

LCAT

LED Contemporary Architectural Troffer

RECESSED ARCHITECTURAL



createchange



FEATURES

- 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
- 60,000 hour LEDs at L80 (up to 150,000 projected life) for reduced maintenance
- 83 CRI standard or optional 90 CRI for color sensitive applications
- HE lumen packages available
- LED modules and electrical accessible from below
- QR code traceability
- Compatible with Dual-Lite inverters
- Air return option
- Optional SpectraSync™ offers three modes of tunable white solutions and integrates seamlessly into a variety of control systems
- NX Distributed Intelligence™ provides options for standalone and networked integrated sensor with wired or wireless connectivity for NX system deployments
- DLC® (DesignLights Consortium) Qualified, with some Premium Qualified configurations - see www.designlights.org
- Five year warranty (Terms and Conditions apply)

ORDERING INFORMATION

LCAT									
MODEL		CRI	COLOR TEMP	LUMEN OUTPUT		CEILING TYPE	SHIELDING		
LCAT LED Contemporary Architectural Troffer		Blank >80 9 >90 ¹	30 3000K 35 3500K 40 4000K 50 5000K 2750T 2700K-5000K SpectraSync™ Tunable White ² 2765T 2700K-6500K SpectraSync™ Tunable White ²	XW Extra Low Watt XWHE XW High Efficacy VW Very Low Watt VWHE VW High Efficacy MW Medium Low Watt MWHE MW High Efficacy LW Low Watt	ML Medium Lumen MLHE ML High Efficacy HL High Lumen HLHE HL High Efficacy VL Very High Lumen ¹⁰ VLHE VL High Efficacy XL Extra High Lumen	G Grid Lay-in ³ SM Surface Mount ^{4,11} CM Cable/ Suspended Mount ^{4,5}	Blank Curve R Rectangular		
SIZE		AIR FUNCTION							
12 1' x 2' 14 1' x 4' 22 2' x 2' 24 2' x 4'		Blank Static A Air Return Side Slots							

¹ Not available with HE lumen output.

² Available with ED driver and 80 CRI only, N/A with HE, VL, 2x4-XL lumen outputs or ODPG sensor option.

³ For drywall, order G with Flange Kit Accessory.

⁴ Not available with Air Return (A) air function.

⁵ Order hanger accessories separately.

⁶ Limitations apply based on product size and lumen packages; see individual spec sheets.

⁷ For compatibility with Dual-Lite LiteGear® inverters, contact Hubbell Lighting Representative.

⁸ Not available in 347V.

⁹ For emergency circuit control loads including sensors and wireless systems CSA certified to UL 924. Only available with 0-10V drivers. Universal voltage only.

NX In-Fixture Control Options:

¹⁰ NX control function not available with VL lumen output (on 1x4 and 2x4).

¹¹ NXSW, NXWE, NXSWD and NXWD cannot be used with surface mount versions.

¹² NX is not available with ESD, LUTH, LUT5 or DALIP driver options.

¹³ NX combined with SpectraSync is not available in 347V.

¹⁴ For NX control and Flex Wire together, consult factory.

Third-Party Control Options:

¹⁵ LVS, LVR and ODPG only available with DALIP driver option.

¹⁶ Only available with ED driver option.

¹⁷ VIVE is a trademark of Lutron Electronics Co., Inc.

¹⁸ Installations controlled solely by the Lutron Pico controller require accessing the LV (Lutron FCJS) module for commissioning after the circuit has been energized.

¹⁹ Not available with SpectraSync (2750T or 2765T)

²⁰ Registered trademark of Daintree Networks, used by permission.

For questions about configuration options, contact Hubbell Representative.

DRIVER	VOLTAGE	OPTIONS	CONTROL OPTIONS
E Fixed Output ED 0-10V Dimming ED1 0-10V 1% Dimming EDD 0-10V Dim-to-Dark ESD Step Dimming ^{6,8,12} LUTH Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology ^{6,8,12} LUT5 5-Series EcoSystem LED driver ^{6,8,12} DALIP DALI Power Bus ^{8,15}	U 120V-277V 347 347V ¹³	ELL14 Emergency Battery Pack, 1400 Lumens ^{7,8} ELL14ST Emergency Battery Pack, 1400 Lumens, Self Test ^{7,8} ELL14H2 Emergency Battery Pack, 2-Hour Run Time ^{7,8} DTS Dimming Bypass Module ^{8,9} C388 3-Wire Flex ¹⁴ C488 4-Wire Flex ¹⁴ C588 5-Wire Flex ¹⁴ GLR Fast Blow Fuse EOR End of Row (SM and CM only. Provides end wiring access for continuous row mounting.) ⁴ INT Intermediate (SM and CM only. Provides end wiring access for continuous row mounting.) ⁴ CP Chicago Plenum	NX Standalone NXS NX, PIR BT Occupancy/Daylight Sensor, Slide Mount ^{12,13} NX Networked - Wired NXE NX, Dual SmartPorts ^{12,13} NXES NX, PIR BT Occupancy/Daylight Sensor, Slide Mount, Dual SmartPorts ^{12,13} NX Networked - Wireless NXSW NX Wireless, PIR BT Occupancy/Daylight Sensor ^{11,12,13} NXWE NX Wireless Enabled ^{11,12,13} NX Networked - Wired/Wireless Hybrid NXSWD NX, PIR BT Occupancy/Daylight Sensor, Wireless enabled, Dual SmartPorts ^{12,13} NXWD NX, Wireless Enabled, Dual SmartPorts ^{12,13} Third-Party Control Options ODPG ODPG Occupancy and Daylight Sensors w/ Grouping, Philips SNS200 ^{8,15,19} LV Lutron VIVE Attached FCJS POWPAK Fixture Control (RF only) ^{8,16,17,18,19} LVR Lutron VIVE Wireless DFCSJ-OEM-RF In-Fixture Control (RF only) ^{8,15,17,19} LVS Lutron VIVE Wireless DFCSJ-OEM-OCC In-Fixture Control with Daylight and Occupancy Sensing ^{8,15,17,19} ZRE ControlScope® compatible ^{8,19,20}

ACCESSORIES (ORDER SEPARATELY)

FK12	1' x 2' Single Flange Kit
FK14	1' x 4' Flange Kit
FK22	2' x 2' Flange Kit
FK24	2' x 4' Flange Kit
CM48Y2SC3F-KIT	48" Cable Mount Kit for 2' wide Cable Mount fixtures, 3-wire
CM48Y1SC3F-KIT	48" Cable Mount Kit for 1' wide Cable Mount fixtures, 3-wire

PRODUCT AVAILABILITY

SIZE	LUMEN PACKAGE	NOMINAL LUMENS	NOMINAL WATTS	LUMENS PER WATT
12	VW	1519-1730	13	114-130
	MW	1744-1986	18	99-113
	LW	2676-3047	23	118-135
	ML	3331-3794	29	116-132
	HL	3584-4083	32	113-129

Nominal lumen range represents 3000K through 5000K. Lumens vary according to color temperatures and other factors. See specific photometric test(s).

PRODUCT AVAILABILITY

SIZE	LUMEN PACKAGE	NOMINAL LUMENS	NOMINAL WATTS	LUMENS PER WATT
14	XW	2299-2478	19	119-128
	XWHE	2457-2648	19	127-136
	VW	3147-3584	28	114-130
	VWHE	3083-3511	24	128-146
	MW	3656-4164	32	113-129
	MWHE	3820-4351	31	125-142
	LW	4376-4985	36	122-138
	ML	4689-5341	38	122-139
	HL	5405-6156	44	123-140
	VL	6793-7738	58	118-135

PRODUCT AVAILABILITY

SIZE	LUMEN PACKAGE	NOMINAL LUMENS	NOMINAL WATTS	LUMENS PER WATT
22	VW	1567-1785	14	115-131
	VWHE	1530-1743	13	121-138
	MW	2049-2334	18	114-130
	MWHE	2010-2289	17	122-139
	LW	2689-3063	23	119-136
	ML	3320-3781	29	116-132
	MLHE	3392-3751	28	119-136
	HL	3599-4099	32	113-129
	HLHE	3497-3769	27	126-136
	VL	4270-4863	39	111-126
	VLHE	4257-4649	35	123-134
24	XW	2341-2524	19	123-132
	XWHE	2458-2650	19	129-139
	VW	3124-3558	28	113-129
	VWHE	3310-3770	27	123-140
	MW	3363-3831	30	111-127
	MWHE	3717-4234	31	121-138
	LW	4268-4861	36	118-135
	ML	4771-5434	39	123-140
	HL	5443-6200	44	124-141
	VL	6999-7972	59	119-135
	XL	8168-9304	74	111-126

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LIGHTING