



LCAT-S

LED CONTEMPORARY ARCHITECTURAL TROFFER - SHALLOW

Columbia
LIGHTING

Current 

LCAT-S

LED CONTEMPORARY ARCHITECTURAL TROFFER - SHALLOW

LCAT-S is an aesthetically appealing, value driven center lens troffer with a depth of only 2.25", making it one of the most shallow center lens troffers on the market. It is available in three sizes with a wide range of lumen outputs and options to fit numerous applications including classrooms, offices, retail and healthcare.

LCAT-S



Other Center Lens Troffers





VARIETY

OF SIZES, LUMEN PACKAGES, & OPTIONS

LCAT-S is available in three sizes, four color temperatures and a wide range of LED driver options. In addition to controllable drivers, the LCAT-S can be controlled individually with integrated sensors or connected to a NX Lighting Controls system.

Lens

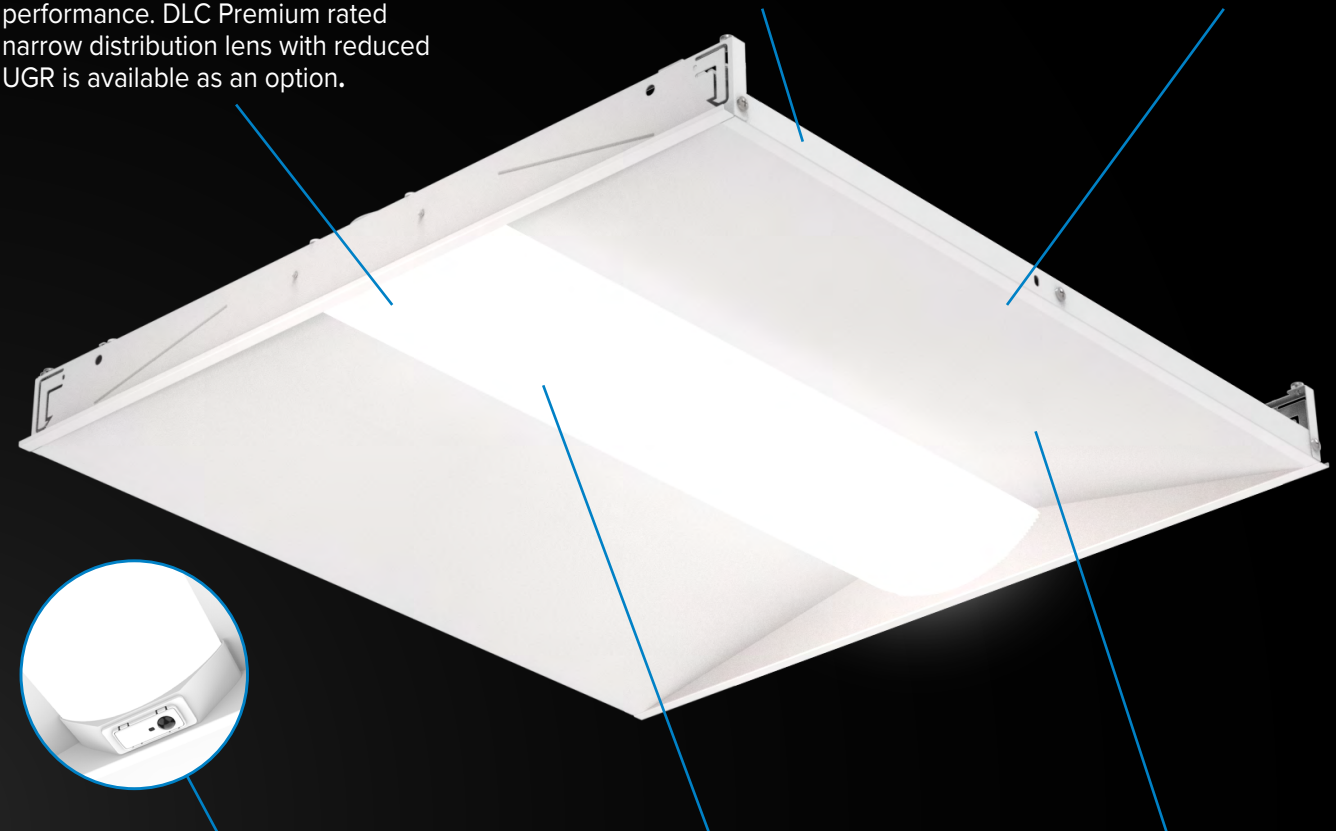
High efficiency acrylic center lens features interior linear prisms for smooth appearance and superior performance. DLC Premium rated narrow distribution lens with reduced UGR is available as an option.

Housing

Lightweight, low-profile housing is cleverly designed for structural integrity and durability.

Finish

Architectural matte white finish standard.



Controls Compatible

Optional factory installed occupancy and daylight sensors seamlessly integrate into a lens end cap.

Emergency Solutions

Optional Life Safety solutions available to meet security and code compliance needs:

- Integral LED NiCAD battery
- Remote mounted Dual-Lite inverter systems
- Integral Dimming Bypass Module

Reflectors

Interior reflectors provide comfortable, soft illumination and reduce contrast across the luminaire face.



1'x4'

This sleek shape integrates seamlessly into architectural designs.



2'x2'

Add quiet elegance to commercial spaces with the simplicity and modularity of this popular form.



2'x4'

Replace existing luminaires or design for new installations with this appealing, graceful architectural troffer.



OPTIONS

LCAT-S OFFERS MANY OPTIONS AND ACCESSORIES TO CUSTOMIZE YOUR SPACE AND MAKE IT UNIQUELY YOUR OWN.



Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with distinct SpectraSync™ Color Tuning Technologies



Surface Mount/Cable Mount

LCAT-S offers an optional surface mount for areas where a recessed ceiling is not available. A cable mount option is offered for high or obstructed ceilings where a matching suspended luminaire is optimal.

Flange Kit

Recessed hard ceilings are simple and straightforward with the FK (flange kit) accessory available on all sizes.





NX LIGHTING
CONTROLS

NEED LIGHTS THAT TURN ON AND OFF WHEN
YOU NEED THEM? WE'VE GOT YOU COVERED.

Control Option Ordering Logic and Description		Control Option Functionality							
		Networkable	Standalone Grouping	Scheduling	Occupancy	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth® App Programming
NX Wireless	NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth® Programming, without Sensor							
	NXWSM	NX Networked Wireless Enabled Integral NXSMP2-SMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming							
NX Wired	NXE	NX Wired Dual RJ45 SmartPORTS, without Sensor							
	NXESM	NX Wired Dual RJ45 SmartPORTS and Integral NXSMP2-SMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming							
NX Connect	NXCS	NX Connect NXC-WIZ20 Wireless Indoor Occupancy and Photocell Sensor							

*Requires NXBTC

ORDERING

LCAT											
Model	Size	Plenum	CRI	Color Temp	Delivered Lumens	Ceiling Type	Shielding	Driver ⁴			
LCAT LED Contemporary Architectural Troffer	14 1'x4'	S Shallow	Blank >80 9 >90	30 3000K	LCAT14	G Grid Lay-in ³	Blank  CRG 	ED 0–10V Dimming ⁵			
	22 2'x2'			35 3500K	L025 2500 Lumens	SM Surface Mount		ED1 0–10V 1% Dimming			
	24 2'x4'			40 4000K	L032 3200 Lumens	CM Cable Suspended Mount		EDD 0–10V Dim-to-Dark			
	50 5000K			L036 3600 Lumens	ESD Step Dimming ⁶						
	2765T 2700K–6500K SpectraSync™ Tunable White ¹			L042 4200 Lumens	LUTH Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology ⁶						
				L048 4800 Lumens	LUTT T-Series 2-Channel Tunable White LED Driver, 1% Dimming ^{6,7}						
				L058 5800 Lumens	DALIP DALI Power Bus ⁶						
				L070 7000 Lumens ²							
				LCAT22							
	L021 2100 Lumens										
	L026 2600 Lumens										
	L031 3100 Lumens										
	L036 3600 Lumens										
	L044 4400 Lumens										
	L054 5400 Lumens										
	L062 6200 Lumens										
	LCAT24										
	L032 3200 Lumens										
	L036 3600 Lumens										
	L042 4200 Lumens										
	L048 4800 Lumens										
	L058 5800 Lumens										
	L070 7000 Lumens										
	L085 8500 Lumens										
	L097 9700 Lumens										
	L120 12000 Lumens										
	L130 13000 Lumens ²										
	L140 14000 Lumens ²										

Voltage	Options	Control Options ¹⁴
U 120–277V 347 347V	ELL14 Emergency Battery Pack Installed, 1400 Lumens ^{6,8,9}	<u>NX Networked – Wireless</u>
	ELL14ST Emergency Battery Pack Installed, 1400 Lumens, Self Test ^{6,8,9}	NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth® Programming, without Sensor ^{16,17}
	ELL14H2 Emergency Battery Pack Installed, 2-Hour Run Time ^{6,8,9,10}	NXWSM NX Networked Wireless Enabled Integral NXSMP2-SMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming ^{16,17}
	DTS Dimming Bypass Module ^{6,11}	<u>NX Networked – Wired</u>
	C388 3-wire Flex	NXE NX Wired Dual RJ45 SmartPORTS , without Sensor ^{15,16,17}
	C488 4-wire Flex	NXESM NX Wired Dual RJ45 SmartPORTS and Integral NXSMP2-SMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming ^{15,16,17}
	C588 5-wire Flex	<u>NX Connect – Wireless</u>
	GLR Fast Blow Fuse	NXCS NX Connect NXC-WIZ20 Wireless Indoor Occupancy and Photocell Sensor ^{6,17,18}
	CP Chicago Plenum ¹²	<u>Third-Party Control Options</u>
	WL Wet Location ¹³	ODPG Occupancy and Daylight Sensors w/ Grouping, Philips SNS200 ^{6,18,20}
		LVR Lutron Vive Integral Fixture Control DFCSJ-OEM-RF (RF only) ^{6,18,19,20}
		LVS Lutron Vive Integral Fixture Control DFCSJ-OEM-OCC (RF with daylight and occupancy sensing) ^{6,18,19,20}
		AWNRLutron Athena Integral Fixture Control A-WN-D01-RF-WH (RF only) ^{6,18,20}

Notes:

- 1 Available with ED or LUTT driver and 80 CRI only

2 Not available with emergency battery pack options; ELL14, ELL14ST, ELL142H and DTS

3 For drywall, order G with Flange Kit Accessory

4 Dimming curves may vary; dependent upon lumen output and driver option chosen. Separate dimming circuits are recommended if multiple driver options are chosen.

5 1V minimum low-end trim recommended when paired with a 0-10V dimmer

6 Not available in 347V

7 Not available with lumen packages L070 through L140, EM or Control options

8 For compatibility with Dual-Lite LiteGear® inverters, contact Lighting Representative

9 Only available with ED, ED1 and EDD driver options

10 Not available for use in Canada

11 For emergency circuit control loads including sensors and wireless systems CSA certified to UL 924. Only available with 0–10V drivers. Universal voltage only. See specification sheet for wiring diagram

12 Not available with CM or SM mounting options

13 Not available with EM or Control options
- All Controls

14 Minimum ambient temperature: 0°C (32°F)

NX In-Fixture Control Options

15 NXE and NXESM cannot be used with surface mount versions

16 NX only available with ED or ED1 driver options

17 NX combined with SpectraSync is not available in 347V

18 Only available with DALIP driver option

Third-Party Control Options

19 VIVE is a trademark of Lutron Electronics Co., Inc

20 Not available with SpectraSync (2765T)





ARCHITECTURAL AREA LIGHTING

BEACON

COLUMBIA LIGHTING

COMPASS

DUAL-LITE

EXO

FORUM

KIM LIGHTING

KURT VERSEN

LIFESHIELD

LITECONTROL

NX LIGHTING CONTROLS

PRESCOLITE

Current - HLI Brands

701 Millennium Blvd.
Greenville, SC 29607

currentlighting.com/prescolite

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