



PROJECT

TYPE

DATE

ITEM NO.

NOTE

INFINITY VOLUMETRIC LED TROFFER, CENTER DIFFUSER

ILT-CB-S2 Series

Panels and Troffers

DESCRIPTION

The Infinity Volumetric LED Troffer series combines the benefits of long life, controllability, and energy savings with elegant design and superior quality of light. The ILT 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. 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. 120-277V input voltage for increased versatility. 1-10V 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 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 listed.

Warranty

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

Quick Ship Product

ILT-CB-22L(25S2)/835
ILT-CB-22L(25S2)/850
ILT-CB-22L(26S)/850
ILT-CB-22H(35S)/850
ILT-CB-24L(34S2)/835
ILT-CB-24L(34S2)/850
ILT-CB-24L(45S2)/835
ILT-CB-24L(45S2)/840
ILT-CB-24H(46S)/850
ILT-CB-24VH(64/56/46S2)/840

ORDERING INFORMATION

Sample Number: ILT-CB-22H(35/25/18S2)/8A

Series	Form Factor	Lumen Package		
ILT-CB - Infinity Volumetric LED Troffer, Center Diffuser	22 - 2'x2' 24 - 2'x4' 14 - 1'x4'	1'x4' 14H(35/25/18S2) -35/25/18W, 4375/3125/2250lm	2'x2' 22L(25S2) - 25W, 3125lm 22L(26S) - 26W, 3250lm 22H(35S) - 35W, 4410lm 22H(35/25/18S2) - 35/25/18W, 4410/3125/2250lm	2'x4' 24L(34S2) - 34W, 4284lm 24L(45S2) - 45W, 5625lm 24H(46S) - 46W, 5970lm 24H(34/25/18S2) - 34/25/18W, 4284/3175/2250lm 24VH(64/56/46S2) - 64/56/46W, 8256/7224/5934lm 24VH(100/85/70S2) - 100/85/70W, 15000/12750/10500lm

CRI	CCT	Input Voltage	Dimming	Driver Options
8 - 82+ CRI	35 - 3500K 40 - 4000K 50 - 5000K A - Adjustable CCT(5000/4000/3500K)	(Blank) - 120-277V C - 120-347V	(Blank) - 0-10V Continuous Dimming	CT - Cold temperature driver, 40°F-131°F (-40°C-55°C) Input Voltage: Custom input voltage available Contact your Alphalite representative for added cost, quantities and lead times.

Control Option	Emergency Backup	Assembly in USA	Accessories
OS - Step dimming PIR motion and daylight sensor *configuration tool required MMS - Step dimming Microwave Sensor and daylight sensor *configuration tool required MMS-BLE - Wireless Bluetooth mesh and occupancy sensor (PIR or Microwave) AWN-R - Lutron Athena wireless node integral fixture control (RF only) AWN-S - Lutron Athena wireless node integral fixture control (RF with daylight and occupancy sensing)* *Recommended to be used at heights of 8-12 feet for optimal coverage.	EM15W - 15W constant power with integrated self-diagnostic test	BAA - assembly in USA	FLK - Flange Kit SMK - Surface Mount Kit

SUMMARY

Input Voltage	120-277V
Input Power	See energy data for details
Power Factor	>0.95
THD (Max.)	20%
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°F ~ 133°F (-20°C ~ 55°C)
Rated Life	70,000 hours

ENERGY PERFORMANCE DATA

Form Factor	Part No.	Rated Wattage (W)	Delivered Lumens (lm)	Efficacy (lm/W)
2'x2'	ILT-CB-22L(25S2)/835	25	3125	125
	ILT-CB-22L(25S2)/840			
	ILT-CB-22L(25S2)/850			
	ILT-CB-22L(26S)/835	26	3250	125
	ILT-CB-22L(26S)/840			
	ILT-CB-22L(26S)/850			
	ILT-CB-22H(35S)/835	35	4410	126
	ILT-CB-22H(35S)/840			
	ILT-CB-22H(35S)/850			
2'x4'	ILT-CB-22H(35/25/18S2)/8A*	35/25/18	4410/3125/2250	125
	ILT-CB-24L(34S2)/835	34	4284	126
	ILT-CB-24L(34S2)/840			
	ILT-CB-24L(34S2)/850			
	ILT-CB-24L(45S2)/835	45	5625	125
	ILT-CB-24L(45S2)/840			
	ILT-CB-24L(45S2)/850			
	ILT-CB-24H(46S)/835	46	5970	127
	ILT-CB-24H(46S)/840			
	ILT-CB-24H(46S)/850			
	ILT-CB-24VH(64/56/46S2)/835*	64/56/46	8256/7224/5934	128
	ILT-CB-24VH(64/56/46S2)/840*			
	ILT-CB-24VH(64/56/46S2)/850*			
	ILT-CB-24H(34/25/18S2)/8A*	34/25/18	4284/3175/2250	128
	ILT-CB-24VH(64/56/46S2)/8A	64/56/46	8256/7224/5934	128
	ILT-CB-24VH(100/85/70S2)/8A	100/85/70	15000/12750/10500	150
1'x4'	ILT-CB-14H(35/25/18S2)/8A	35/25/18	4375/3125/2250	125

*The delivered lumens above are based on highest wattage and 4000K.

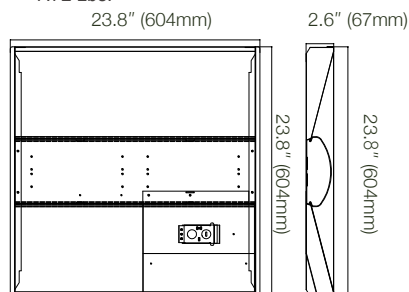
**Default setting at time of shipping are highest wattage and highest CCT.

PHYSICAL PARAMETERS

DIMENSION

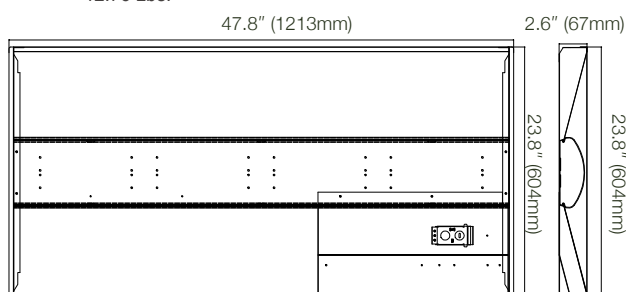
ILT-CB-22

7.72 Lbs.



ILT-CB-24

12.76 Lbs.



ILT-CB-14

9.92 Lbs.

