Alphalite Inc.

LED Prismatic Troffer

LTS

TROFFER SERIES
LED Prismatic Troffer

2x2, 2x4

DESCRIPTION

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

APPLICATION
Indoor general/ambient illumination. Idea 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. Tool-less removal of diffuser allows access to LED array. LED module and driver are replaceable.

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. Ideal when used in conjunction with controls and sensors. Comes equipped with quick disconnect for compliance with US code

Mounting
Installs recessed with T-bar grid. LED module arrays and drivers accessible from fixture during service and operation, no need to access via plenum.

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

Optics
Volumetric effect achieved by delivering 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. Diffuser shape, pattern, and opacity designed in conjunction with precisely-engineered reflector cavity angles to distribute LED light consistently, reducing glare and pixelation.

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

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

Quick Ship Product

- LTS-24H/840
- LTS-24H/850
- LTS-22H/840
- LTS-22H/850

ORDERING INFORMATION

Sample Number: LTS-22H/840

LTS	22	H	8	40	(Blank)	(Blank)
Series	**Form Factor**	**Lumen Package**	**CRI**	**CCT**	**Input Voltage**	**Dimming**
LTS - LED Prismatic Troffer	22 - 2'x2' 24 - 2'x4'	L - Low Wattage H - High Lumen *see energy data for details	8 - 83+ CRI	35 - 3500K 40 - 4000K 50 - 5000K	(Blank) - 120V-277V 347 - 347V	(Blank) - 0-10V

Options

Controls	Emergency Backup
MMS - Integrated bi-level dimming microwave motion sensor **SMC** - Smart Control System	(Require field installation) EM700 - 700lm EM1400 - 1400lm EM2000 - 2000lm

Alphalite Inc.
10715 Springdale Ave, Suite 4, Santa Fe Springs, CA 90670
Tel: 888.287.9228 | Fax: 888.258.9183 | support@alphalite.com | alphalite.com

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SUMMARY

Input Voltage	120V-277V
Input Power	See energy data for details
Power Factor	> 0.95
THD (Max.)	20%
Efficacy	> 127 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	3500K, 4000K, 5000K
Operating Temp.	-20 ~ +55 C

ENERGY PERFORMANCE DATA

	Lumen package	Rated Wattage	Tested Wattage	Lumens	LPW
2 x 2	LTS-22H/835	42	40	5080	127
	LTS-22H/840	42	40	5120	128
	LTS-22H/850	42	40	5160	129
2 x 4	LTS-24L(34S)/835	34	34	3673	107
	LTS-24L(34S)/840	34	34	3774	111
	LTS-24L(34S)/850	34	34	3808	112
	LTS-24H/835	42	40	5080	127
	LTS-24H/840	42	40	5100	128
	LTS-24H/850	42	40	5200	130

PHYSICAL PARAMETERS

DIMENSION

LTS-22

LTS-24

LTS-22: 24" (609.8mm), 23.86" (604mm), 3.35" (85mm), 23.86" (604mm)

LTS-24: 48" (1219.8mm), 47.8" (1214mm), 3.35" (85mm), 23.86" (605.5mm)