Alphalite Inc.

LED Prismatic Troffer

LTS Series
Panels and Troffers

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. 120-277V 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
cULus listed for dry and damp locations rated.IC rated.
DLC 5.1 Premium listed.

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

Quick Ship Product

LTS-22H/840
LTS-22H/850
LTS-22L(34/24/18S2)/8A
LTS-24L(48/34/26S2)/8A

ORDERING INFORMATION

Sample Number: LTS-22H/840

Series	Length	Lumen Package		CRI	CCT
LTS - LED Prismatic Troffer	**22** - 2'x2' **24** - 2'x4'	**2'x2'** **22L(34/21/18S2)** - 34/21/18W, 4250/3000/2250lm **22H** - 40W, 5000lm	**2'x4'** **24L(48/34/26S2)** - 48/34/26W, 6000/4250/3250lm	**8** - 80+ CRI	**35** - 3500K **40** - 4000K **50** - 5000K **A** - Adjustable CCT (5000/4000/3500K)

Input Voltage	Control Option	Emergency Backup	Accessories
(Blank) - 120-277V	**MMS -** Step dimming Microwave Sensor and daylight sensor *configuaration tool required **MMS-DL -** Step dimming Microwave Sensor (Motion detection/Photocell/Dimming/Daylight harvesting) *configuaration tool required **DL -** Daylight Harvesting	**EM15W -** 15W constant power with integrated self-diagnostic test **EM8W -** 8W constant power with integrated self-diagnostic test	**SMK-xx -** Surface mount kit , xx as 22 or 24 **FLK-xx -** Flange Kit for drywall, xx as 22 or 24

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SUMMARY

Input Voltage	120-277V
Input Power	See energy data for details
Power Factor	>0.90
THD (Max.)	10%
Efficacy	125 LPW
Delivered Lumens	See energy data for details
Controls/ Dimming	1-10V dimming standard
Dimming Range	10-100%
CRI	>80
CCT	3500,4000,5000K
	3500/4000/5000K Selectable
Operating Temp.	-4℉ ~ 122℉ (-20℃ ~ +50℃)
Rated Life	70,000 hours

ENERGY PERFORMANCE DATA

Form Factor	Part No.	Rated Wattage (W)	Delivered Lumens (lm)	Efficacy (lm/W)
2'x2'	LTS-22H/835 LTS-22H/840 LTS-22H/850	40	5000	125
	LTS-22L(34/24/18S2)/8A*	34/24/18	4250/3000/2250	125
2'x4'	LTS-24L(48/34/26S2)/8A*	48/34/26	6000/4250/3250	125

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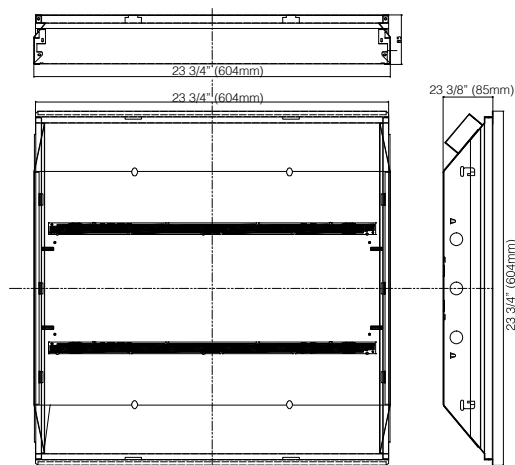**Default setting at time of shipping are highest wattage and highest CCT.

* DLC 5.1 Premium Listed

OPTICS

Beam Angle 98°x98°

Polar Candela

- 0° H
- 90° H
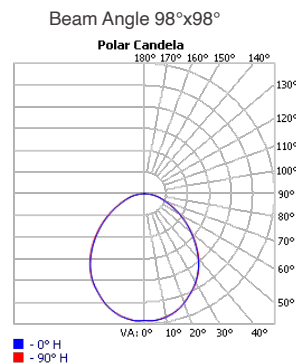
PHYSICAL PARAMETERS

DIMENSION

LTS-22

23 3/4"(604mm)
23 3/4"(604mm)
23 3/8" (85mm)
23 3/4" (604mm)

LTS-24

48" (1220mm)
47 3/4" (1214mm)
23 3/8" (85mm)
23 7/8" (606mm)

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