# LED Indoor Lighting Product Guide
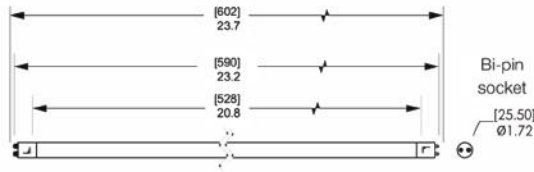
# LT Model
## T8 Series

## T8 LED TYPE C EXTERNAL DRIVER 2FT X 2 RETROFIT KIT

[602] 23.7
[590] 23.2
[528] 20.8
Bi-pin socket
[25.50] Ø1.72

This T8 LED 2FT 2-Lamp Retrofit kit consists of two 2FT T8 LED lamps and 0-10V dimmable external LED driver, which operates off of 120-277 VAC.

The 16W kit replaces two 2FT T8 fluorescent lamps, totalling up to 40W and the fixture's T8 ballast.

Each 2FT T8 LED lamp in the kit emits light with 330 degree beam angle, has a color rendering index (CRI) of >80. The kit delivers upt to 2,400 lumens of usable light. Available in 3000k, 3500k, 4000k and 5000k color temperature.

The lamps are rated at 50,000 hours and backed by an extended seven-year warranty.

## Features and specifications:

- Directly replaces two 20W/17W/15W 2FT T8 fluorescent lamps with two 8W LEDs
- Type C Lamp- External LED driver supports 120-277V installation
- Delivers up to 1,200 lumens of usable light per lamp   (2,400 lumens per kit)
- >80 CRI
- 0-10VDC dimmable
- CCT 3000k,3500k, 4000k and 5000k
- Extended 7- Year warranty

Operating Temperature:          -40F to 104 °F (-40 to 40 °C)
(Suitable for dry and damp condition)

## Product Specifications

### Electrical System:

All electrical components are UL certified.

Input Voltage: 120/277VAC

System Power Consumption (Lamp + Driver) : 8W per lamp

### Construction /Finish

- Glass, White
- Optical Glass Diffusion
- G13 bi-pin (shunted & non-shunted tombstone)
- 0.25 lbs per lamp , 0.40 lbs per driver

### Warranty

Seven-year limited warranty.

### Application Notes

- The lamp supports shunted and non-shunted tombstones
- Do NOT install this lamp directly into line voltage or with a fluorencent ballast
- The lamp with the kitted driver supports dimming with 0-10V dimmer

### Product Warranty will be voided under the following conditions

- Lamp installed into line voltage or with a ballast
- Lamp installed in a gasketed, full enclosed fixture
- Lamp installed into fixture with cracked, broken, dirty or rusted tombstone sockets
- Incorrect lamp/driver installation or tombstone socket wiring

### Searchable DLC Product IDs:

Lunera : PKXZARMW   P4P8JX5V   PQ79ZY76   PS54PCFK

## Ordering Information
Example:   **LTT8-2F1640C - Type C T8, 2FTx2, 16W, 4000K retrofit kit**

| Model Number | Luminaire Type | Color Temperature | Output Wattage | Luminaire Series | |
|---|---|---|---|---|---|
| **LT** | **T8** | **2F** | **16** | **40** | **C** |
| | **T8**- T8 | **2F**- 2' | **16**- 16W (8Wx2) | **30**- 3000K **40**- 4000K **50**- 5000K | **C**- Type C external driver |

**Note:** Specifications subject to change without notice. Actual performance may differ as a result of end user environment and application.
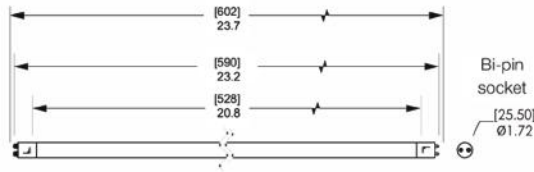
# LT Model

## T8 Series

## T8 LED TYPE C EXTERNAL DRIVER 2FT X 3 RETROFIT KIT



This T8 LED 2FT 3-Lamp Retrofit kit consists of three 2FT T8 LED lamps and 0-10V dimmable external LED driver, which operates off of 120-277 VAC.

The 24W kit replaces two 2FT T8 fluorescent lamps, totalling up to 60W and the fixture's T8 ballast.

Each 2FT T8 LED lamp in the kit emits light with 330 degree beam angle, has a color rendering index (CRI) of >80. The kit delivers upt to 3,600 lumens of usable light. Available in 3000k, 3500k, 4000k and 5000k color temperature.

The lamps are rated at 50,000 hours and backed by an extended seven-year warranty.

## Features and specifications:

- Directly replaces two 20W/17W/15W 2FT T8 fluorescent lamps with three 8W LEDs
- Type C Lamp- External LED driver supports 120-277V installation
- Delivers up to 1,200 lumens of usable light per lamp (3,600 lumens per kit)
- >80 CRI
- 0-10VDC dimmable
- CCT 3000k,3500k, 4000k and 5000k
- Extended 7- Year warranty

Operating Temperature:        -40F to 104 °F (-40 to 40 °C)
(Suitable for dry and damp condition)

## Product Specifications

### Electrical System:

All electrical components are UL certified.

Input Voltage: 120/277VAC

System Power Consumption (Lamp + Driver) : 8W per lamp

### Construction /Finish

- Glass, White
- Optical Glass Diffusion
- G13 bi-pin (shunted & non-shunted tombstone)
- 0.25 lbs per lamp , 0.40 lbs per driver

### Warranty

Seven-year limited warranty.

### Application Notes

- The lamp supports shunted and non-shunted tombstones
- Do NOT install this lamp directly into line voltage or with a fluorencent ballast
- The lamp with the kitted driver supports dimming with 0-10V dimmer

### Product Warranty will be voided under the following conditions

- Lamp installed into line voltage or with a ballast
- Lamp installed in a gasketed, full enclosed fixture
- Lamp installed into fixture with cracked, broken, dirty or rusted tombstone sockets
- Incorrect lamp/driver installation or tombstone socket wiring

## Ordering Information

Example:    **LTT8-2F2440C - Type C T8, 2FTx3, 24W, 4000K retrofit kit**

| Model Number | Luminaire Type | Color Temperature | Output Wattage | Luminaire Series | |
|---|---|---|---|---|---|
| **LT** | **T8** | **2F** | **24** | **40** | **C** |
| | **T8**- T8 | **2F**- 2' | **24**- 24W (8Wx3) | **30**- 3000K **40**- 4000K **50**- 5000K | **C**- Type C external driver |

**Note:** Specifications subject to change without notice. Actual performance may differ as a result of end user environment and application.

# LT Model

## T8 Series

# T8 LED TYPE C EXTERNAL DRIVER 4FT X 2 RETROFIT KIT

[1212] 47.72
[1198] 47.17
Bi-pin socket
[1136] 44.72
[25.50] Ø1.72

## Product Specifications

This T8 LED 4FT 2-Lamp Retrofit kit consists of two 4FT T8 LED lamps and 0-10V dimmable external LED driver, which operates off of 120-277 VAC.

The 24W replaces two 4FT T8 fluorescent lamps, totalling up to 64W and the fixture's T8 ballast.

Each 4FT T8 LED lamp in the kit emits light with 330 degree beam angle, has a color rendering index (CRI) of >80. The kit delivers upt to 3,600 lumens (24W) or 4,400 lumens (30W) of usable light. Available in 3000k, 3500k, 4000k and 5000k color temperature.

The lamps are rated at 50,000 hours and backed by an extended seven-year warranty.

## Features and specifications:

- Directly replaces two 32W/30W/28W/25W 4FT T8 fluorescent lamps with two 12W or 15W LEDs
- Type C Lamp- External LED driver supports 120-277V installation
- Delivers up to 1,800 lumens(12W) or 2,200 lumens (15W) of usable light per lamp (3,600lumens or 4,400 lumens per kit)
- >80 CRI
- 0-10VDC dimmable
- CCT 3000k,3500k, 4000k and 5000k
- Extended 7- Year warranty

Operating Temperature:     -40F to 104 °F (-40 to 40 °C)
(Suitable for dry and damp condition)

### Electrical System:

All electrical components are UL certified.

Input Voltage: 120/277VAC

System Power Consumption (Lamp + Driver) : 14 W /17W per lamp

### Construction /Finish

- Glass, White
- Optical Glass Diffusion
- G13 bi-pin (shunted & non-shunted tombstone)
- 0.45 lbs per lamp , 0.40 lbs per driver

### Warranty

Seven-year limited warranty.

### Application Notes

- The lamp supports shunted and non-shunted tombstones
- Do NOT install this lamp directly into line voltage or with a fluorencent ballast
- The lamp with the kitted driver supports dimming with 0-10V dimmer

### Product Warranty will be voided under the following conditions

- Lamp installed into line voltage or with a ballast
- Lamp installed in a gasketed, fullu enclosed fixture
- Lamp installed into fixture with cracked, broken, dirty or rusted tombstone sockets
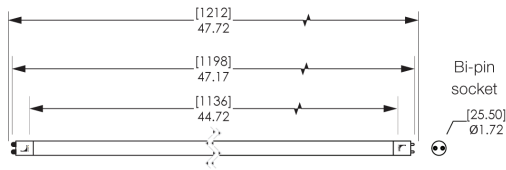- Incorrect lamp/driver installation or tombstone socket wiring

### Searchable DLC Product IDs:

Lunera : PTN8W9KK   P4P8JX5V   PUK7F241   PQ846JV4

## Ordering Information
Example:     **LTT8-4F2440C - Type C T8, 4FTx2, 24W, 4000K retrofit kit**

| Model Number | Luminaire Type | Color Temperature | Output Wattage | Luminaire Series | |
|---|---|---|---|---|---|
| **LT** | **T8** | **4F** | **24** | **40** | **C** |
| | T8- T8 | 4F- 4' | 24- 24W (12Wx2) | 30- 3000K | C- Type C external driver |
| | | | 30- 30W (15W2) | 40- 4000K 50- 5000K | |

**Note:** Specifications subject to change without notice. Actual performance may differ as a result of end user environment and application.
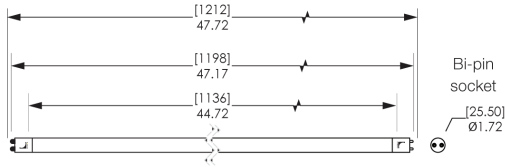
# LT Model

## T8 Series

# T8 LED TYPE C EXTERNAL DRIVER 4FT X 3 RETROFIT KIT

[1212]
47.72

[1198]
47.17

[1136]
44.72

Bi-pin socket

[25.50]
Ø1.72

## Product Specifications

This T8 LED 4FT 3-Lamp Retrofit kit consists of two 4FT T8 LED lamps and 0-10V dimmable external LED driver, which operates off of 120-277 VAC.

The 36W replaces three 4FT T8 fluorescent lamps, totalling up to 96W and the fixture's T8 ballast.

Each 4FT T8 LED lamp in the kit emits light with 330 degree beam angle, has a color rendering index (CRI) of >80. The kit delivers upt to 5,400 lumens (36W) or 6,600 lumens (45W) of usable light. Available in 3000k, 3500k, 4000k and 5000k color temperature.

The lamps are rated at 50,000 hours and backed by an extended seven-year warranty.

### Features and specifications:

- Directly replaces three 32W/30W/28W/25W 4FT T8 fluorescent lamps with three 12W or 15W LEDs
- Type C Lamp- External LED driver supports 120-277V installation
- Delivers up to 1,800 lumens(12W) or 2,200 lumens (15W) of usable light per lamp (5,400lumens or 6,600 lumens per kit)
- >80 CRI
- 0-10VDC dimmable
- CCT 3000k,3500k, 4000k and 5000k
- Extended 7- Year warranty

Operating Temperature:        -40F to 104 °F (-40 to 40 °C)
(Suitable for dry and damp condition)

### Electrical System:

All electrical components are UL certified.

Input Voltage: 120/277VAC

System Power Consumption (Lamp + Driver) : 14 W /17W per lamp

### Construction /Finish

- Glass, White
- Optical Glass Diffusion
- G13 bi-pin (shunted & non-shunted tombstone)
- 0.45 lbs per lamp , 0.40 lbs per driver

### Warranty

Seven-year limited warranty.

### Application Notes

- The lamp supports shunted and non-shunted tombstones
- Do NOT install this lamp directly into line voltage or with a fluorencent ballast
- The lamp with the kitted driver supports dimming with 0-10V dimmer

### Product Warranty will be voided under the following conditions

- Lamp installed into line voltage or with a ballast
- Lamp installed in a gasketed, fullu enclosed fixture
- Lamp installed into fixture with cracked, broken, dirty or rusted tombstone sockets
- Incorrect lamp/driver installation or tombstone socket wiring

### Searchable DLC Product IDs:

Lunera : PLB9IATPD7G1      PLI0EITO06LYM      PL8N7GB2F65X

## Ordering Information
Example:    **LTT8-4F3640C - Type C T8, 4FTx3, 36W, 4000K retrofit kit**

| Model Number | Luminaire Type | Color Temperature | Output Wattage | Luminaire Series | |
|---|---|---|---|---|---|
| **LT** | **T8** | **4F** | **36** | **40** | **C** |
| | T8- T8 | 4F- 4' | **36-** 36W (12Wx3) | **30-** 3000K | C- Type C external driver |
| | | | **45-** 45W (15Wx3) | **40-** 4000K | |
| | | | | **50-** 5000K | |

**Note:** Specifications subject to change without notice. Actual performance may differ as a result of end user environment and application.
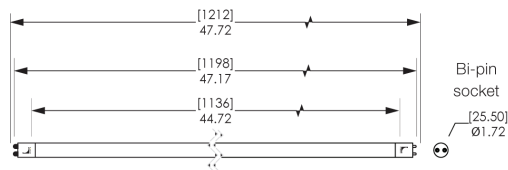
# LT Model
## T8 Series

# T8 LED TYPE C EXTERNAL DRIVER 4FT X 4 RETROFIT KIT

**[1212] 47.72**
**[1198] 47.17**
**[1136] 44.72**
Bi-pin socket
**[25.50] Ø1.72**

## Product Specifications

This T8 LED 4FT 4-Lamp Retrofit kit consists of two 4FT T8 LED lamps and 0-10V dimmable external LED driver, which operates off of 120-277 VAC.

The 48W replaces two 4FT T8 fluorescent lamps, totalling up to 128W and the fixture's T8 ballast.

Each 4FT T8 LED lamp in the kit emits light with 330 degree beam angle, has a color rendering index (CRI) of >80. The kit delivers upt to 7,200 lumens (48W) or 8,800 lumens (60W) of usable light. Available in 3000k, 3500k, 4000k and 5000k color temperature.

The lamps are rated at 50,000 hours and backed by an extended seven-year warranty.

### Features and specifications:

- Directly replaces four 32W/30W/28W/25W 4FT T8 fluorescent lamps with four 12W or 15W LEDs
- Type C Lamp- External LED driver supports 120-277V installation
- Delivers up to 1,800 lumens(12W) or 2,200 lumens (15W) of usable light per lamp (7,200lumens or 8,800 lumens per kit)
- >80 CRI
- 0-10VDC dimmable
- CCT 3000k,3500k, 4000k and 5000k
- Extended 7- Year warranty

Operating Temperature:       -40F to 104 °F (-40 to 40 °C)
(Suitable for dry and damp condition)

### Electrical System:

All electrical components are UL certified.

Input Voltage: 120/277VAC

System Power Consumption (Lamp + Driver) : 14 W /17W per lamp

### Construction /Finish

- Glass, White
- Optical Glass Diffusion
- G13 bi-pin (shunted & non-shunted tombstone)
- 0.45 lbs per lamp , 0.40 lbs per driver

### Warranty

Seven-year limited warranty.

### Application Notes

- The lamp supports shunted and non-shunted tombstones
- Do NOT install this lamp directly into line voltage or with a fluorencent ballast
- The lamp with the kitted driver supports dimming with 0-10V dimmer

### Product Warranty will be voided under the following conditions

- Lamp installed into line voltage or with a ballast
- Lamp installed in a gasketed, fullu enclosed fixture
- Lamp installed into fixture with cracked, broken, dirty or rusted tombstone sockets
- Incorrect lamp/driver installation or tombstone socket wiring

### Searchable DLC Product IDs:

Lunera : PLB9IATPD7G1      PLI0EITO06LYM     PL8N7GB2F65X

## Ordering Information
Example:     **LTT8-4F4840C - Type C T8, 4FTx4, 48W, 4000K retrofit kit**

| Model Number | Luminaire Type | Color Temperature | Output Wattage | Luminaire Series | |
|---|---|---|---|---|---|
| **LT** | **T8** | **4F** | **48** | **40** | **C** |
| | **T8-** T8 | **4F-** 4' | **48-** 48W (12Wx4) | **30-** 3000K | **C-** Type C external driver |
| | | | **60-** 60W (15Wx4) | **40-** 4000K | |
| | | | | **50-** 5000K | |

**Note:** Specifications subject to change without notice. Actual performance may differ as a result of end user environment and application.
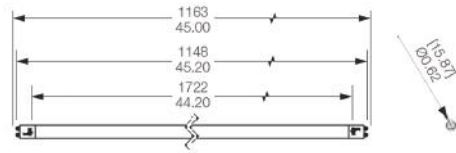
## T5HO LED TYPE-C (EXTERNAL DRIVER) 4FT X 2 RETROFIT KIT

### Product Specifications

This T5HO LED 2-Lamp Retrofit kit consists of two 4FT T5HO LED lamps and a 0-10V dimmable external LED driver, which operates off of 120-277 VAC.

The 50W replaces two 4FT T5HO fluorescent lamps, totalling up to 108W and the fixture's T5HO ballast.

Each 4FT T5HO LED lamp in the kit emits light with 330 degree beam angle, has a color rendering index (CRI) of >80. The kit delivers up to 7,000 lumens of usable light. Available in 3000k, 4000k, and 5000k color temperature.

The lamps are rated at 50,000 hours and backed by an extended seven-year warranty.

This is a Type C kit. The lamps do NOT support line voltage or fluorescent ballasts.

### Features and specifications:

- Directly replaces two 54W T5HO fluorescent lamps with two 25W LEDs
- Type C Lamp -- External LED driver supports 120-277V installation
- Delivers up to 3,500 lumens of usable light per lamp (7,000 lumens per kit)
- >80 CRI
- 0-10VDC dimmable
- CCT 3000k, 4000k, and 5000k
- Extended 7- Year warranty

Operating Temperature:     -40F to 104 °F (-40 to 40 °C)
(Suitable for dry and damp condition)

### Electrical System:

All electrical components are UL certified.

Input Voltage: 120/277VAC

System Power Consumption (Lamp + Driver) : 14 W /17W per lamp

### Construction /Finish

- Glass, White
- Optical Glass Diffusion
- G13 bi-pin (shunted & non-shunted tombstone)
- 0.45 lbs per lamp , 0.40 lbs per driver

### Warranty

Seven-year limited warranty.

### Application Notes

- The lamp supports shunted and non-shunted tombstones
- Do NOT install this lamp directly into line voltage or with a fluorencent ballast
- The lamp with the kitted driver supports dimming with 0-10V dimmer

### Product Warranty will be voided under the following conditions

- Lamp installed into line voltage or with a ballast
- Lamp installed in a gasketed, fullu enclosed fixture
- Lamp installed into fixture with cracked, broken, dirty or rusted tombstone sockets
- Incorrect lamp/driver installation or tombstone socket wiring

### Searchable DLC Product IDs:

Lunera: HN-T5-KIT2-48-25W-830-G1

### Ordering Information
Example:     **LTT5-4F5050C2 - Type C T5HO, 4FTx2, 50W, 5000K retrofit kit**

| Model Number | Luminaire Type | Color Temperature | Output Wattage | Luminaire Series | |
|---|---|---|---|---|---|
| **LT** | **T5** | **4F** | **50** | **50** | **C** |
| | **T5-** T5HO | **4F-** 4' | **50-** 50W (25Wx2) | **30-** 3000K<br>**40-** 4000K<br>**50-** 5000K | **C-** Type C external driver |

**Note:** Specifications subject to change without notice. Actual performance may differ as a result of end user environment and application.

Rev 1- 11/1/17

# LED◦RITE

# LT Model
## T8 Series

## T8 LED Replacement for Fluorescent Tube 2-foot

The products are engineered to install into the existing infrastructure and fixtures, making the transition from Linear Fluorescents to LED simple and cost-effective.

## FEATURES & BENEFITS:

- Compatible with most existing Fluorescent ballasts or direct AC 120-277VAC operation (ballast bypass).
- Excellent luminaire efficacy provides significant energy saving.
- Superior thermal management with aluminum PCB and aluminum housings
- Cool beam - No UV or IR, reduces air conditioning loads significantly.
- Available in 3000K, 4000K, and 5000K color temperatures.
- Rated Life : 50,000 hours
- Assembled in USA with domestic and imported components
- RoHS Compliant - Mercury free and Lead free

## Applications :

- Shop lighting
- Commercial lighting
- Boutique lighting
- Illumination lighting
- Architectural lighting

**Lumen Output :**    1000 lumen, 120lm/W

**Operating Temperature:**    -4 F to 104 °F (-20 to 40 °C)

**Color Temperature (TYP):**    3000K, 4000K, & 5000K

**Color Rendering Index (CRI):**    >80

**Beam Angle (Degree):**    120

## Product Specifications

### Electrical System:

All electrical components are UL certified.

**Input Voltage:** 120/277VAC

**Power Consumption:** 8W

### Construction /Finish

- Aluminum housing and Aluminum PCB.
- Optical acrylic lens.
- G13 bi-pin (STD T8/12), T5, R17D recessed, single pin

### Warranty

Five-year limited warranty.

## Ordering Information
Example:    **LTT8-2F0840B**

| Model Number | Luminaire Type | Color Temperature | Output Wattage | Luminaire Series | Installation |
|---|---|---|---|---|---|
| **LT** | **T8** | **2F** | **08** | **40** | **A** |
| | **T8-** T8 | **2F-** 2' | **08-** 8W | **30-** 3000K<br>**40-** 4000K<br>**50-** 5000K | **A-** Ballast Compatible<br>**B-** Direct wire (bypass ballast) |

**Note:** Specifications subject to change without notice. Actual performance may differ as a result of end user environment and application.

120 Rowell Road  Hampshire, IL 60140     Phone: 847-683-8002  Fax: 847-683-8001  www.ledrite.com

LED◦RITE

# LT Model
## T8 Series

## T8 LED Replacement for Fluorescent Tube

The products are engineered to install into the existing infrastructure and fixtures, making the transition from Linear Fluorescents to LED simple and cost-effective.

## Product Specifications

### FEATURES & BENEFITS:

- Compatible with most existing Fluorescent ballasts or direct AC 120-277VAC operation (ballast bypass).
- Excellent luminaire efficacy provides significant energy saving.
- Superior thermal management with aluminum PCB and aluminum housings
- Cool beam - No UV or IR, reduces air conditioning loads significantly.
- Available in 3000K, 4000K, and 5000K color temperatures.
- Rated Life : 50,000 hours
- Assembled in USA with domestic and imported components
- RoHS Compliant - Mercury free and Lead free

### Applications :

- Shop lighting
- Commercial lighting
- Boutique lighting
- Illumination lighting
- Architectural lighting

**Lumen Output :**     20W -3000K : 2380 lumen
                       20W -4000K : 2400 lumen
                       20W -5000K : 2420 lumen

**Operating Temperature:**     -4 F to 104 °F (-20 to 40 °C)

**Color Temperature (TYP):**     3000K, 4000K, & 5000K

**Color Rendering Index (CRI):**     >80

### Electrical System:

All electrical components are UL certified.

**Input Voltage:** 120/277VAC

**Power Consumption:**  20W

### Construction /Finish

- Aluminum housing and Aluminum PCB.
- Optical acrylic lens.
- G13 bi-pin (STD T8/12), T5, R17D recessed, single pin

### Warranty

Five-year limited warranty.

## Ordering Information
Example:     **LTT8-4F2040ND**

| Model Number | Luminaire Type | Color Temperature | Output Wattage | Luminaire Series | Installation |
|---|---|---|---|---|---|
| **LT** | **T8** | **4F** | **20** | **40** | **ND** |
| | **T8-** T8 | **4F-** 4' | **20-** 20W | **30-** 3000K <br> **40-** 4000K <br> **50-** 5000K | **N-** Non-rotatable caps <br> **D-** Direct wire (bypass ballast) |

**Note:** Specifications subject to change without notice. Actual performance may differ as a result of end user environment and application.

# LT Model
## T8 Series

## T8 LED Replacement for Fluorescent Tube

The products are engineered to install into the existing infrastructure and fixtures, making the transition from Linear Fluorescents to LED simple and cost-effective.

## Product Specifications

## FEATURES & BENEFITS:

- Compatible with most existing Fluorescent ballasts or direct AC 120-277VAC operation (ballast bypass).
- Excellent luminaire efficacy provides significant energy saving.
- Superior thermal management with aluminum PCB and aluminum housings
- Cool beam - No UV or IR, reduces air conditioning loads significantly.
- Available in 3000K*, 4000K, and 5000K color temperatures.
- Rated Life : 50,000 hours
- Assembled in USA with domestic and imported components
- RoHS Compliant - Mercury free and Lead free

*special order

## Applications :

- Shop lighting
- Commercial lighting
- Boutique lighting
- Illumination lighting
- Architectural lighting

**Lumen Output :**     40W -3000K : 4780 lumen
40W -4000K : 4800 lumen
40W -5000K : 4820 lumen

**Operating Temperature:**     -4 F to 104 °F (-20 to 40 °C)

**Color Temperature (TYP):**     3000K, 4000K, & 5000K

**Color Rendering Index (CRI):**     >80

## Electrical System:

All electrical components are UL certified.

**Input Voltage:** 120/277VAC

**Power Consumption:**  40W

## Construction /Finish

**-** Aluminum housing and Aluminum PCB.
- Optical acrylic lens.
- R17D recessed, single pin

## Warranty

Five-year limited warranty.

## Ordering Information

Example:    **LTT8-8F4040S**

| Model Number | Luminaire Type | Color Temperature | Output Wattage | Luminaire Series | Installation |
|---|---|---|---|---|---|
| **LT** | **T8** | **8F** | **40** | **40** | **S** |
| | **T8-** T8 | **8F-** 8' | **40-** 40W | **30-** 3000K <br> **40-** 4000K <br> **50-** 5000K | **S-** Single pin <br> **R-** R17D base |

**Note:** Specifications subject to change without notice. Actual performance may differ as a result of end user environment and application.

Rev 1 - 05/24/18

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![LED RITE logo]

## G24D & G24Q base – Bypass Ballast or 120 – 277VAC

| R20 (8W) | R30 (13W) | R40(17W) | Horizontal 2-pin and 4-pin (12W) |

## Filament LED Bulbs

## PAR Light -Dimmable

| 7W & 5W | 4W E12 Base | PAR30(13W) | PAR38(17W) | PAR38(30W) |

For details and other models,
Please contact: 847-683-8002, 120 Rowell Rd. Hampshire, IL 60140

c(UL)us LISTED

# LED○RITE

**Horizonal**

**Vertical**

G24q / GX24q base

# LT-G24 Model

## LED Replacement for 4-pin CFLS

The products are engineered to install into the exiting infrastructure and fixtures, making the transition from CLF to LED simple and cost-effective.

### FEATURES & BENEFITS:

- Compatible with most existing CFL ballasts or direct AC 120-277VAC operation. (bypass ballast)
- Available models for both vertical and horizontal mounting applications.
- Superior thermal management with aluminum PCB and aluminum housings
- Cool beam- No UV or IR, reduces air conditioning loads significantly.
- Available in 2700K,3000K,4000K, 5000K and 6000K color temperature.
- Rated Life : 50,000 hours
- RoHS Compliant - Mercury free and Lead free

**Warranty**

Five-year warranty.

| Model | LT-G24-HOD | | LT-G24-HDI | | LT-G24-VBR | | | |
|---|---|---|---|---|---|---|---|---|
| Power | 9W | 12W | 9W | 11W | 8W | 9W | 13W | 17W |
| Lumen Output | 950 | 1150 | 850 | 1000 | 600 | 750 | 1150 | 1450 |
| Beam Angle | 270º | | 360º | | 140º | | | |
| Input Voltage | Ballast compatible or 100–277VAC | | | | | | | |
| Color | 2700K    3000K    4000K    5000K    6000K | | | | | | | |
| CRI | > 80 | | | | | | | |
| Base Options | G24d, G24q, GX24d, GX24q, E26 | | | | | | | |
| Dimmable | No | | | | | | | |
| Operating Temp | -20ºC to 60ºC | | | | | | | |
| Life Rating | >50,000hrs | | | | | | | |

cULus  RoHS COMPLIANT 2002/95/EC  ETLus  FC  LED○RITE

# Filament LED™ Light Bulb

## AXP-SQ-7-W01-E26

AXP Lighting Filament LED™ Light Bulb is an ideal energy saving choice for residential and commercial applications.

## Product Data

- ### General Characteristics

| | |
|---|---|
| Cap-Base | E26 |
| Rated Avg. Life (Hours) | 25000 hrs |
| Materials | Aluminum + PC |
| Cover | Glass |
| Base color | White |

- ### Light Technical Characteristics

| | |
|---|---|
| Beam Angle | >280° |
| Color Temperature | 2800K |
| Approximate Lumens | 810 Lm |
| CRI/RA | > 80 |
| IP Degree | IP20 |

- ### Approval & Certificates

| | | |
|---|---|---|
| UL certificate | | Yes |
| CE marking | | Yes |
| RoHS | | Yes |
| ERP | | Yes |
| PSE | | Yes |
| ENERGY STAR | | Yes |

- ### Electrical Characteristics

| | |
|---|---|
| Wattage | 7 W |
| AC Voltage | 120 V |
| Line Frequency | 50/60 Hz |
| Power Factor | > 0.5 |
| Dimmable | No |

- ### Temperature Characteristics

| | |
|---|---|
| T-case maximum | 49 C |
| Operating temperature (min to max)  C | -30  to  45 C |
| T-Storage (min to max)  C | -40  to  65 C |

- ### Product Dimensions

| | |
|---|---|
| Width A1 | 60.5 mm |
| Height A2 | 110 mm |

- ### Warranty

| | |
|---|---|
| Under normal operating conditions (3 to 12 hrs/day) | 5 yrs |

## Packing and Drawing

| Product Number | AXP-SQ-7-W01-E26 |
|---|---|
| Dimension | Ø 60.5mmx110mm |
| Weight | 75 g |
| Packing | 100pcs / carton |
| CTN Size | 645mmx322mmx260mm |
| G.W./N.W. | 8kg/7.5kg |

**AXP Lighting Inc.**
Accelerate the adoption of solid state lighting in the mankind.
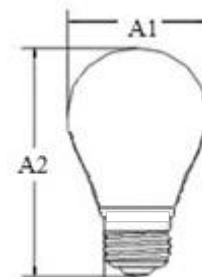
# Filament LED™ Dimmable Light Bulb

### AXP-SQ-5-W01-E26-D

AXP Lighting Filament LED™ Dimmable Light Bulb is an ideal energy saving choice for residential and commercial applications.

## Product Data

- ### General Characteristics

| | |
|---|---|
| Cap-Base | E26 |
| Rated Avg. Life (Hours) | 25000 hrs |
| Materials | Aluminum + PC |
| Cover | Glass |
| Base color | White |

- ### Light Technical Characteristics

| | |
|---|---|
| Beam Angle | >280° |
| Color Temperature | 2700K |
| Approximate Lumens | 500 Lm |
| CRI/RA | > 80 |
| IP Degree | IP20 |

- ### Approval & Certificates

| | | |
|---|---|---|
| UL certificate | | Yes |
| CE marking | | Yes |
| RoHS | | Yes |
| ERP | | Yes |
| PSE | | Yes |
| ENERGY STAR | | Yes |

- ### Electrical Characteristics

| | |
|---|---|
| Wattage | 5 W |
| AC Voltage | 120 V |
| Line Frequency | 60 Hz |
| Power Factor | > 0.5 |
| Dimmable | Yes |

- ### Temperature Characteristics

| | |
|---|---|
| T-case maximum | 120 F |
| Operating temperature (min to max) | -22 to 113 F |
| T-Storage (min to max) | -40 to 149 F |

- ### Product Dimensions

| | |
|---|---|
| Width A1 | 2.37 in |
| Height A2 | 4.33 in |

- ### Warranty

| | |
|---|---|
| Under normal operating conditions (3 to 12 hrs/day) | 5 yrs |

## Packing and Drawing

| Product Number | AXP-SQ-5-W01-E26-D |
|---|---|
| Dimension | Ø 2.37inx4.33in |
| Weight | 2.65 oz |
| Packing | 100pcs / carton |
| CTN Size | 25.4inx12.7inx10.2in |
| G.W./N.W. | 17.6lb/16.5lb |
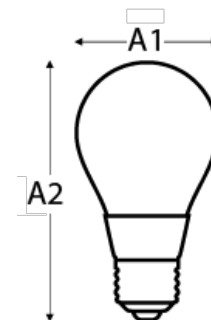
# Filament LED™ Dimmable Candle Light Bulb

### AXP-SZ-4-W01-E12-D

AXP Lighting Filament LED™ Dimmable Candle Light Bulb is an ideal energy saving choice for residential and commercial applications.

## Product Data

- ### General Characteristics

| | |
|---|---|
| Cap-Base | E12 |
| Rated Avg. Life (Hours) | 25000 hrs |
| Materials | Aluminum + PC |
| Cover | Glass |
| Base Color | White |
| Dimmable | Yes |

- ### Light Technical Characteristics

| | |
|---|---|
| Beam Angle | 360 D |
| Color Temperature | 2800K |
| Approximate Lumens | 400 Lm |
| CRI/RA | > 80 |
| IP Degree | IP20 |

- ### Approval & Certificates

| | | |
|---|---|---|
| UL certificate | | Yes |
| CE marking | | Yes |
| RoHS | | Yes |
| ERP | | Yes |
| PSE | | Yes |
| ENERGY STAR | | Yes |

- ### Electrical Characteristics

| | |
|---|---|
| Wattage | 4 W |
| AC Voltage | 120 V |
| Line Frequency | 50/60 Hz |
| Power Factor | > 0.5 |
| Driving Power | Constant current power Supply |

- ### Temperature Characteristics

| | |
|---|---|
| T-case maximum | 49 C |
| Operating temperature (min to max) C | -30 to 45 C |
| T-Storage (min to max) C | -40 to 65 C |

- ### Product Dimensions

| | |
|---|---|
| Width A1 | 35.5 mm |
| Height A2 | 120 mm |

- ### Warranty

| | |
|---|---|
| Under normal operating condition | 5 yrs |

## Packing and Drawing

| Product Number | AXP-SZ-4-W01-E12-D |
|---|---|
| Dimension | Ø 35.5mmx120mm |
| Weight | 24.4 g |
| Packing | 100pcs / carton |
| CTN Size | 375mmx202mmx290mm |
| G.W./N.W. | 2.5kg/2.44kg |

**AXP Lighting Inc.**
Accelerate the adoption of solid state lighting in the mankind.
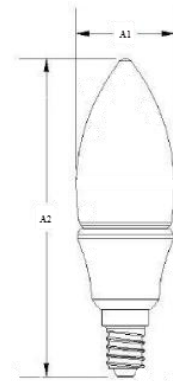
# Filament LED™ Dimmable Chandelier Light Bulb

## AXP-SL-4-W01-E12-D

AXP Lighting Filament LED™ Dimmable Chandelier Light Bulb is an ideal energy saving choice for residential and commercial applications.

## Product Data

### General Characteristics

| | |
|---|---|
| Cap-Base | E12 |
| Rated Avg. Life (Hours) | 25000 hrs |
| Materials | Aluminum + PC |
| Cover | Glass |
| Base Color | White |
| Dimmable | Yes |

### Light Technical Characteristics

| | |
|---|---|
| Beam Angle | 360 D |
| Color Temperature | 2800K |
| Approximate Lumens | 400 Lm |
| CRI/RA | > 80 |
| IP Degree | IP20 |

### Approval & Certificates

| | | |
|---|---|---|
| UL certificate | | Yes |
| CE marking | | Yes |
| RoHS | | Yes |
| ERP | | Yes |
| PSE | | Yes |
| ENERGY STAR | | Yes |

### Electrical Characteristics

| | |
|---|---|
| Wattage | 4 W |
| AC Voltage | 120 V |
| Line Frequency | 50/60 Hz |
| Power Factor | > 0.5 |
| Driving Power | Constant current power Supply |

### Temperature Characteristics

| | |
|---|---|
| T-case maximum | 49 C |
| Operating temperature (min to max) C | -20 to 45 C |
| T-Storage (min to max) C | -30 to 65 C |

### Product Dimensions

| | |
|---|---|
| Width A1 | 35.5 mm |
| Height A2 | 145 mm |

### Warranty

| | |
|---|---|
| Under normal operating condition | 5 yrs |

## Packing and Drawing

| Product Number | AXP-SL-4-W01-E12-D |
|---|---|
| Dimension | Ø 35.5mmx145mm |
| Weight | 23.5 g |
| Packing | 100pcs / carton |
| CTN Size | 395mmx202mmx290mm |
| G.W./N.W. | 2.65kg/2.35kg |

| Catalog Number | LTP30 |
|---|---|
| Description | Directional Lighting |
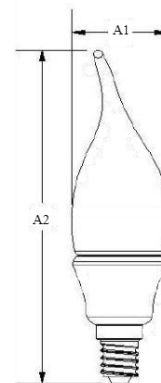
# PAR-30 LED Lamps
## 13W, Dimmable

## Product Specifications

## Certifications

ENERGY STAR  
c UL us LISTED E332478  
5 YEAR UNITED WARRANTY  
LED lighting facts LED Product Partner

**Electrical System:**

**Input Voltage:** 120VAC

**Power Consumption:** 13W

**Power Factor:** >=0.9

## FEATURES & BENEFITS:

- Up to 90% Energy Savings Vs Halogen PAR30
- High quality CREE COB LED chip set
- 10% ~100% Dimmable design
- Rated Life : >25,000 hours
- Energy Star and UL listed
- Directly replacement of 75W incandescent light

## Applications :

- Shop lighting
- Commercial lighting
- Boutique lighting
- Illumination lighting
- Hotel lighting

**Cautions:**
- Not to use in totally enclosed fixtures

Tested in accordance with IESNA LM-79 standards

**Dimensions**
**E26 base :** 3.75" (dia) x 4.64" (L)

**Lumen Output :**

**13W** - 815 lumen(Norminal), 63lm/W

**Warranty**
Five-year warranty.

**Operating Temperature:** -4 F to 86 F (-20 to 30 C)
**Color Temperature (TYP.):** 2700K/3000K/3500K/4000K/5000K
**CRI :** >=80

**Note:** Specifications subject to change without notice. Actual performance may differ as a result of end user environment and application.

## ORDERING INFORMATION

| MODEL | SIZE | COLOR | WATTAGE | BEAM ANGLE | | |
|---|---|---|---|---|---|---|
| LTP | 30 | **27 -** 2700K<br>**30 -** 3000K<br>**35 -** 3500K<br>**40 -** 4000K<br>**50 -** 5000K | **13 -** 13W, Dimmable | **015** - 15<br>**025** - 25<br>**040** - 40<br>**100** - 100 | | |

**EXAMPLE :** LTP304013100 (PAR30, E26 Base, 4000K, 13W, 100 degree beam angle)

# PAR-38 LED Lamps
## 17W, Dimmable

## Product Specifications

## Certifications

**Electrical System:**

**Input Voltage:** 120VAC

**Power Consumption:** 17W

**Power Factor:** >=0.9

## FEATURES & BENEFITS:

- Up to 90% Energy Savings Vs Halogen PAR30
- High quality CREE COB LED chip set
- 10% ~100% Dimmable design
- Rated Life : >25,000 hours
- Energy Star and UL listed
- Directly replacement of 150W incandescent light

## Applications :

- Shop lighting
- Commercial lighting
- Boutique lighting
- Illumination lighting
- Hotel lighting

**Lumen Output :**

**17W** - 1200 lumen(Norminal), 68lm/W

**Cautions:**
- Not to use in totally enclosed fixtures

Tested in accordance with IESNA LM-79 standards

**Dimensions**
**E26 base :** 5.08" (dia) x 4.64" (L)

**Operating Temperature:** -4 F to 86 F (-20 to 30 C)
**ColorTemperature (TYP.):** 2700K/3000K/3500K/4000K/5000K
**CRI :** >=80

**Warranty**
Five-year warranty.

**Note:** Specifications subject to change without notice. Actual performance may differ as a result of end user environment and application.

## ORDERING INFORMATION

| MODEL | SIZE | COLOR | WATTAGE | BEAM ANGLE | | |
| --- | --- | --- | --- | --- | --- | --- |
| LTP | 38 | 27 - 2700K<br>30 - 3000K<br>35 - 3500K<br>40 - 4000K<br>50 - 5000K | 17 - 17W, Dimmable | 015 - 15<br>025 - 25<br>040 - 40<br>100 - 100 | | |

**EXAMPLE :** LTP384017100 (PAR30, E26 Base, 4000K, 13W, 100 degree beam angle)

| Catalog Number | PAR38 |
| Description | Directional Lighting |

# PAR-38 LED Lamps

## Product Specifications

## FEATURES & BENEFITS:

- Up to 90% Energy Savings Vs Halogen PAR38
- Proprietary high density pure aluminum thin blades design, derived from aerospace and military technology, effectively draw damaging heat away from LEDs
- Proprietary Driver designed for optimal thermal Management
- Very tight color binning for lamp to lamp consistency
- Rated Life : 50,000 hours
- Available for both non-dim-able and dim-able
- UV and IR free
- RoHS Compliant - Mercury free and Lead free
- IP68 certified for outdoor applications

## Applications :

- Shop lighting
- Commercial lighting
- Boutique lighting
- Illumination lighting
- Hotel lighting

### Lumen Output :

**XML:** 2750 lumens (TW); 2480 lumens (NW); 1880 lumens (WW)
**XTE:** 2850 lumens (TW); 2500 lumens (NW); 2050 lumens (WW)

**Operating Temperature:** -4 F to 104 F (-20 to 40 C)
**Color Temperature (TYP.):** (TW)-6500K; (NW)-4100K; (WW)-3100K
**Lens:** Optics PMMA
**CRI:** 80

## Global Certifications & Patents

**Electrical System:**

**Input Voltage:** 100~240VAC (non-dimmable)
 100~130 VAC or 220~240 VAC (dimmable)
**Power Consumption:** 30W
**Power Factor:** >=0.9

**Cautions:**
- Not to use in totally enclosed fixtures

Tested in accordance with IESNA LM-79 standards

**Dimensions**
E26 base : 4.72" (dia) x 6.00" (L)

**Warranty**
Three-year limited warranty.

**Note:** Specifications subject to change without notice. Actual performance may differ as a result of end user environment and application.

## ORDERING INFORMATION

| MODEL | BASE | COLOR | WATTAGE | BEAM ANGLE | | CHIP SET | VERSION |
|-------|------|-------|---------|-----------|---|----------|---------|
| **P03** | **E** -E26 - US | **T** -TRUE WHITE<br>**N** -NATURAL WHITE<br>**W** -WARM WHITE<br>**K** -WARM WHITE(2200k) | **030** -30W, NON-DIM<br>**130** -30W, DIM-ABLE | **A**- 15<br>**E** - 25<br>**F** - 38<br>**G**- 60 | **J** - 100 | **C** -CREE | **72**-XML<br>**73**-XTE |

**EXAMPLE :** P03EW130JC72  (PAR38,  E26 Base, Warm White, 30W, Dim-able, 100 degree beam angle, CREE XML chipset)

See page 2 for photometric data     *Page 1 of 2*