

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 sizes)
- 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



SPECIFICATIONS

CONSTRUCTION

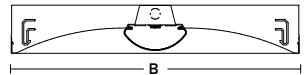
- Luminaire housing, reflectors and end caps are die-formed code-gauge cold-rolled steel
- High transmission extruded acrylic enclosed lens features linear prisms with custom frost for high efficacy without pixelation
- All reflective surfaces are finished after fabrication with unique formula high-reflectivity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

Typical Dimensions and Weights				
Sizes	(A) Length Inches (mm)	(B) Width Inches (mm)	(C) Height Inches (mm)	Weight lbs (kg)
1'x4'	47.75 (1213)	11.75 (298)	3.98 (101)	11.3 (5.1)
2'x2'	23.75 (603)	23.77 (604)		11.5 (5.2)
2'x4'	47.75 (1213)			18.3 (8.3)

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

WARRANTY

- 5 year warranty

STOCK GUIDE

STOCK

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	4231	4515	4536	30	141	155	152
			MED	5357	5799	5760	40	135	151	146
			HIGH	6128	6681	6550	47	130	148	141
<input type="checkbox"/> LCAT22-LSCS	840141423340	2X2 LED Contemporary Architectural Troffer, Lumen Switchable, CCT Switchable, 120-277V	LOW	2754	2946	2992	19	143	158	157
			MED	3200	3435	3478	23	141	156	154
			HIGH	4282	4653	4644	32	134	151	146
<input type="checkbox"/> LCAT24-LSCS	840141423364	2X4 LED Contemporary Architectural Troffer, Lumen Switchable, CCT Switchable, 120-277V	LOW	4220	4506	4531	30	140	155	152
			MED	5346	5781	5733	40	134	151	145
			HIGH	6104	6655	6545	47	130	148	141

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

ACCESSORY ORDERING GUIDE

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

Accessories Continued (Order Separately)

93161047	SMK-LCAT 1x4
93157516	SMK-LCAT 2x2
93170844	SMK-LCAT 2x4

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ORDERING GUIDE

Example: LCAT24-LSCS-ELL14

LCAT		LSCS		Options	
Model	Size	Lumen Output			
LCAT	14 1'x4'	LSCS Lumen & CCT Switchable ¹		ELL14	10W Emergency Battery Pack (CEC Title 20 Compliant) Installed ²
	22 2'x2'			C588	5-wire Flex
	24 2'x4'				

Notes:

- Default settings are 4000K CCT and the MED lumen setting
- 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	0.86	0.74	0.70
TM-21-22	25C/77F	0.86	0.75	0.70

* 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

