

Alphalite

PROJECT NAME

CATALOG NO.

TYPE

DATE

NOTE

LED Prismatic Troffer

LTS

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.



TROFFER SERIES

LED Prismatic Troffer

2x2, 2x4, 1x4



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

5-year limited warranty. See complete warranty terms for details.

Quick Ship Product

- LTS-24L/840
- LTS-24L/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' 14 - 1'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

MMS - Integrated bi-level dimming microwave motion sensor
WCMMS - Integrated wireless transmission control and step dimming microwave motion sensor
DL - Integrated daylight harvesting

Emergency Backup

EM700 - 700lm
EM1400 - 1400lm
EM2000 - 2000lm



Specifications and dimensions subject to change without notice.

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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-22L/835	36	35	4445	127
	LTS-22L/840	36	35	4480	128
	LTS-22L/850	36	35	4515	129
	LTS-22H/835	42	40	5080	127
	LTS-22H/840	42	40	5120	128
2 x 4	LTS-24L/835	35	34	4420	130
	LTS-24L/840	35	34	4400	132
	LTS-24L/850	35	34	4590	135
	LTS-24H/835	42	40	5080	127
	LTS-24H/840	42	40	5100	128
1 x 4	LTS-14L/835	36	35	4445	127
	LTS-14L/840	36	35	4480	128
	LTS-14L/850	36	35	4515	129
	LTS-14H/835	42	40	5080	127
	LTS-14H/840	42	40	5120	128
	LTS-14H/850	42	40	5160	129

PHYSICAL PARAMETERS

DIMENSION

LTS-22

LTS-24

