



## T8 Type B LED T8 Lamps: Glass & Plastic

### HIGHLIGHTS

- LED T8 Type B lamps easily replaces existing T8 fluorescent lamps by bypassing the existing fluorescent ballast and wiring directly to line voltage
- Internal LED driver means no need to replace a ballast resulting in long-term maintenance savings
- No socket changes; uses shunted or non-shunted sockets, for applicable single or double-ended applications
- Instantaneous full light output upon power-up
- Wide illumination angle provides up to 330° of light distribution
- Glass material for better light transmission (glass models)
- Plastic (polycarbonate) material for durability and reduced breakage (plastic models)
- Frosted lens reduces visual glare
- Plastic models meet the requirements for NSF; aiding as a component to a NSF lighting system
- FieldCCeT models provide the ability to select between 2700 to 5000K (120-277V) or 3000 to 6500K (120-347V), all in one lamp

### CERTIFICATIONS

- UL Certified for US & Canada
- FCC Compliant
- RoHS Compliant
- ICES-005 Compliant
- Damp Location
- DesignLights Consortium® Qualified - meets DLC requirements for efficacy and lumen maintenance

### PERFORMANCE

- High efficacy, up to 173 lm/W
- Available in single CCT models: 3500, 4000, 5000K or FieldCCeT models: (field-selectable CCT 30/35/40/50/6500K)
- CRI: >82
- 330° illumination angle, with a beam angle of 210° for glass and up to 180° for plastic
- Rated Life 70: >50,000 hours

### ELECTRICAL

- Input voltage: 120-277V or 120-347V, 50/60Hz
- Built-in surge protection up to 1KV
- Power Factor: >0.9
- THD: <20%

### THERMAL

- -4°F to 113°F (-20°C to 45°C) operating temperature
- Not recommended for air-tight fixtures

### CONSTRUCTION

- Available in 2', 3', 4" and 8' lengths
- Frosted glass lens provides optimal heat dissipation (glass models)
- Polycarbonate lens for durability (plastic models)
- G13 bi-pin, FA8 and R17D base options

### WARRANTY

- 5-Year limited warranty available [online](#). Contact your EiKO sales rep for additional details.

## KEY FEATURES

### NO BALLAST REQUIRED

Eliminate the ballast with a simple installation using shunted or non-shunted sockets for single or double-ended install

### SHATTER RESISTANT & NSF

Polycarbonate lamps meet the requirements for NSF; aiding as a component to a NSF lighting system and reduces breakage

### FIVE COLOR TEMPERATURES IN ONE

FieldCCeT models (one SKU providing 3000K, 3500K, 4000K, 5000K, and 6500K CCT) allows you to reduce your inventory while providing more flexibility to your customers

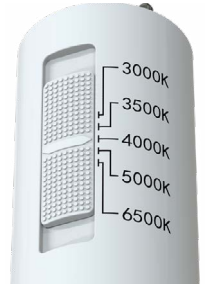
### WIDER BEAM, MORE LIGHT

Wide illumination angle provides 330° of light distribution

|                |         |
|----------------|---------|
| project name   | type    |
| catalog number | voltage |
| approved by    | date    |



T8 Type B Glass G13 Lamps  
Available in 2', 3' and 4' lengths



FieldCCeT Models  
also available



T8 Type B Plastic FA8 Lamps  
Available in 8' lengths



T8 Type B Plastic G13 Lamps  
Available in 8' lengths

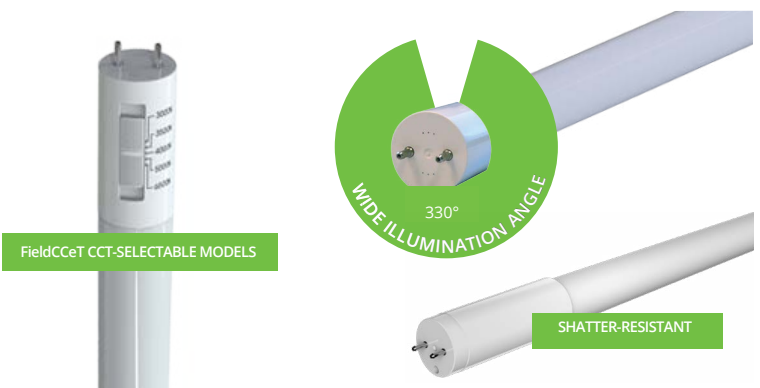


T8 Type B Plastic R17D Lamps  
Available in 8' lengths



### APPLICATIONS

- Office
- Hospital
- Classroom
- Hotel
- Retail
- Warehouse
- Stairwell
- Hallway
- Production
- Gym
- Campus



## AVAILABLE MODELS\*

| ORDER CODE       | ITEM #                  | WATTS | LUMENS | CCT*           | EFFICACY (lm/W) | INPUT VOLTAGE | ILLUMINATION ANGLE | SINGLE + DOUBLE-ENDED | TRADITIONAL WATTAGE EQUIVALENT | DLC ID#      |
|------------------|-------------------------|-------|--------|----------------|-----------------|---------------|--------------------|-----------------------|--------------------------------|--------------|
|                  |                         |       |        |                |                 |               |                    |                       |                                | STANDARD     |
| <b>GLASS</b>     |                         |       |        |                |                 |               |                    |                       |                                |              |
| <b>2' LENGTH</b> |                         |       |        |                |                 |               |                    |                       |                                |              |
| 12949            | L9WT8/24/BSDG/835       | 9     | 1100   | 3500           | 122             | 120-277       | 330°               | Single + Double-ended | 17W Fluorescent                | S-T6LHX9     |
| 12946            | L9WT8/24/BSDG/840       | 9     | 1150   | 4000           | 127             | 120-277       | 330°               | Single + Double-ended | 17W Fluorescent                | S-S29Y48     |
| 12930            | L9WT8/24/BSDG/850       | 9     | 1150   | 5000           | 127             | 120-277       | 330°               | Single + Double-ended | 17W Fluorescent                | S-43VOY6     |
| 12937            | L9WT8/24/BSDG/FCCT      | 9     | 1150   | 30/35/40/50/65 | 127             | 120-277       | 330°               | Single + Double-ended | 17W Fluorescent                | S-KR01YN     |
| 15191            | L9WT8/24/BSDG/H/FCCT    | 9     | 1200   | 27/30/35/40/50 | 133             | 120-347       | 330°               | Single + Double-ended | 17W Fluorescent                | S-04BWZD     |
| <b>3' LENGTH</b> |                         |       |        |                |                 |               |                    |                       |                                |              |
| 12927            | L12WT8/36/BSDG/835      | 12    | 1400   | 3500           | 116             | 120-277       | 330°               | Single + Double-ended | 25W Fluorescent                | S-C1XR5N     |
| 12928            | L12WT8/36/BSDG/840      | 12    | 1450   | 4000           | 120             | 120-277       | 330°               | Single + Double-ended | 25W Fluorescent                | S-YWUMT2     |
| 12935            | L12WT8/36/BSDG/850      | 12    | 1450   | 5000           | 120             | 120-277       | 330°               | Single + Double-ended | 25W Fluorescent                | S-BGUK21     |
| 12951            | L12WT8/36/BSDG/FCCT     | 12    | 1450   | 30/35/40/50/65 | 120             | 120-277       | 330°               | Single + Double-ended | 25W Fluorescent                | S-RU00XZ     |
| 15193            | L12WT8/36/BSDG/H/FCCT   | 12    | 1600   | 27/30/35/40/50 | 133             | 120-347       | 330°               | Single + Double-ended | 25W Fluorescent                | S-ZCV4SY     |
| <b>4' LENGTH</b> |                         |       |        |                |                 |               |                    |                       |                                |              |
| 12942            | L9.5WT8/48/BSDG/835     | 9.5   | 1600   | 3500           | 168             | 120-277       | 330°               | Single + Double-ended | 32W Fluorescent                | PLG3CR73ZC8Q |
| 12940            | L9.5WT8/48/BSDG/840     | 9.5   | 1650   | 4000           | 173             | 120-277       | 330°               | Single + Double-ended | 32W Fluorescent                | PLZ27QNTP3Y9 |
| 12938            | L9.5WT8/48/BSDG/850     | 9.5   | 1650   | 5000           | 173             | 120-277       | 330°               | Single + Double-ended | 32W Fluorescent                | PLZV16XPCO3X |
| 12948            | L12WT8/48/BSDG/835      | 12    | 1700   | 3500           | 141             | 120-277       | 330°               | Single + Double-ended | 32W Fluorescent                | PLI1ER915TXS |
| 12941            | L12WT8/48/BSDG/840      | 12    | 1800   | 4000           | 150             | 120-277       | 330°               | Single + Double-ended | 32W Fluorescent                | PLR44UNH947M |
| 12947            | L12WT8/48/BSDG/850      | 12    | 1800   | 5000           | 150             | 120-277       | 330°               | Single + Double-ended | 32W Fluorescent                | PLS988U88401 |
| 12933            | L14WT8/48/BSDG/FCCT     | 14    | 1800   | 30/35/40/50/65 | 128             | 120-277       | 330°               | Single + Double-ended | 32W Fluorescent                | S-SI3T7L     |
| 12931            | L15WT8/48/BSG/840       | 15    | 1800   | 4000           | 120             | 120-277       | 330°               | Single-ended          | 32W Fluorescent                | P2J5PJD6     |
| 12956            | L15WT8/48/BSG/850       | 15    | 1800   | 5000           | 120             | 120-277       | 330°               | Single-ended          | 32W Fluorescent                | P5DYPYSH     |
| 12954            | L15WT8/48/BSDG/835      | 15    | 2100   | 3500           | 140             | 120-277       | 330°               | Single + Double-ended | 32W Fluorescent                | PLC635B4BHZI |
| 12936            | L15WT8/48/BSDG/840      | 15    | 2200   | 4000           | 146             | 120-277       | 330°               | Single + Double-ended | 32W Fluorescent                | PLGRXV4SCABP |
| 12958            | L15WT8/48/BSDG/850      | 15    | 2200   | 5000           | 146             | 120-277       | 330°               | Single + Double-ended | 32W Fluorescent                | PL52JOCENV2  |
| 12936            | L15WT8/48/BSDG/840      | 15    | 2200   | 4000           | 146             | 120-277       | 330°               | Single + Double-ended | 32W Fluorescent                | PLGRXV4SCABP |
| 12958            | L15WT8/48/BSDG/850      | 15    | 2200   | 5000           | 146             | 120-277       | 330°               | Single + Double-ended | 32W Fluorescent                | PL52JOCENV2  |
| 15195            | L10.5WT8/48/BSDG/H/FCCT | 10.5  | 1800   | 27/30/35/40/50 | 171             | 120-347       | 330°               | Single + Double-ended | 32W Fluorescent                | S-FF5BD8     |
| 15196            | L15WT8/48/BSDG/H/FCCT   | 15    | 2200   | 27/30/35/40/50 | 147             | 120-347       | 330°               | Single + Double-ended | 32W Fluorescent                | S-D6X2M6W    |
| 15577            | L18WT8-48-BSDG-840      | 18    | 2700   | 4000           | 150             | 120-277       | 330°               | Single + Double-ended | 32W Fluorescent                | Pending      |
| 15578            | L18WT8-48-BSDG-850      | 18    | 2700   | 5000           | 150             | 120-277       | 330°               | Single + Double-ended | 32W Fluorescent                | Pending      |
| 15579            | L24WT8-48-BSDG-840      | 24    | 3600   | 4000           | 150             | 120-277       | 330°               | Single + Double-ended | 32W Fluorescent                | Pending      |
| 15580            | L24WT8-48-BSDG-850      | 24    | 3600   | 5000           | 150             | 120-277       | 330°               | Single + Double-ended | 32W Fluorescent                | Pending      |

\* All FieldCCT lamps ship at 4000K CCT

| ORDER CODE       | ITEM #                   | WATTS | LUMENS | CCT* | EFFICACY (lm/W) | INPUT VOLTAGE | ILLUMINATION ANGLE | SINGLE + DOUBLE-ENDED | TRADITIONAL WATTAGE EQUIVALENT | DLC ID#         |
|------------------|--------------------------|-------|--------|------|-----------------|---------------|--------------------|-----------------------|--------------------------------|-----------------|
|                  |                          |       |        |      |                 |               |                    |                       |                                | STANDARD        |
| <b>PLASTIC</b>   |                          |       |        |      |                 |               |                    |                       |                                |                 |
| <b>2' LENGTH</b> |                          |       |        |      |                 |               |                    |                       |                                |                 |
| 13258            | L8WT8-24-BDP-840         | 8     | 1200   | 4000 | 150             | 120-277       | 330°               | Double-ended          | 17W Fluorescent                | S-LNK4FE        |
| 13259            | L8WT8-24-BDP-850         | 8     | 1200   | 5000 | 150             | 120-277       | 330°               | Double-ended          | 17W Fluorescent                | S-7WFX34        |
| <b>3' LENGTH</b> |                          |       |        |      |                 |               |                    |                       |                                |                 |
| 13261            | L9.5WT8-36-BDP-840       | 9.5   | 1400   | 4000 | 147             | 120-277       | 330°               | Double-ended          | 25W Fluorescent                | S-09MFLR        |
| 13262            | L9.5WT8-36-BDP-850       | 9.5   | 1400   | 5000 | 147             | 120-277       | 330°               | Double-ended          | 25W Fluorescent                | S-2QDIMB        |
| <b>4' LENGTH</b> |                          |       |        |      |                 |               |                    |                       |                                |                 |
| 13264            | L9.9WT8-48-BDP-840       | 9.9   | 1600   | 4000 | 161             | 120-277       | 330°               | Double-ended          | 28W Fluorescent                | S-6DPAUI        |
| 13265            | L9.9WT8-48-BDP-850       | 9.9   | 1600   | 5000 | 161             | 120-277       | 330°               | Double-ended          | 28W Fluorescent                | S-HRQM32        |
| 13267            | L14.5WT8-48-BDP-840      | 14.5  | 2100   | 4000 | 144             | 120-277       | 330°               | Double-ended          | 32W Fluorescent                | S-42IHO6        |
| 13268            | L14.5WT8-48-BDP-850      | 14.5  | 2100   | 5000 | 144             | 120-277       | 330°               | Double-ended          | 32W Fluorescent                | S-D1NPHV        |
| <b>8' LENGTH</b> |                          |       |        |      |                 |               |                    |                       |                                |                 |
| 13273            | L23.5WT8-96-BDP-840-FA8  | 23.5  | 3500   | 4000 | 148             | 120-277       | 330°               | Double-ended          | 54W Fluorescent                | S-25NK7U        |
| 13270            | L23.5WT8-96-BDP-840-G13  | 23.5  | 3500   | 4000 | 148             | 120-277       | 330°               | Double-ended          | 54W Fluorescent                | No DLC Category |
| 13274            | L23.5WT8-96-BDP-850-FA8  | 23.5  | 3500   | 5000 | 148             | 120-277       | 330°               | Double-ended          | 54W Fluorescent                | S-YRPFJ8        |
| 13271            | L23.5WT8-96-BDP-850-G13  | 23.5  | 3500   | 5000 | 148             | 120-277       | 330°               | Double-ended          | 54W Fluorescent                | No DLC Category |
| 13276            | L36.5WT8-96-BDP-840-FA8  | 36.5  | 5500   | 4000 | 150             | 120-277       | 330°               | Double-ended          | 96W Fluorescent                | S-3R1MUT        |
| 13279            | L36.5WT8-96-BDP-840-R17D | 36.5  | 5500   | 4000 | 150             | 120-277       | 330°               | Double-ended          | 96W Fluorescent                | No DLC Category |
| 13277            | L36.5WT8-96-BDP-850-FA8  | 36.5  | 5500   | 5000 | 150             | 120-277       | 330°               | Double-ended          | 96W Fluorescent                | S-7GBDJI        |
| 13280            | L36.5WT8-96-BDP-850-R17D | 36.5  | 5500   | 5000 | 150             | 120-277       | 330°               | Double-ended          | 96W Fluorescent                | No DLC Category |

\* All FieldCCT lamps ship at 4000K CCT

## COMPATIBLE EMERGENCY BATTERIES (FOR TYPE B INSTALLATION)\*\*

| ORDER CODE | ITEM #        | DESCRIPTION                     | INPUT VOLTAGE | EMERGENCY TIME | OUTPUT POWER | BACKUP LUMENS  | RECHARGE TIME | TITLE 20 |
|------------|---------------|---------------------------------|---------------|----------------|--------------|----------------|---------------|----------|
| 10361      | EMB-CP-5WBT-U | External Emergency Battery, 5W  | 120-277V      | >90 mins       | 5W           | 700            | 24 hrs        | Yes      |
| 11675      | EEBE18WHA170S | External Emergency Battery, 18W | 120-347V      | >90 mins       | 18W          | Refer to lamp* | 24 hrs        | Yes      |

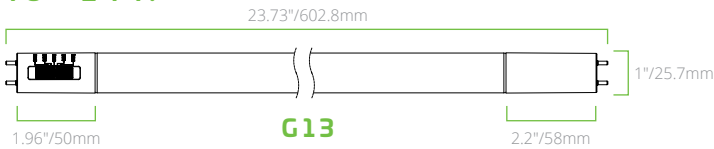
\* Refer to the lamp's lumen output for the Backup Lumens

\*\* Battery backups are NOT compatible with 8' Lamps

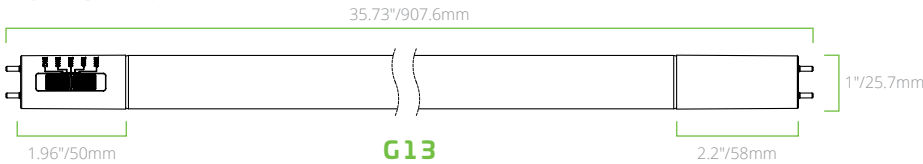
## PRODUCT DIMENSIONS

### TYPE B GLASS & PLASTIC

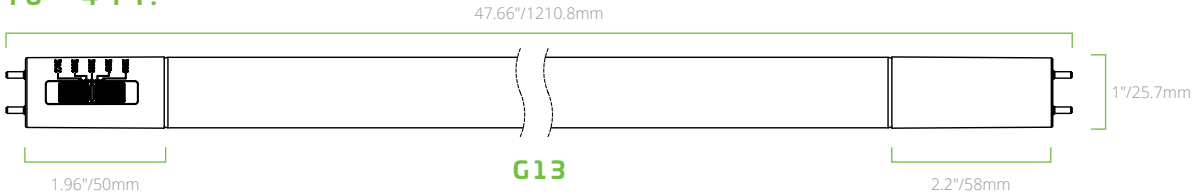
#### T8 - 2 FT.



#### T8 - 3 FT.



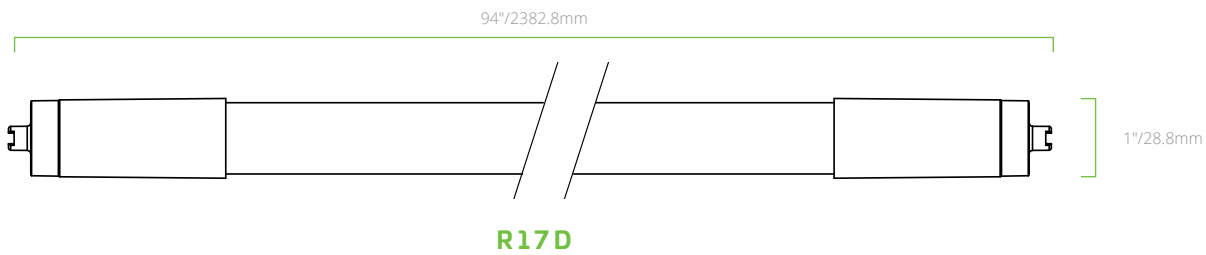
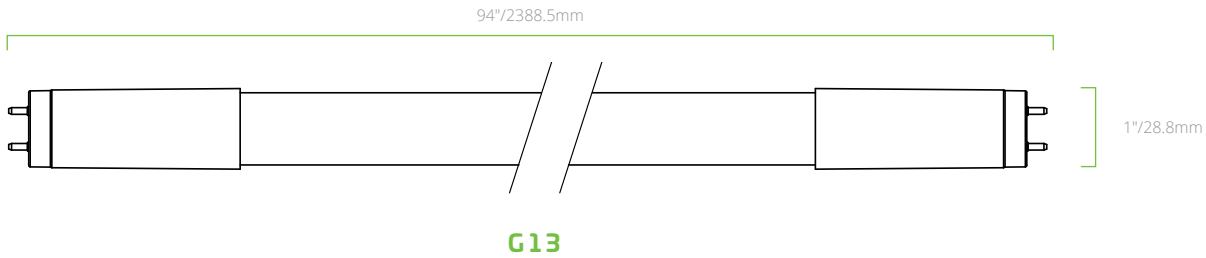
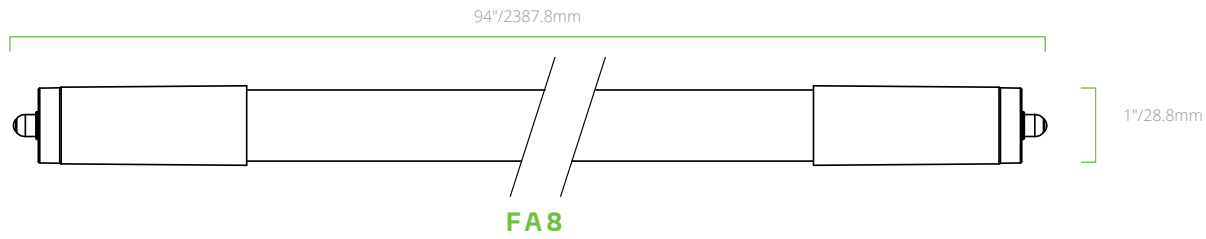
#### T8 - 4 FT.



## PRODUCT DIMENSIONS CONT'D

### TYPE B PLASTIC

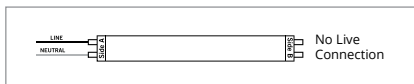
### T8 - 8 FT.



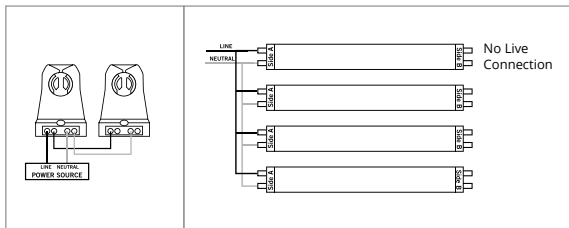
## WIRING DIAGRAMS G13 LAMPS

### SINGLE-ENDED

#### Single Lamp Installation

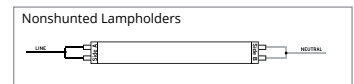
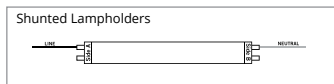


#### Multiple Lamp Installation

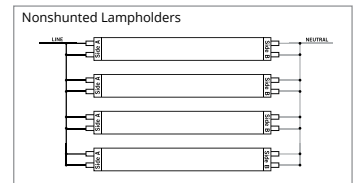
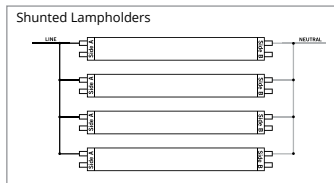


### DOUBLE-ENDED\*

#### Single Lamp Installation



#### Multiple Lamp Installation



\*Note: Both pins on each end of the lamp must be connected to line voltage as shown above. If lamp holder is a non-shunted type, it must be shunted (shorted) by external jumper.