



PROJECT NAME

CATALOG NO.

TYPE

DATE

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. 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

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

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

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)

Controls

- MMS - Multifunction Motion Sensor (Motion detection/Photocell/Dimming)
- MMS-DL - Multifunction Motion Sensor (Motion detection/Photocell/Dimming/Daylight harvesting)
- DL - Integrated daylight harvesting
- SMC - Smart Control System

Remarks: Sensor configuration tool remote control required,not included

Emergency Backup

(Lumen will maintain over the 90-minute duration)

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

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	0-10V
Dimming Range	Continuous10-100%
CRI	> 83
CCT	3500K, 4000K, 5000K
Operating Temp.	-4°F ~ 133°F (-20°C ~ +55°C)
Rated Life	70,000 hours

ENERGY PERFORMANCE DATA

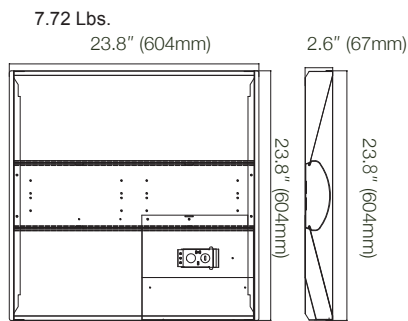
Form Factor	Part No.	Rated Wattage (W)	Delivered Lumens (lm)	Efficacy (lm/W)		
2'x2'	ILT-CB-22L(25S2)/835	25	2954	122		
	ILT-CB-22L(25S2)/840		3125	125		
	ILT-CB-22L(25S2)/850		3150	126		
	2'x2'	ILT-CB-22L(26S)/835	26	3075	121	
		ILT-CB-22L(26S)/840		3250	125	
		ILT-CB-22L(26S)/850		3276	127	
		ILT-CB-22H(35S)/835		4243	122	
	2'x2'	ILT-CB-22H(35S)/840	35	4410	126	
		ILT-CB-22H(35S)/850		4445	127	
		ILT-CB-22H(35/25/18S2)/8A*		4410/3125/2250	125	
2'x4'	ILT-CB-24VL(25S2)/835	25	3150	126		
	ILT-CB-24VL(25S2)/840		3175	127		
	ILT-CB-24VL(25S2)/850		3200	128		
	2'x4'	ILT-CB-24L(34S2)/835	34	4232	125	
		ILT-CB-24L(34S2)/840		4284	126	
		ILT-CB-24L(34S2)/850		4318	127	
	2'x4'	ILT-CB-24L(45S2)/835	45	5556	124	
		ILT-CB-24L(45S2)/840		5625	125	
		ILT-CB-24L(45S2)/850		5670	126	
	2'x4'	ILT-CB-24H(46S)/835	46	5620	125	
		ILT-CB-24H(46S)/840		5970	127	
		ILT-CB-24H(46S)/850		6115	130	
	2'x4'	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

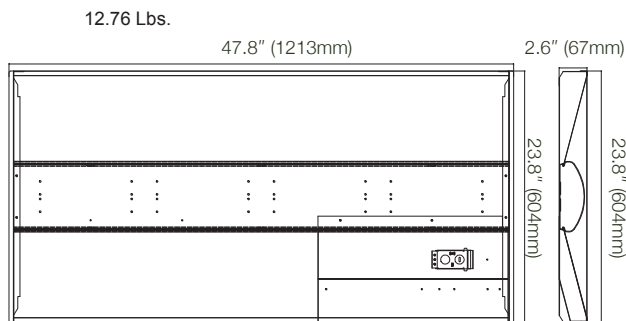
PHYSICAL PARAMETERS

DIMENSION

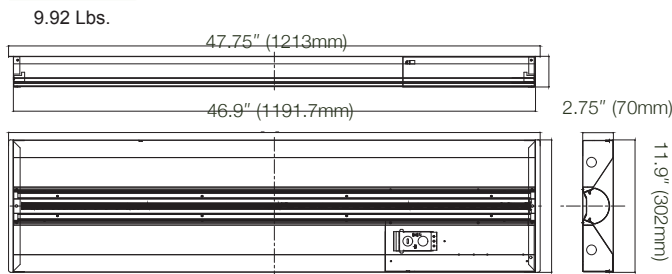
ILT-CB-22



ILT-CB-24



ILT-CB-14



-DMMS/MMS control pre-commissioning

Sample Number: -DMMS (10-3M-L3-S10M)

10	3M	L3	S10M	(Blank)
Detection Area	Hold Time	Low Mode	Stand-by Period	Daylight Sensor
10 - 100%	NM - ∞	L5 - 50%	SN - ∞	(Blank) - Disable
7 - 75%	20M - 20 min.	L3 - 30%	S1H - 1 hr.	D100 - 100 lux
5 - 50%	3M - 3 min.	L2 - 20%	S30M - 30 min.	D50 - 50 lux
1 - 10%	30S - 30 sec.	L1 - 10%	S10M - 10 min.	D25 - 25 lux
	5S - 5 sec.		S5M - 5 min.	D10 - 10 lux
			S5S - 5 sec.	D5 - 5 lux
			(Blank) - Disable	D2 - 2 lux
<p>Detection Area: Detection area can be reduced to fit precisely each application.</p> <p>Hold Time: The time period the luminaire remains at 100% illumination after no motion detected.</p> <p>Low Mode: The selected low light level after the hold time.</p> <p>Stand-by Period: The time period the luminaire remains at "Low Mode" before it completely switched off in the long absence of people. When set to "∞" mode, the low light level is maintained until motion is detected.</p> <p>Daylight Sensor: The sensor can be set to only allow the luminaire to illuminate below a defined ambient brightness threshold. When set to "Disable" mode, the daylight sensor will switch on the luminaire when motion is detected regardless of ambient light level.</p> <p>**Noted that daylight sensor is active only when the luminaire switches off**</p>				