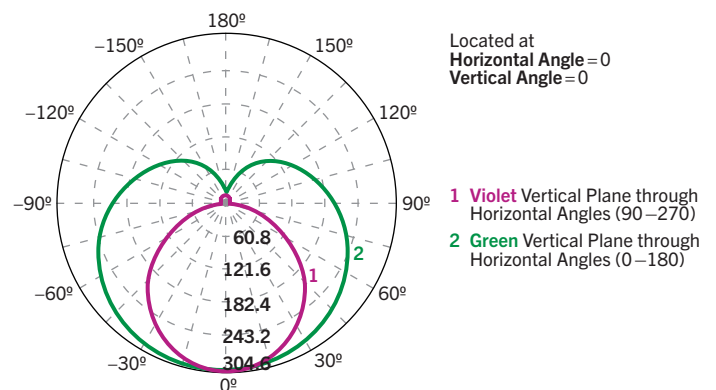
| Catalog Number             | Input Voltage | Power Consumption | Color Temperature (CCT) | Luminous Flux | Efficacy | Beam Angle | Visible Light Area | Power Factor | Input Current                | Rated Life            |
|----------------------------|---------------|-------------------|-------------------------|---------------|----------|------------|--------------------|--------------|------------------------------|-----------------------|
| KT-LED25T5HO-48GC-830-D_G2 | 120–277 Vac   | 25W               | 3000K                   | 3200 lm       | 128 lm/W | 240°       | 325°               | >0.9         | 0.21A @ 120V<br>0.09A @ 277V | L70 (Hours)<br>50,000 |
| KT-LED25T5HO-48GC-835-D_G2 |               |                   | 3500K                   | 3250 lm       | 130 lm/W |            |                    |              |                              |                       |
| KT-LED25T5HO-48GC-840-D_G2 |               |                   | 4000K                   | 3300 lm       | 132 lm/W |            |                    |              |                              |                       |
| KT-LED25T5HO-48GC-850-D_G2 |               |                   | 5000K                   | 3400 lm       | 136 lm/W |            |                    |              |                              |                       |

### PHOTOMETRIC SPECIFICATIONS

#### SPECTRAL DISTRIBUTION



#### POLAR CANDELA DISTRIBUTION



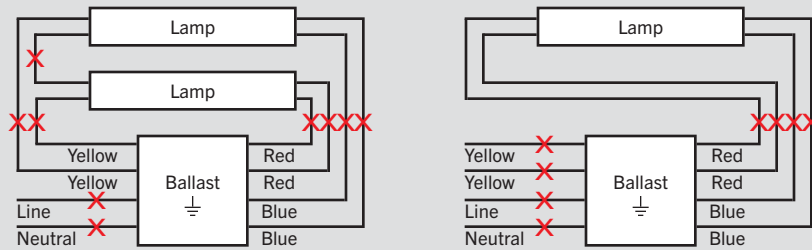
# KT-LED25T5HO-48GC-8XX-D/G2

## T5 LED LAMP

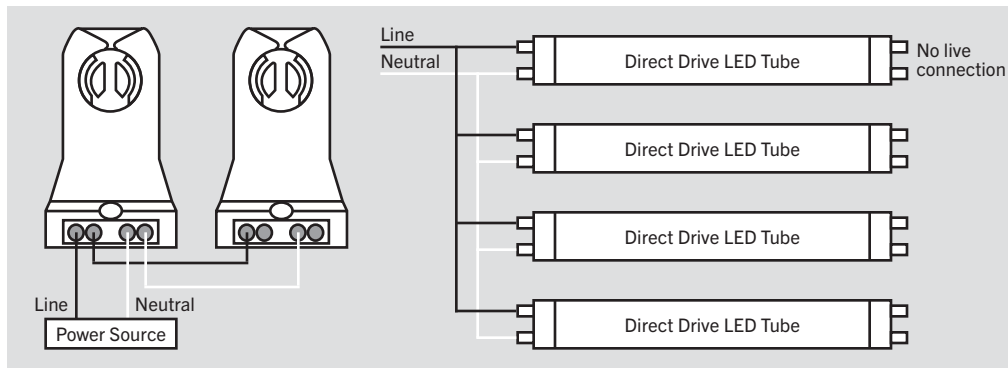
### WIRING DIAGRAM

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

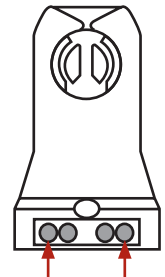
#### TYPICAL BALLAST CONFIGURATIONS



2. Rewire fixture as shown below.



#### TYPICAL NON-SHUNTED LAMPHOLDER

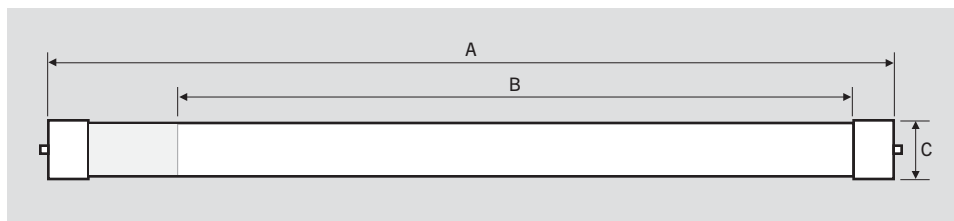


Connect wires directly to these terminals

**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 SPECIFICATIONS



#### LAMP DIMENSIONS

|                        |        |
|------------------------|--------|
| A (Body Length)        | 45.19" |
| B (Illuminated Length) | 40.56" |
| C (Diameter)*          | 0.82"  |

**NOMINAL LENGTH: 48"**

**BASE TYPE: G5 (Miniature Bi-Pin)**

\*Though nominally referred to as a T5, this lamp has a T6 diameter.



# KT-LED25T5HO-48GC-8XX-D/G2

## T5 LED LAMP

### ORDERING INFORMATION

| ORDER CODE                 | PACK QTY. | EASY CODE | UPC         |
|----------------------------|-----------|-----------|-------------|
| KT-LED25T5HO-48GC-830-D/G2 | 25        | AQE-90    | 89094901641 |
| KT-LED25T5HO-48GC-835-D/G2 | 25        | DIY-87    | 89094901642 |
| KT-LED25T5HO-48GC-840-D/G2 | 25        | FBV-62    | 89094901643 |
| KT-LED25T5HO-48GC-850-D/G2 | 25        | WTF-90    | 89094901644 |

### CATALOG NUMBER BREAKDOWN

# KT-LED25T5HO-48GC-830-D/G2

1 2 3 4 5 6 7 8 9 10

- 1 Keystone Technologies
- 2 LED Lamp
- 3 Wattage
- 4 Lamp Type
- 5 Nominal Length (Inches)
- 6 Shatter-Proof Coated Glass
- 7 80 CRI
- 8 Color Temperature
- 9 Direct Drive Series
- 10 2nd Generation

# KT-LED25T5HO-48GC-8XX-D/G2

## T5 LED LAMP

### DESCRIPTION

25W T5 LED | 3000–5000K | >80 CRI | High-Output | 120–277V Input



|                                         |
|-----------------------------------------|
| <b>LAMP TYPE:</b> Linear                |
| <b>BULB TYPE:</b> T5 LED                |
| <b>BASE TYPE:</b> G5 (Miniature Bi-Pin) |
| <b>WATTAGE:</b> 25W                     |
| <b>COLOR TEMPERATURE:</b> 3000–5000K    |
| <b>COLOR RENDERING INDEX (CRI):</b> >80 |
| <b>WARRANTY:</b> 5 Years                |



### PRODUCT FEATURES

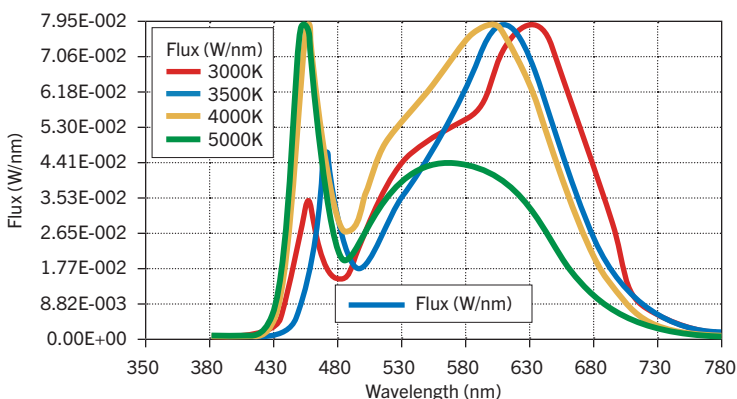
- Replacement for conventional fluorescent lamp
- 50,000+ hour lifetime
- Environmentally friendly: No mercury used
- Instant startup
- Direct replacement for F54T5/HO fluorescent lamp
- Frosted lens eliminates pixelation
- Listed on DLC QPL
- UL Classified
- Operating temperature:  $-20^{\circ}\text{C}/-4^{\circ}\text{F}$  to  $45^{\circ}\text{C}/113^{\circ}\text{F}$
- Integral driver (isolated) eliminates the need for external driver or ballast
- 120+ Lumens per Watt
- Improved lamp durability with shatterproof coated glass
- ETL Sanitation listed NSF/ANSI Standard 2—Food Equipment
- Suitable for use in typical vapor-tight fixtures up to  $35^{\circ}\text{C}/95^{\circ}\text{F}$  ambient
- 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.

### ELECTRICAL AND PERFORMANCE SPECIFICATIONS

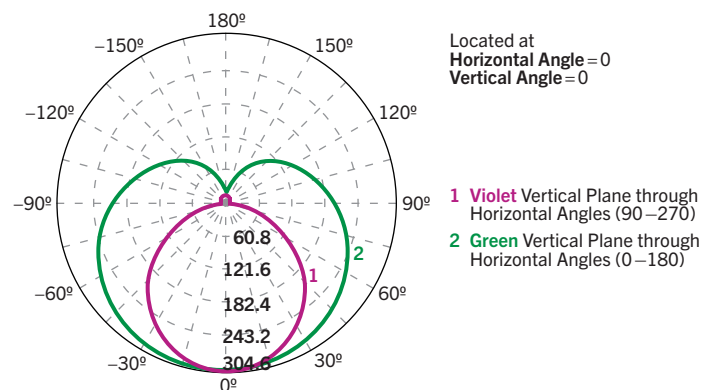
| Catalog Number             | Input Voltage | Power Consumption | Color Temperature (CCT) | Luminous Flux | Efficacy | Beam Angle | Visible Light Area | Power Factor | Input Current                | Rated Life            |
|----------------------------|---------------|-------------------|-------------------------|---------------|----------|------------|--------------------|--------------|------------------------------|-----------------------|
| KT-LED25T5HO-48GC-830-D_G2 | 120–277 Vac   | 25W               | 3000K                   | 3200 lm       | 128 lm/W | 240°       | 325°               | >0.9         | 0.21A @ 120V<br>0.09A @ 277V | L70 (Hours)<br>50,000 |
| KT-LED25T5HO-48GC-835-D_G2 |               |                   | 3500K                   | 3250 lm       | 130 lm/W |            |                    |              |                              |                       |
| KT-LED25T5HO-48GC-840-D_G2 |               |                   | 4000K                   | 3300 lm       | 132 lm/W |            |                    |              |                              |                       |
| KT-LED25T5HO-48GC-850-D_G2 |               |                   | 5000K                   | 3400 lm       | 136 lm/W |            |                    |              |                              |                       |

### PHOTOMETRIC SPECIFICATIONS

#### SPECTRAL DISTRIBUTION



#### POLAR CANDELA DISTRIBUTION



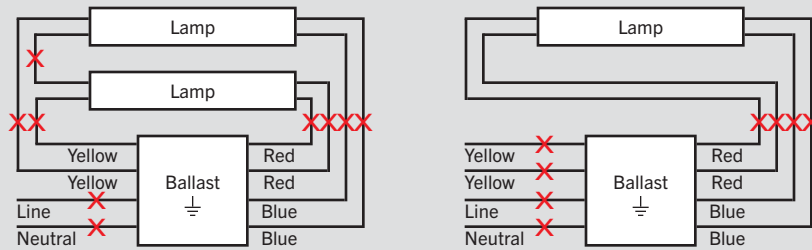
# KT-LED25T5HO-48GC-8XX-D/G2

## T5 LED LAMP

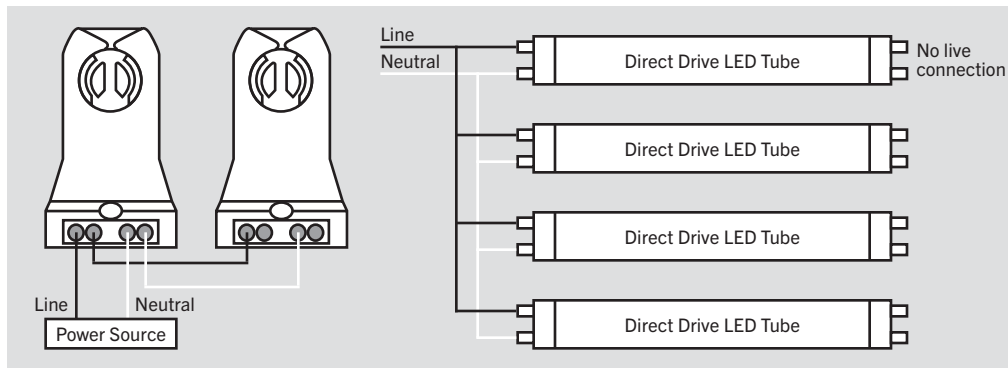
### WIRING DIAGRAM

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

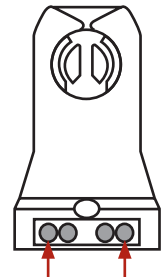
#### TYPICAL BALLAST CONFIGURATIONS



2. Rewire fixture as shown below.



#### TYPICAL NON-SHUNTED LAMPHOLDER

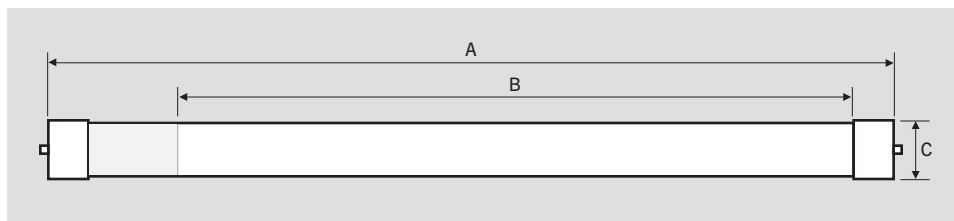


Connect wires directly to these terminals

**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 SPECIFICATIONS



#### LAMP DIMENSIONS

|                        |        |
|------------------------|--------|
| A (Body Length)        | 45.19" |
| B (Illuminated Length) | 40.56" |
| C (Diameter)*          | 0.82"  |

**NOMINAL LENGTH: 48"**

**BASE TYPE: G5 (Miniature Bi-Pin)**

\*Though nominally referred to as a T5, this lamp has a T6 diameter.



# KT-LED25T5HO-48GC-8XX-D/G2

## T5 LED LAMP

### ORDERING INFORMATION

| ORDER CODE                 | PACK QTY. | EASY CODE | UPC         |
|----------------------------|-----------|-----------|-------------|
| KT-LED25T5HO-48GC-830-D/G2 | 25        | AQE-90    | 89094901641 |
| KT-LED25T5HO-48GC-835-D/G2 | 25        | DIY-87    | 89094901642 |
| KT-LED25T5HO-48GC-840-D/G2 | 25        | FVJ-62    | 89094901643 |
| KT-LED25T5HO-48GC-850-D/G2 | 25        | WTF-90    | 89094901644 |

### CATALOG NUMBER BREAKDOWN

# KT-LED25T5HO-48GC-830-D/G2

1 2 3 4 5 6 7 8 9 10

- 1 Keystone Technologies
- 2 LED Lamp
- 3 Wattage
- 4 Lamp Type
- 5 Nominal Length (Inches)
- 6 Shatter-Proof Coated Glass
- 7 80 CRI
- 8 Color Temperature
- 9 Direct Drive Series
- 10 2nd Generation