# Alphalite Inc.

## VOLUMETRIC LED TROFFER

**STL Series**
Panels and Troffers

### DESCRIPTION

The STL architectural LED Troffer series combines the benefits of long life, controllability, and energy savings with elegant design and superior quality of light. The STL luminaires optimize LED optics and electronics to deliver energy savings and high performance.

### APPLICATION

Indoor general/ambient illumination. Ideal for offices, schools, retail, and other architectural spaces that demand energy demand reduction and high quality light.

### SPECIFICATION FEATURES

**Construction**
Rugged construction: solid die-formed, cold-rolled steel. Interior utilizes highly reflective powder coat finish. All surfaces coated and baked post-fabrication with high gloss powder-paint. Diffuser lens provides even and consistent light while eliminating pixelation. Driver are replaceable. Housing and optics maintain damp location rating with all internal components.

**Electrical**
Luminaire utilizes long life, high efficacy LEDs and a highly efficient, reliable LED driver. 120-277V input voltage for increased versatility. 0-10V continuous dimming comes standard. Comes equipped with quick disconnect for compliance with US code

**Mounting**
Installs recessed with T-bar grid. Surface mount and flange mount kit available as options.

**Finish**
Highly reflective powder coat finish. Baked white matte paint, applied after fabrication.

**Optics**
Precision formed optical assembly with positively retained high optical grade acrylic lenses deliver a comfortable mix of light to working and surrounding surfaces, creating balanced illumination throughout the environment. Occupants can realize a productive and comfortable atmosphere through enhanced light quality and distribution.

**Certifications / Regulatory**
UL/cUL listed. Damp location rated. All components used have UL approval. UL Class 2 Power supply: SCP, OTP, OVP protection, FCC Part 15 Class B, UL8750 Class 2. DLC Premium listed.

**Warranty**
7-year limited warranty. See complete warranty terms for details.

### Quick Ship Product

STL-22A/8A

STL-24A/8A

## ORDERING INFORMATION

**Sample Number: STL-24A/8A**

| STL | 24 | A | 8 | A | (Blank) | (Blank) |
|---|---|---|---|---|---|---|
| **Series** | **Form Factor** | **Lumen Package** | **CRI** | **CCT** | **Input Voltage** | **Dimming** |
| **STL** - Volumetric LED Troffer | **22** - 2'x2' <br> **24** - 2'x4' | **A** - Adjustable Wattage <br> *See energy data for details | **8** - 82+ CRI | **A** - 5000/4000/3500K Adjustable | **(Blank)** - 120-277V <br> **C** - 120-347V | **(Blank)** - 1-10V Continuous Dimming |

### Options

**Accessories**
**FLK** - Flange kit
**SMK** - Surface mount kit

**Driver Options**
**CT** - Cold temperature driver, -40°F-131°F( -40°C-55°C )

**Emergency Backup**
(Lumen will maintain over the 90-minute duration)
**EM1000** - 1000lm
**EM1800** - 1800lm

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## SUMMARY

| | |
|---|---|
| Input Voltage | 120-277V |
| Input Power | See energy data for details |
| Power Factor | > 0.95 |
| THD (Max.) | 20% |
| Efficacy | > 125 LPW |
| Delivered Lumens | See energy data for details |
| Controls/ Dimming | 1-10V dimming standard |
| Dimming Range | 10-100% |
| CRI | > 83 |
| CCT | 3500/4000/5000K Selectable |
| Operating Temp. | -4ºF ~ 133ºF (-20ºC ~ +55ºC) |
| Rated Life | 70,000 hours |

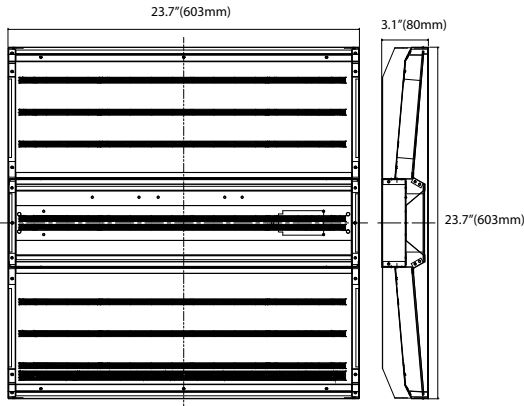## ENERGY PERFORMANCE DATA

| Form Factor | Part No. | Rated Wattage (W) | Tested Wattage (W) | Delivered Lumens (lm) | Efficacy (lm/W) |
|---|---|---|---|---|---|
| 2'x2' | STL-22A/8A | 35/25/20 | 35/25/20 | 4375/3125/2500 | 125 |
| 2'x4' | STL-24A/8A | 46/36/28 | 46/36/28 | 5750/4500/3500 | 125 |

## PHYSICAL PARAMETERS

### DIMENSION

STL-22



STL-24