

LCAT-LSCS

LED CONTEMPORARY ARCHITECTURAL TROFFER

DATE: _____ LOCATION: _____
 TYPE: _____ PROJECT: _____
 CATALOG #: _____

FEATURES

- Switchable Lumen technology:
2750/3300/4400 lumens (2x2 size)
4200/5200/6000 lumens (1x4, 2x4 size)
- Switchable CCT technology: 3500/4000/5000K
- High efficiency acrylic center lens features linear prisms for high performance without pixelation
- Appropriate for offices, schools, medical, and public spaces
- High performance reflector with matte white paint standard
- 1-10V dimming to 10%, standard
- Compatible with Dual-Lite inverters



SPECIFICATIONS

CONSTRUCTION

- Luminaire housing, reflectors and end caps are die-formed code-gauge cold-rolled steel
- High transmission extruded acrylic enclosed lens features linear prisms with custom frost for high efficacy without pixelation
- All reflective surfaces are finished after fabrication with unique formula high-reflectivity matte white paint for soft, uniform indirect illumination

OPTICS

- Removable lens for easy access to LED module and electrical components

INSTALLATION

- An access plate is furnished with each luminaire for fast wiring access without the necessity to open the fixture or wireway
- Luminaire fits recessed exposed Grid ceilings (G); four integral NEC compliant T-bar clips are standard

INSTALLATION (CONTINUED)

- Can be placed in Slot Grid (SG) style ceiling with regress 3/8" above ceiling plane
- A Flange Kit (FK) accessory is available for recessed hard ceiling applications

ELECTRICAL

- 54,000 hour LEDs at L70 for reduced maintenance
- 80 CRI standard

CERTIFICATIONS

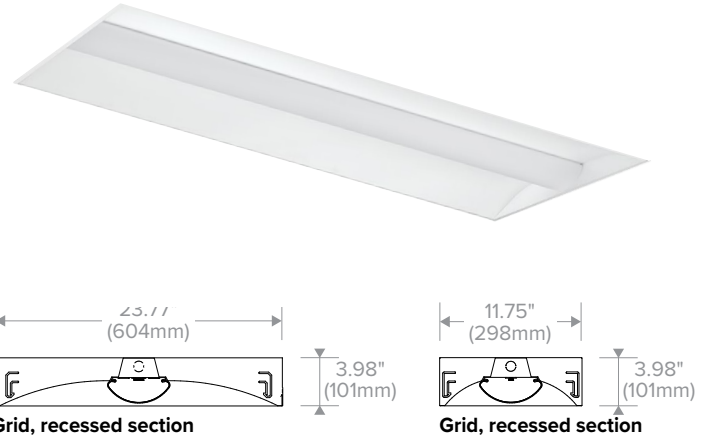
- IC label is standard for recessed products. Note that IC label is void if product is installed on site with a combination of both battery pack plus through wiring or for air return fixtures
- All luminaires are built to UL1598 and 2108 standards, and bear appropriate cCSAus labels

CERTIFICATIONS (CONTINUED)

- CSA certified to UL 924 standards with battery pack option
- Damp Location label standard
- Adheres to LM79, LM80, and TM21 industry standards
- DLC® (DesignLights Consortium) Qualified. Please refer to the DLC website for specific product qualifications at www.designlights.org
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 04/03/2020. [See Buy American Solutions](#)

WARRANTY

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information



ORDERING GUIDE

Catalog No.	UPC	Description	Setting	Lumens			Watts	LPW		
				3500K	4000K	5000K		3500K	4000K	5000K
<input type="checkbox"/> LCAT14-LSCS	840141424002	1X4 LED Contemporary Architectural Troffer, Lumen Switchable, CCT Switchable , 120-277V	LOW	3946	4381	4224	32	125	147	136
			MED	4837	5547	5180	42	115	140	125
			HIGH	5340	6295	5774	50	107	135	117
<input type="checkbox"/> LCAT22-LSCS	840141423340	2X2 LED Contemporary Architectural Troffer, Lumen Switchable, CCT Switchable , 120-277V	LOW	2642	2929	2872	21	126	139	137
			MED	3008	3387	3272	25	120	135	131
			HIGH	3764	4460	4124	35	108	127	118
<input type="checkbox"/> LCAT24-LSCS	840141423364	2X4 LED Contemporary Architectural Troffer, Lumen Switchable, CCT Switchable , 120-277V	LOW	3964	4424	4285	32	126	140	136
			MED	4872	5608	5282	42	116	134	126
			HIGH	5415	6394	5874	51	106	125	115

-EL14 (Emergency Battery Pack Installed, 1400 Lumens) or -C588 (5-wire Flex) options are available for order.

- Accessories**
- FK24** 2' x 4' Single Flange Kit (Shipped separately)
 - FK22** 2' x 2' Single Flange Kit (Shipped separately)

KEY DATA	
Lumen Range	2642–6394
Wattage Range	21–51
Efficacy Range (LPW)	108–140
Reported Life (Hours)	L70/54,000

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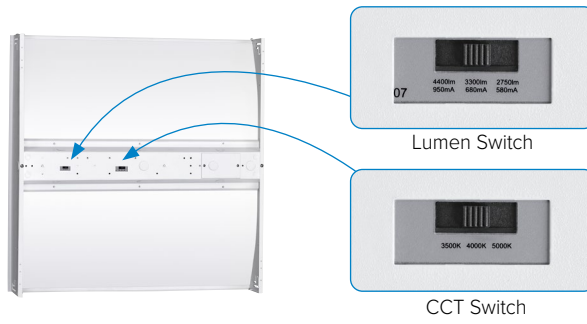
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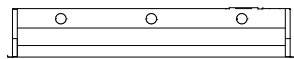
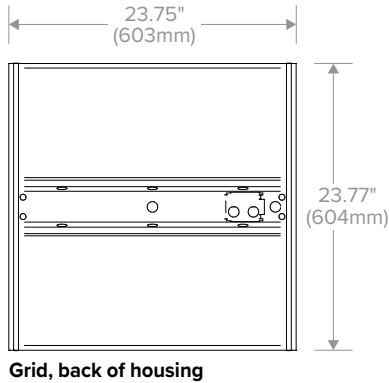
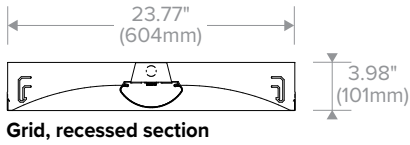
SWITCHABLE TECHNOLOGY

- Switches are located on top of fixture
- Switchable Lumen technology:
2750/3300/4400 lumens (2x2 size)
4200/5200/6000 lumens (1x4, 2x4 size)
- Switchable CCT technology:
3500/4000/5000K

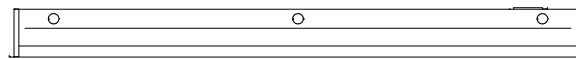
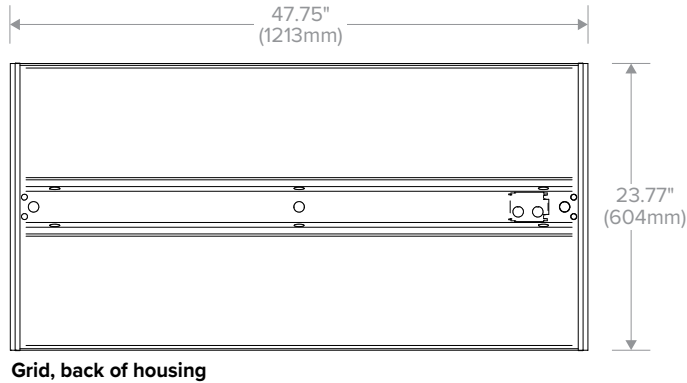
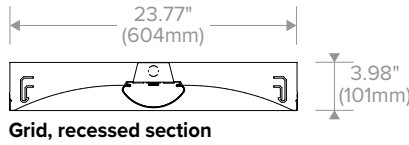


DIMENSIONS

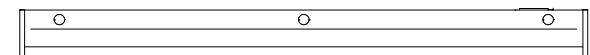
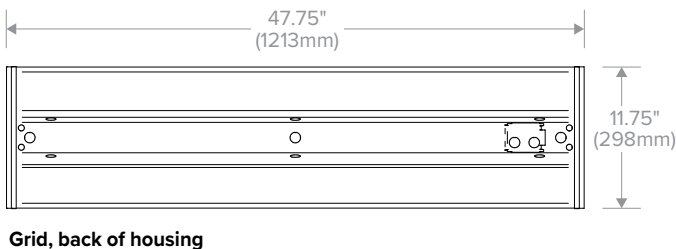
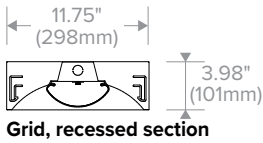
2X2 GRID CEILING



2X4 GRID CEILING



1X4 GRID CEILING



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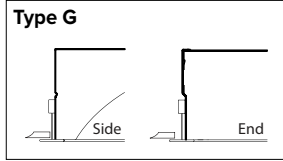
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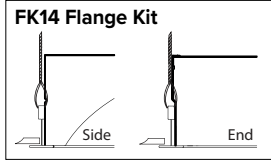
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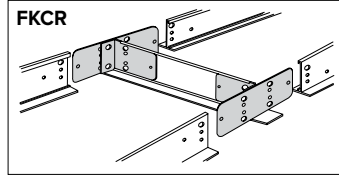
1X4 CEILING COMPATIBILITY



For lay-in installation in exposed grid ceilings. Maximum tee widths of 1" and maximum tee heights of 2" allowed.



For hard ceiling applications, order FK24 flange kit. Flange kit wires directly into concealed ceiling opening for a clean, finished appearance.

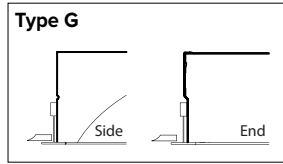


For flanged fixtures in row configurations, the FKCR adapter bracket kit is required in addition to the FK14 kit. Order one less FKCR than the total number of fixtures in row. (Example: Row of two, order (2) FK14 & (1) FKCR)

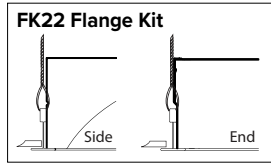
Row cut out dimensions using FK14s & FKCR adapters:
Width 12³/₈", Length [48" × (# in row)] + ³/₈".
Example: (48" × 2) + ³/₈" = 96³/₈"

Flange kit cut out dimension for single unit only: 12³/₈" × 48³/₈"

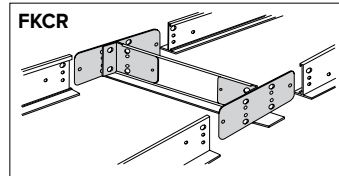
2X2 CEILING COMPATIBILITY



For lay-in installation in exposed grid ceilings. Maximum tee widths of 1" and maximum tee heights of 2" allowed.



For hard ceiling applications, order FK24 flange kit. Flange kit wires directly into concealed ceiling opening for a clean, finished appearance.

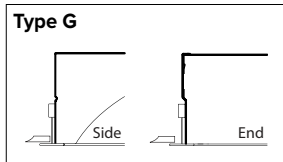


For flanged fixtures in row configurations, the FKCR adapter bracket kit is required in addition to the FK22 kit. Order one less FKCR than the total number of fixtures in row. (Example: Row of two, order (2) FK22 & (1) FKCR)

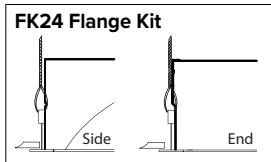
Row cut out dimensions using FK22s & FKCR adapters:
Width 24³/₈", Length [24" × (# in row)] + ³/₈".
Example: (24" × 2) + ³/₈" = 48³/₈"

Flange kit cut out dimension for single unit only: 24³/₈" × 24³/₈"

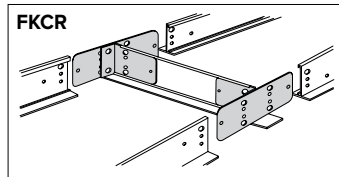
2X4 CEILING COMPATIBILITY



For lay-in installation in exposed grid ceilings. Maximum tee widths of 1" and maximum tee heights of 2" allowed.



For hard ceiling applications, order FK24 flange kit. Flange kit wires directly into concealed ceiling opening for a clean, finished appearance.



For flanged fixtures in row configurations, the FKCR adapter bracket kit is required in addition to the FK24 kit. Order one less FKCR than the total number of fixtures in row. (Example: Row of two, order (2) FK24 & (1) FKCR)

Row cut out dimensions using FK24s & FKCR adapters:
Width 24³/₈", Length [48" × (# in row)] + ³/₈".
Example: (48" × 2) + ³/₈" = 96³/₈"

Flange kit cut out dimension for single unit only: 24³/₈" × 48³/₈"

NOTE: All dimensions are in inches; dimensions and specifications are subject to change without notice. Please consult factory or check sample for verification.