

# T4C

## 2x2 LED Troffer

### Product Description

The contractor friendly T4C LED Troffers feature a pre-mounted driver, making installation easier than ever before. A maintenance-free, fully sealed chamber keeps out bugs and dust. The precision-engineered textured diffuser allows for optimal uniformity, without revealing hot spots or shadowing, while maintaining overall lumen output. Available in 1'x4', 2'x2', and 2'x4' dimensions, the T4C LED Troffers fit easily into standard ceiling grids, making them ideal for installation in both new construction and retrofit projects alike.

#### Construction

- Durable steel construction with powder coat finish
- High efficiency, fully sealed, maintenance-free LED chamber
- Smooth formed sides for safe handling
- Suitable for use in clean room applications.\*

#### Optical System

- Precision engineered textured polystyrene diffuser; high reflectivity paint
- No visible diodes, hot-spots, or shadows providing high uniformity, and reduced glare

#### Electrical

- Qualifies for DLC Premium
- Long-life LED system coupled with electrical driver to deliver optimal performance with 115+ lumens per watt depending on fixture size and CCT
- Driver delivers full-range dimming from 0 - 10VDC; Output source current of 1mA
- Inrush current of 30 amps
- 4kV surge protection standard
- Meets FCC 15 PartB: 2016 Class A requirements
- Operating temperature rating of 0°F to 100°F (-18°C to 38°C)
- Input voltage of 120-277VAC

#### Mounting and installation

- Features a pre-mounted driver for contractor friendly installation
- Jbox has increased volume for wiring with two access plates for low voltage and line voltage wiring
- Can be installed in conventional suspended grid ceiling or drywall with an optional adaptor
- Mounting holes provided for seismic wire
- Certified for direct contact with insulation

#### Finish

- Integrated trim in white with powder coat finish

#### Options

- Drywall adaptor/flange kit (FK22) available for 1x4, 2x2, and, 2x4 fixtures
- Surface Mount Kit (SK22) converts T4C Series troffers into surface mount luminaires
- Emergency Battery Backup Kit available for all sizes

#### Warranty

### PRODUCT INFORMATION

|  |                            |
|--|----------------------------|
| LED Lifetime Calculated:                       | >36,000 Hours              |
| LED Lifetime Projected:                        | >136,000 Hours             |
| Input Voltage:                                 | 120-277V                   |
| Fixture Dimensions (w/ driver mounted) (LxWxH) | 23.7 in x 23.7 in x 2.5 in |

### Ordering Information

| Series | Size         | Voltage       | CCT's       | EM (Optional)          |
|--------|--------------|---------------|-------------|------------------------|
| T4C    | 22 (2' x 2') | MV (120-277V) | 35 (3500 K) | EM (Emergency Battery) |
|        |              |               | 40 (4000 K) |                        |
|        |              |               | 50 (5000 K) |                        |

All reports based on current industry standards; field performance may differ from laboratory performance. Specifications and dimensions subject to change without notice.

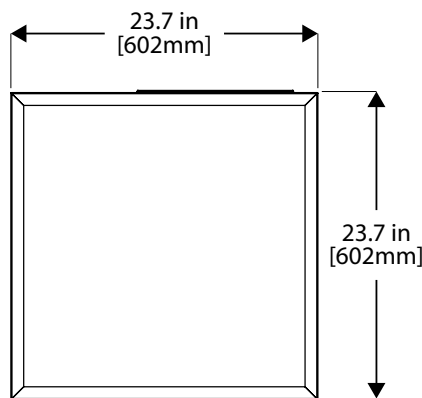
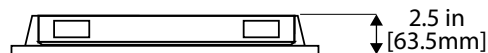
\*No accepted standard exists for specific cleanroom classifications. It is the responsibility of the lighting engineer/designer to carefully evaluate the fixture against the installation requirements.

Project \_\_\_\_\_

Catalog \_\_\_\_\_

Type \_\_\_\_\_

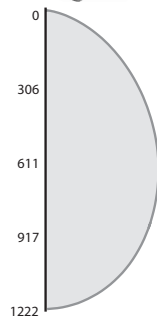
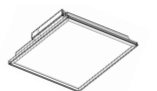
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# Photometric Data - Type C Goniophotometer

## 3500K T4C 2X2

|                             |         |
|-----------------------------|---------|
| Luminaire                   | 3500K   |
| Input Voltage (VAC)         | 120-277 |
| System Level Power (W)      | 28.93   |
| Delivered Lumens (Lm)       | 3331    |
| System Efficacy (Lm/W)      | 115.1   |
| Correlated Color Temp (K)   | 3422    |
| Color Rendering Index (CRI) | 85      |

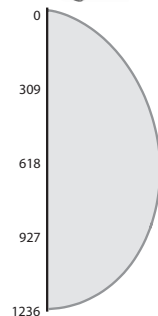
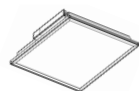


### Zonal Lumen Summary\*\*

| Zone   | Lumens | % of Luminaire |
|--------|--------|----------------|
| 0-30   | 939    | 28%            |
| 0-40   | 1522   | 46%            |
| 0-60   | 2714   | 79%            |
| 0-90   | 3331   | 100%           |
| 90-180 | 0      | 0%             |
| 0-180  | 3331   | 100%           |

## 4000K T4C 2X2

|                             |         |
|-----------------------------|---------|
| Luminaire                   | 4000K   |
| Input Voltage (VAC)         | 120-277 |
| System Level Power (W)      | 28.93   |
| Delivered Lumens (Lm)       | 3368    |
| System Efficacy (Lm/W)      | 116.4   |
| Correlated Color Temp (K)   | 4025    |
| Color Rendering Index (CRI) | 85      |

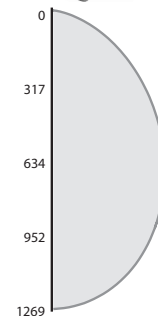


### Zonal Lumen Summary\*\*

| Zone   | Lumens | % of Luminaire |
|--------|--------|----------------|
| 0-30   | 950    | 28%            |
| 0-40   | 1539   | 46%            |
| 0-60   | 3192   | 79%            |
| 0-90   | 3368   | 100%           |
| 90-180 | 0      | 0%             |
| 0-180  | 3368   | 100%           |

## 5000K T4C 2X2

|                             |         |
|-----------------------------|---------|
| Luminaire                   | 5000K   |
| Input Voltage (VAC)         | 120-277 |
| System Level Power (W)      | 28.93   |
| Delivered Lumens (Lm)       | 3458    |
| System Efficacy (Lm/W)      | 119.5   |
| Correlated Color Temp (K)   | 4890    |
| Color Rendering Index (CRI) | 85      |



### Zonal Lumen Summary\*\*

| Zone   | Lumens | % of Luminaire |
|--------|--------|----------------|
| 0-30   | 975    | 28%            |
| 0-40   | 1580   | 46%            |
| 0-60   | 2742   | 79%            |
| 0-90   | 3458   | 100%           |
| 90-180 | 0      | 0%             |
| 0-180  | 3458   | 100%           |