



DIRECT DRIVE LED

LINE VOLTAGE TUBES

KT-LED22T8-48GC-850-D

T8 LED LAMP

DESCRIPTION

22W T8 LED | 5000K | >83 CRI | High Efficiency



| |
|---|
| LAMP TYPE: Linear |
| BULB TYPE: T8 LED |
| BASE TYPE: G13 (Medium Bi-Pin) |
| WATTAGE: 22W |
| COLOR TEMPERATURE: 5000K |
| COLOR RENDERING INDEX (CRI): >83 |
| WARRANTY: 5 Years |



PRODUCT FEATURES

- Replacement for Conventional Fluorescent Lamp
- 50,000+ Hour Lifetime
- Approximately 40% More Energy Efficient than Standard F32T8 Lamps
- Environmentally Friendly: No Mercury Used
- Instant Startup
- Frosted Lens Eliminates Pixelation
- UL Classified
- Was listed on DLC QPL prior to April 2017

- 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, designed to pass drop tests of 6' on hard surface
- ETL Sanitation Listed NSF/ANSI Standard 2 - Food Equipment, Splash Zone (Not for Direct Food Zone without additional fixture considerations)

OPERATING SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

| Input Voltage | Power Consumption | Power Factor | Input Current |
|---------------|-------------------|--------------|------------------------------|
| 120-277Vac | 22W | >0.9 | 0.18A @ 120V 0.07A @ 277V |

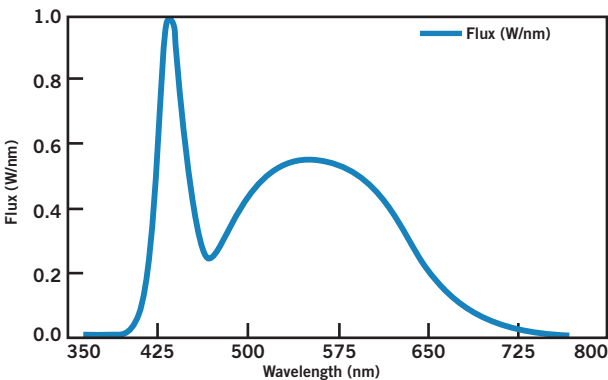
PHOTOMETRIC CHARACTERISTICS

| | |
|-----------------------------|----------|
| Color Temperature (CCT) | 5000K |
| Luminous Flux | 2600 lm |
| Color Rendering Index (CRI) | >83 |
| Efficacy | 118 lm/W |
| Beam Angle | 240° |
| Visible Light Area | 325° |

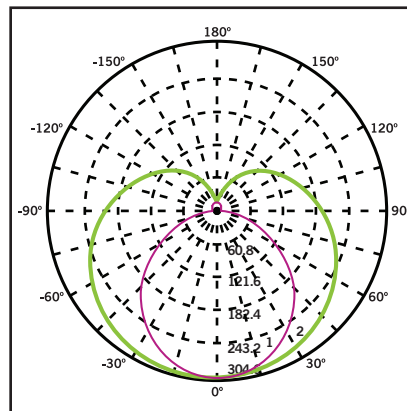
RATED LIFE

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

SPECTRAL DISTRIBUTION



POLAR CANDELA DISTRIBUTION



1. Violet Vertical Plane through Horizontal Angles (90-270)
2. Green Vertical Plane through Horizontal Angles (0-180)



DIRECT DRIVE LED

LINE VOLTAGE TUBES

KT-LED22T8-48GC-850-D

T8 LED LAMP

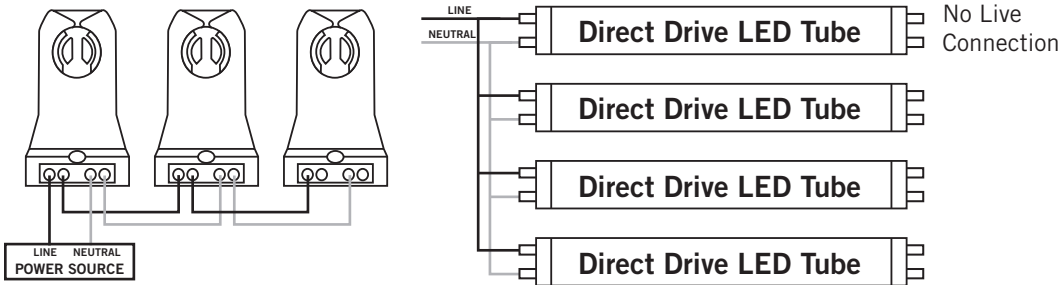
WIRING DIAGRAMS

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

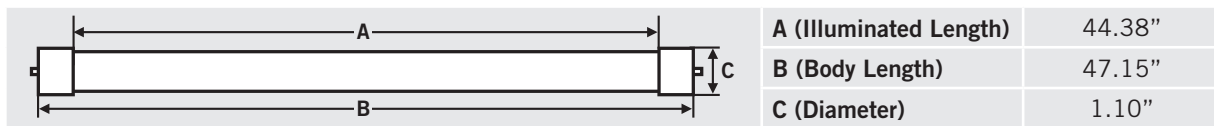
Connect wires directly to these terminals

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



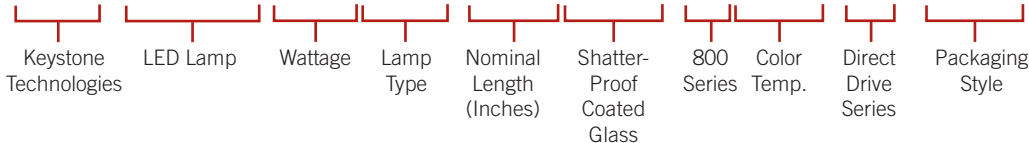
NOMINAL LENGTH: 48" BASE TYPE: G13 (Medium Bi-Pin)

ORDERING INFORMATION

| ORDER CODE | PACKAGING STYLE | PACK QTY. | ITEM STATUS |
|--------------------------|-----------------------------------|-----------|-------------|
| KT-LED22T8-48GC-850-D-CP | Carton Pack (Egg Crate Packaging) | 25 | Quick Ship |

CATALOG NUMBER BREAKDOWN

KT-LED22T8-48GC-850-D-CP





DIRECT DRIVE LED

LINE VOLTAGE TUBES

KT-LED22T8-48GC-850-D

T8 LED LAMP

DESCRIPTION

22W T8 LED | 5000K | >83 CRI | High Efficiency



| |
|---|
| LAMP TYPE: Linear |
| BULB TYPE: T8 LED |
| BASE TYPE: G13 (Medium Bi-Pin) |
| WATTAGE: 22W |
| COLOR TEMPERATURE: 5000K |
| COLOR RENDERING INDEX (CRI): >83 |
| WARRANTY: 5 Years |



PRODUCT FEATURES

- Replacement for Conventional Fluorescent Lamp
- 50,000+ Hour Lifetime
- Approximately 40% More Energy Efficient than Standard F32T8 Lamps
- Environmentally Friendly: No Mercury Used
- Instant Startup
- Frosted Lens Eliminates Pixelation
- UL Classified
- Was listed on DLC QPL prior to April 2017

- 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, designed to pass drop tests of 6' on hard surface
- ETL Sanitation Listed NSF/ANSI Standard 2 - Food Equipment, Splash Zone (Not for Direct Food Zone without additional fixture considerations)

OPERATING SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

| Input Voltage | Power Consumption | Power Factor | Input Current |
|---------------|-------------------|--------------|------------------------------|
| 120-277Vac | 22W | >0.9 | 0.18A @ 120V 0.07A @ 277V |

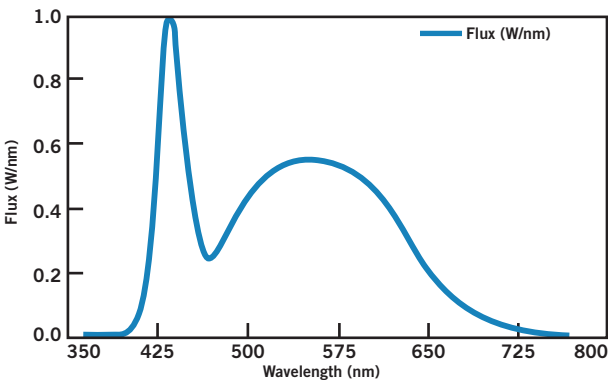
PHOTOMETRIC CHARACTERISTICS

| | |
|-----------------------------|----------|
| Color Temperature (CCT) | 5000K |
| Luminous Flux | 2600 lm |
| Color Rendering Index (CRI) | >83 |
| Efficacy | 118 lm/W |
| Beam Angle | 240° |
| Visible Light Area | 325° |

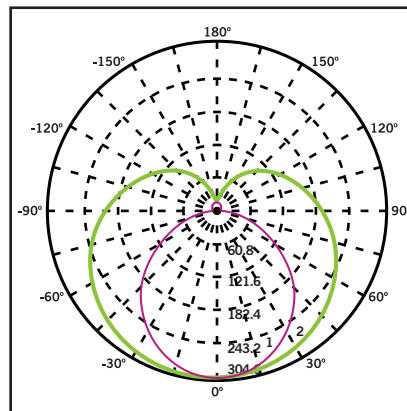
RATED LIFE

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

SPECTRAL DISTRIBUTION



POLAR CANDELA DISTRIBUTION



1. Violet Vertical Plane through Horizontal Angles (90-270)
2. Green Vertical Plane through Horizontal Angles (0-180)



DIRECT DRIVE LED

LINE VOLTAGE TUBES

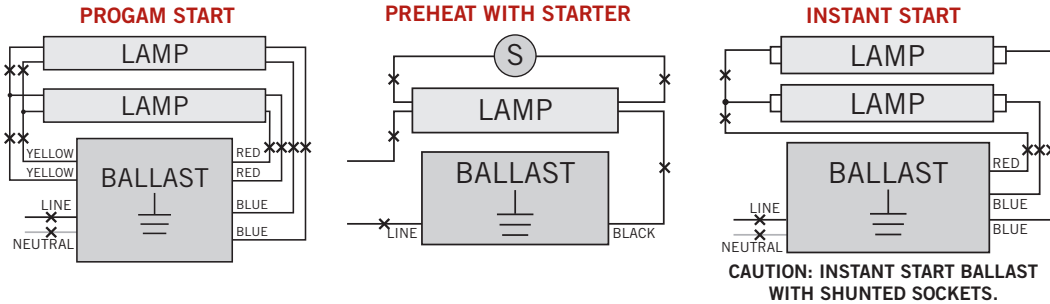
KT-LED22T8-48GC-850-D

T8 LED LAMP

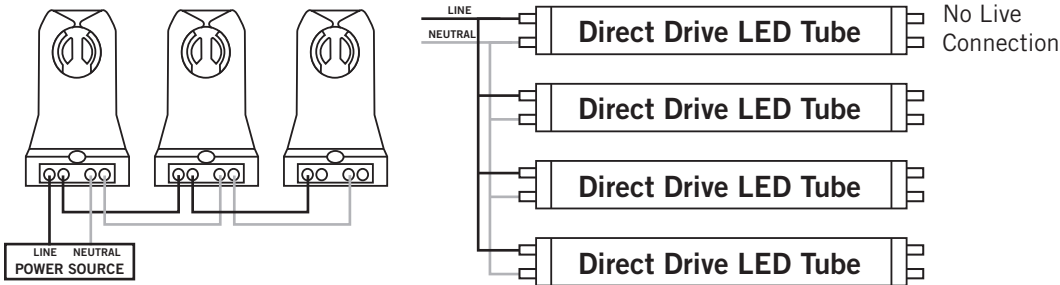
WIRING DIAGRAMS

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

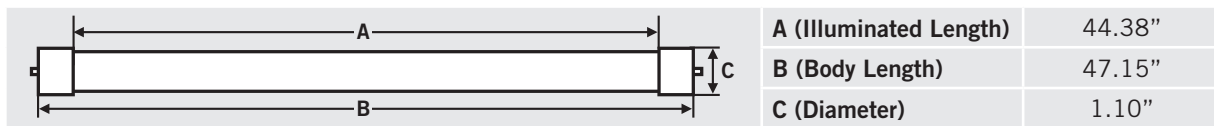
Connect wires directly to these terminals

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: 48" BASE TYPE: G13 (Medium Bi-Pin)

ORDERING INFORMATION

| ORDER CODE | PACKAGING STYLE | PACK QTY. | ITEM STATUS |
|--------------------------|-----------------------------------|-----------|-------------|
| KT-LED22T8-48GC-850-D-CP | Carton Pack (Egg Crate Packaging) | 25 | Quick Ship |

CATALOG NUMBER BREAKDOWN

