Alphalite Inc.

VOLUMETRIC LED TROFFER

STL-S Series
Panels and Troffer

DESCRIPTION

The STL architectural LED Panel series combines the benefits of long life, controllability, and energy savings with elegant design and superior quality of light. The STL luminaire 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.

7 YEAR WARRANTY • **c(UL)us LISTED** • **Wireless Control Enabled**

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. 120-347V 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
cULus listed for dry and damp locations rated, IC rated.

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

Quick Ship Product

ORDERING INFORMATION

Sample Number: STL-22(30/25/18/15S)/8A-C-SR

Series	Length	Lumen Package		CRI
STL - Volumetric LED Panel	**22 -** 2'x2' **24 -** 2'x4'	**2'x2'** **STL-22(30/25/18/15S)** - 30/25/18/15W, 4200/3500/2520/2100lm	**2'x4'** **STL-24(41/34/28/20S)** - 41/34/28/20W, 5740/4760/3920/2800lm	**8 -** 80CRI **9 -** 90CRI option

CCT	Input Voltage	Sensor Ready	Control Option	Emergency Backup
A - CCT Adjustable (5000/4000/3500/3000/2700K)	**C -** 120-347V **480 -** 480V	**(Blank) -** without AUX **SR -** Sensor Ready Connector for control option	**OS -** Occupancy, PIR, daylight and daylight harvesting sensor, field install in 5 seconds (Configuration tool required) **OS-BLE -** Wireless Bluetooth mesh and occupancy PIR sensor, field install in 5 seconds	**EM8W -** 8W constant power with integrated self-diagnostic test, with LECP flat test switch **EM15W -** 15W constant power with integrated self-diagnostic test, with LECP flat test switch

Accessories

BFPL-ACC-22/24 - 10' Aircraft cable suspension mount kit
FLK - Flange kit
SMK - Surface Mount Kit

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SUMMARY

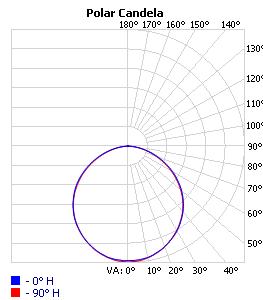|	
Input Voltage	120-347V
Input Power	See energy data for details
Power Factor	> 0.95
THD (Max.)	< 20%
Efficacy	140 LPW
Delivered Lumens	See energy data for details
Controls/ Dimming	0-10V dimming standard
Dimming Range	10-100%, Dim to off
CRI	> 80
CCT	2700/3000/3500/4000/5000K Selectable
Operating Temp.	-4°F~122°F (-20°C~50°C)
Rated Life	70,000 hours

ENERGY PERFORMANCE DATA

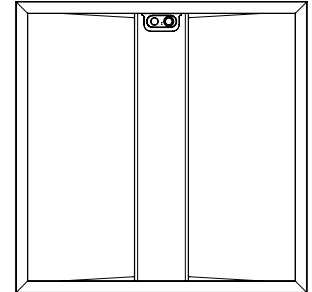| Form Factor	Part No.	Rated Wattage (W)	Delivered Lumens (lm)	Efficacy (lm/W)
2'x2'	STL-22(30/25/18/15S)/8A-C-SR	30/25/18/15	4200/3500/2520/2100	140
2'x4'	STL-24(41/34/28/20S)/8A-C-SR	41/34/28/20	5740/4760/3920/2800	140

*The delivered lumens above are based on highest wattage and 4000K.
**Default setting at time of shipping are highest wattage and highest CCT.
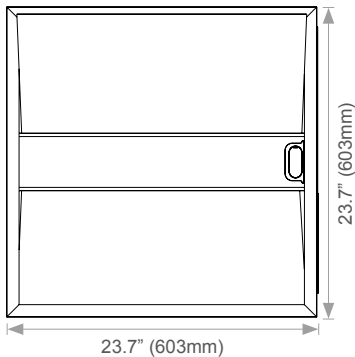
OPTICS

Beam Angle 110°x110°

Polar Candela

- ■ 0° H
- ■ 90° H

SENSOR READY WITH SENSOR

DIMENSION

STL-22

23.7" (603mm)

23.7" (603mm)

STL-24

23.7" (603mm)

47.7" (1213mm)

1.3" (34.1mm)