

## LCAT-LSCS

LED CONTEMPORARY ARCHITECTURAL TROFFER

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

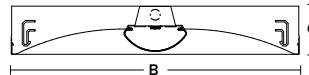
## FEATURES

- Switchable Lumen technology:  
2750/3300/4400 lumens (2x2 size)  
4200/5200/6000 lumens (2x4 size)
- Universal voltage, 120-277V
- 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



## SERVICE PROGRAM

STOCK



Typical Dimensions and Weights				
Sizes	(A) Length Inches (mm)	(B) Width Inches (mm)	(C) Height Inches (mm)	Weight lbs (kg)
2'	23.75 (603)	23.77 (604)	3.98 (101)	11.5 (5.2)
4'	47.75 (1213)			18.3 (8.3)

## 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  $\frac{3}{8}$ " 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 fixtures
- All luminaires are built to UL1598 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
- Product configurations not including battery packs or controls meet federal procurement law requirements under the Trade Agreements Act (FAR 52.225-11). See Buy America(n) Solutions
- 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

## STOCK GUIDE

STOCK

Catalog No.	UPC	Description	Setting	Lumens			Watts	LPW		
				3500K	4000K	5000K		3500K	4000K	5000K
<input type="checkbox"/> LCAT22-LSCS	840141423340	2X2 LED Contemporary Architectural Troffer, Lumen Switchable, CCT Switchable Universal voltage, 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 Universal voltage, 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

## ACCESSORY ORDERING GUIDE

Accessories (Order Separately)		
FK22	2' x 2' Single Flange Kit (Shipped separately)	
FK24	2' x 4' Single Flange Kit (Shipped separately)	

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ORDERING GUIDE

Example: LCAT24-LSCS-ELL14

LCAT		LSCS	
Model	Size	Lumen Output	Options
LCAT	22 2'x2'	LSCS Lumen & CCT Switchable <sup>1</sup>	ELL14 10W Emergency Battery Pack (CEC Title 20 Compliant) Installed <sup>2</sup>
	24 2'x4'		C588 5-wire Flex

- Notes:
- 1

Default settings are 4000K CCT and the MED lumen setting
- 2

To determine the lumen output in emergency mode, multiply the battery wattage by the fixture lumens per watt (LPW)

PROJECTED LUMEN MAINTENANCE

Calculation Method	Ambient Temp	25,000 hrs	50,000 hrs	60,000 hrs *
TM-21-11	25C/77F	0.94	0.89	0.87
TM-21-22	25C/77F	0.94	0.88	0.86

\* Lumen maintenance values calculated per TM-21 using six times the LM-80 test time for the LED and in-situ thermal testing of the luminaire.

DIMENSIONS

