

# LCAT-S-LSCS

LED CONTEMPORARY ARCHITECTURAL TROFFER - SHALLOW

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_  
 TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_  
 CATALOG #: \_\_\_\_\_

## FEATURES

- Light weight, low profile construction for crowded ceilings and shallow plenums
- 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
- High performance reflector with matte white paint standard
- 1-10V dimming to 10%, standard
- Appropriate for offices, schools, medical, and public spaces



Typical Dimensions and Weights				
Sizes	Length Inches (mm)	Width Inches (mm)	Height Inches (mm)	Weight lbs (kg)
1x4	47.72 (1212.088)	11.73 (297.94)	2.28 (58)	11 (5)
2x2	23.73 (603)	23.77 (604)	2.28 (58)	10 (4.5)
2x4	47.72 (1212.088)	23.77 (604)	2.28 (58)	14 (6.4)

## SPECIFICATIONS

### CONSTRUCTION

- Luminaire housing, reflectors and end caps are die-formed code-gauge cold-rolled steel
- 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
- High transmission extruded acrylic enclosed lens features linear prisms with custom frost for high efficacy without pixelation

### INSTALLATION

- An access plate is furnished with each luminaire for fast wiring access without the necessity to open the fixture or wireway

### INSTALLATION (CONTINUED)

- Luminaire fits recessed exposed Grid ceilings (G); four integral NEC compliant T-bar clips are standard
- 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
- 1V minimum low-end trim recommended when paired with a 0-10V dimmer

### 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 fixture

### CERTIFICATIONS (CONTINUED)

- All luminaires are built to UL1598, and bear appropriate cCSAus labels
- CSA certified to UL 924 standards with battery pack option
- Damp Location label standard
- Adheres to LM79, LM80, and TM21 industry standards
- 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.
- DLC® (DesignLights Consortium) Qualified. Please refer to the DLC website for specific product qualifications at [www.designlights.org](http://www.designlights.org)

### 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	3500K	4000K	5000K
<input type="checkbox"/> LCAT14-S-LSCS	840141415574	1X4 LED Contemporary Architectural Troffer - Shallow, Lumen Switchable, CCT Switchable	LOW	4510	4854	4772	30	146	162	155		
			MED	5692	6205	6025	40	140	157	148		
			HIGH	6469	7129	6839	47	135	154	144		
<input type="checkbox"/> LCAT22-S-LSCS	840141415581	2X2 LED Contemporary Architectural Troffer - Shallow, Lumen Switchable, CCT Switchable	LOW	3032	3203	3141	20	152	164	159		
			MED	3518	3730	3629	23	150	162	156		
			HIGH	4649	5031	4816	33	142	157	147		
<input type="checkbox"/> LCAT24-S-LSCS	840141415598	2X4 LED Contemporary Architectural Troffer-Shallow, Lumen Switchable, CCT Switchable	LOW	4510	4854	4772	30	146	162	155		
			MED	5692	6205	6025	40	140	157	148		
			HIGH	6469	7129	6839	47	135	154	144		

-ELL14 (Emergency Battery Pack Installed, 1400 Lumens) or -C588 (5-wire Flex) options are available for order.

### Accessories

- FK14** 1' x 4' Single Flange Kit (Shipped separately)
- FK22** 2' x 2' Single Flange Kit (Shipped separately)
- FK24** 2' x 4' Single Flange Kit (Shipped separately)

KEY DATA	
Lumen Range	3032-7129
Wattage Range	20-47
Efficacy Range (LPW)	135-164
Reported Life (Hours)	L70/54,000

# LCAT-S-LSCS

LED CONTEMPORARY ARCHITECTURAL TROFFER - SHALLOW

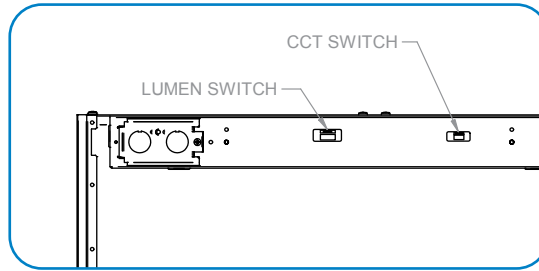
DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

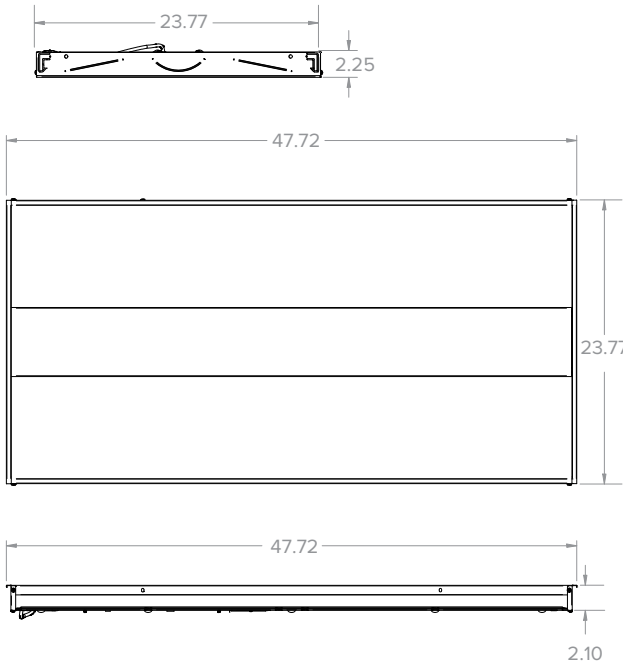
## SWITCHABLE TECHNOLOGY

- 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

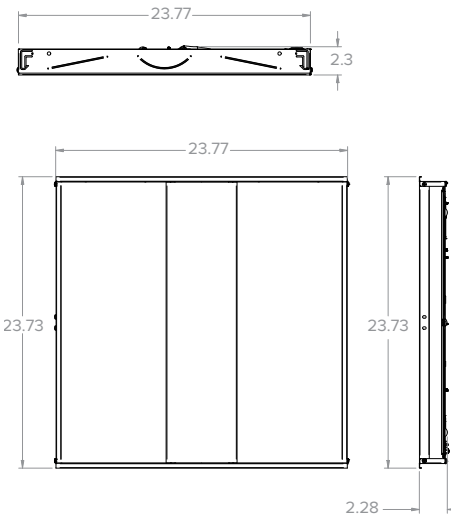


## DIMENSIONS

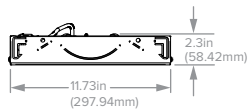
### 2X4 GRID CEILING



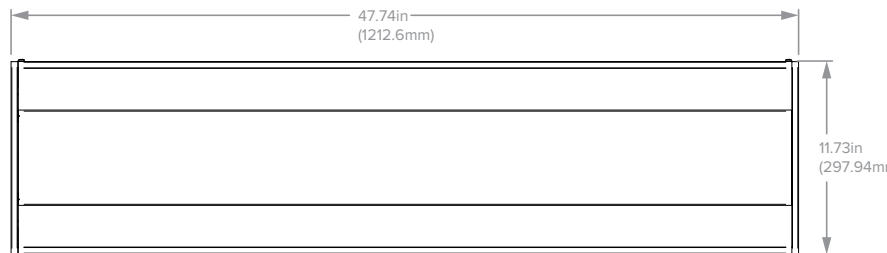
### 2X2 GRID CEILING



### 1X4 GRID CEILING



### Grid, recessed section



### Grid, back of housing



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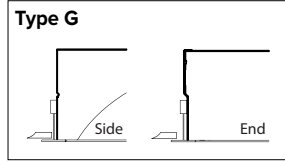
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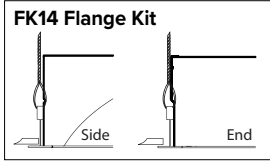
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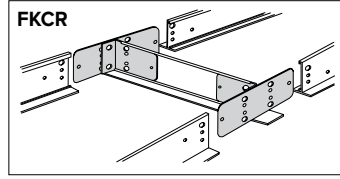
## 1X4 CEILING COMPATIBILITY



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.

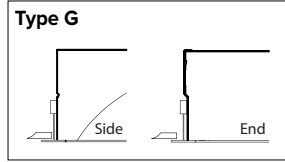


For flanged fixtures in row configurations, the FKCR adapter bracket kit is required in addition to the FK14 kit. Order one less FKCR than the total number of fixtures in row. (Example: Row of two, order (2) FK14 & (1) FKCR)

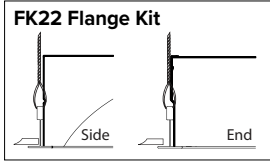
Row cut out dimensions using FK14s & FKCR adapters:  
Width 12<sup>3</sup>/<sub>8</sub>", Length [48" × (# in row)] + <sup>3</sup>/<sub>8</sub>".  
Example: (48" × 2) + <sup>3</sup>/<sub>8</sub>" = 96<sup>3</sup>/<sub>8</sub>"

**Flange kit cut out dimension for single unit only: 12<sup>3</sup>/<sub>8</sub>" × 48<sup>3</sup>/<sub>8</sub>"**

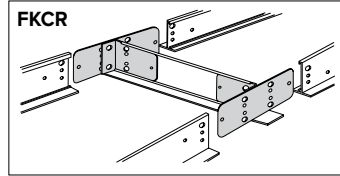
## 2X2 CEILING COMPATIBILITY



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.

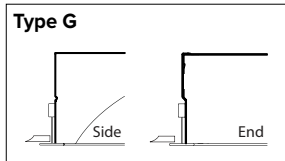


For flanged fixtures in row configurations, the FKCR adapter bracket kit is required in addition to the FK22 kit. Order one less FKCR than the total number of fixtures in row. (Example: Row of two, order (2) FK22 & (1) FKCR)

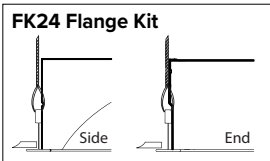
Row cut out dimensions using FK22s & FKCR adapters:  
Width 24<sup>3</sup>/<sub>8</sub>", Length [24" × (# in row)] + <sup>3</sup>/<sub>8</sub>".  
Example: (24" × 2) + <sup>3</sup>/<sub>8</sub>" = 48<sup>3</sup>/<sub>8</sub>"

**Flange kit cut out dimension for single unit only: 24<sup>3</sup>/<sub>8</sub>" × 24<sup>3</sup>/<sub>8</sub>"**

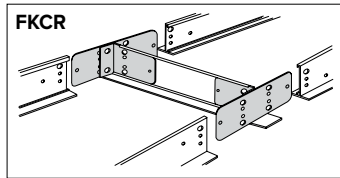
## 2X4 CEILING COMPATIBILITY



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 24<sup>3</sup>/<sub>8</sub>", Length [48" × (# in row)] + <sup>3</sup>/<sub>8</sub>".  
Example: (48" × 2) + <sup>3</sup>/<sub>8</sub>" = 96<sup>3</sup>/<sub>8</sub>"

**Flange kit cut out dimension for single unit only: 24<sup>3</sup>/<sub>8</sub>" × 48<sup>3</sup>/<sub>8</sub>"**

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