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.

0-10V Continuous DIMMING

7 YEAR WARRANTY

UL

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. 120V-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 Standard listed.

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

Quick Ship Product

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'	**A** - Adjustable Wattage	**8** - 82+ CRI	**A** - Adjustable	**(Blank)** - 120V-277V	**(Blank)** - 0-10V Continuous Dimming
	24 - 2'x4'	*See energy data for details				

Options	
Controls	**Emergency Backup**
SMC - Smart Control System	(Lumen will maintain over the 90-minute duration)
	EM700 - 700lm
	EM1400 - 1400lm
	EM2000 - 2000lm

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SUMMARY

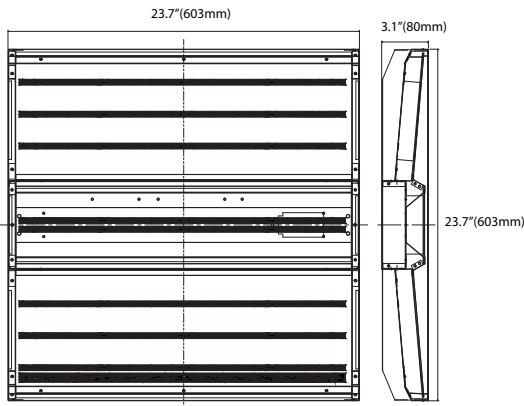|	
Input Voltage	120V-277V
Input Power	See energy data for details
Power Factor	> 0.95
THD (Max.)	20%
Efficacy	> 110 LPW
Delivered Lumens	See energy data for details
Controls/ Dimming	Full Range 0-10V dimming standard
Dimming Range	0-10V Continuous (10-100%)
CRI	> 83
CCT	Adjustable (3500K, 4000K, 5000K)
Operating Temp.	-20 ~ +55 C
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	40/30/20	40/30/20	5000/3750/2500 +/- 5%	125
2'x4'	STL-24A/8A	46/36/28	46/36/28	5750/4500/3500 +/- 5%	125

PHYSICAL PARAMETERS

DIMENSION

STL-22

23.7"(603mm)   3.1"(80mm)   23.7"(603mm)

STL-24

47.8"(1213mm)   3.1"(80mm)   23.7"(603mm)

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