



PROJECT

TYPE

DATE

ITEM NO.

NOTE

INFINITY VOLUMETRIC LED TROFFER, CENTER DIFFUSER

ILT-CB 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. 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

ORDERING INFORMATION

Sample Number: ILT-CB-24L(34S2)/840

ILT-CB	24	L	8	40	(Blank)	(Blank)
Series	Form Factor	Lumen Package	CRI	CCT	Input Voltage	Dimming
ILT-CB - Infinity	22 - 2'x2'	VL - Very Low Wattage	8 - 82+ CRI	35 - 3500K	(Blank) - 120-277V	(Blank) - 0-10V
Volumetric LED Troffer,	24 - 2'x4'	L - Low Wattage		40 - 4000K	C - 120-347V	Continuous Dimming
Center Diffuser	14 - 1'x4'	H - High Lumen		50 - 5000K		
		VH - Very High Lumen		A - Adjustable CCT (5000/4000/3500K)		

Options

Accessories

FLK - Flange Kit
SMK - Surface Mount Kit

Driver Options

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.

Controls

MMS - Step dimming Microwave Sensor and daylight sensor
MMS-DL - Step dimming Microwave Sensor and daylight harvesting
DL - Integrated daylight harvesting
AWNR - Lutron Athena wireless node integral fixture control (RF only)
AWNS - Lutron Athena wireless node integral fixture control (RF with daylight and occupancy sensing)
Remarks: Sensor configuration tool remote control required, not included

Emergency Backup

EM15W - 15W constant power with integrated self-diagnostic test

Assembly in USA

BAA - assembly in USA

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

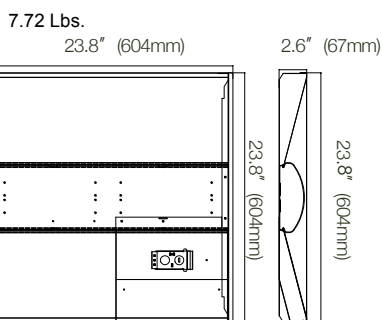
Form Factor	Part No.	Rated Wattage (W)	Delivered Lumens (lm)	Efficacy (lm/W)
2'x2'	ILT-CB-22L(25S2)/835	25	2954	122
	ILT-CB-22L(25S2)/840		3125	125
	ILT-CB-22L(25S2)/850		3150	126
	ILT-CB-22L(26S)/835	26	3075	121
	ILT-CB-22L(26S)/840		3250	125
	ILT-CB-22L(26S)/850		3276	127
	ILT-CB-22H(35S)/835	35	4243	122
	ILT-CB-22H(35S)/840		4410	126
	ILT-CB-22H(35S)/850		4445	127
	ILT-CB-22H(35/30/25S2)/8A	35/30/25	4410/3750/3125	125
2'x4'	ILT-CB-24L(34S2)/835	34	4232	125
	ILT-CB-24L(34S2)/840		4284	126
	ILT-CB-24L(34S2)/850		4318	127
	ILT-CB-24L(45S2)/835	45	5556	124
	ILT-CB-24L(45S2)/840		5625	125
	ILT-CB-24L(45S2)/850		5670	126
	ILT-CB-24H(46S)/835	46	5620	125
	ILT-CB-24H(46S)/840		5970	127
	ILT-CB-24H(46S)/850		6115	130
	ILT-CB-24VH(64/56/46S2)/835*	64/56/46	8192/7168/5888	125
	ILT-CB-24VH(64/56/46S2)/840*		8256/7224/5934	128
	ILT-CB-24VH(64/56/46S2)/850*		8320/7280/5980	128
	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

* DLC 5.1 Standard Listed

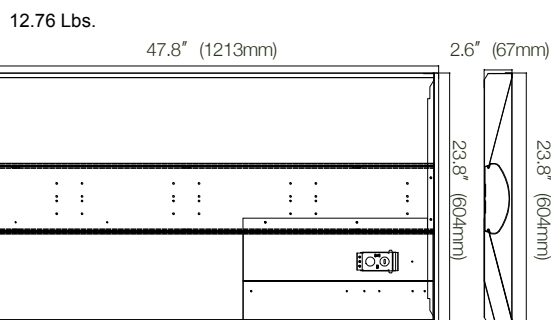
PHYSICAL PARAMETERS

DIMENSION

ILT-CB-22



ILT-CB-24



ILT-CB-14

