

# LCAT14

1' x 4' LED CONTEMPORARY ARCHITECTURAL TROFFER

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

## 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
- HE lumen packages available
- LED modules and electrical accessible from below
- Optional architecturally styled integration of daylight and occupancy sensor(s)
- QR code traceability
- Compatible with Dual-Lite inverters



## CONTROL TECHNOLOGY



## 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
- 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
- Surface Mount (SM) option allows placement below ceiling plane
- Cable Mount (CM) option allows suspension below ceiling plane

### ELECTRICAL

- 60,000 hour LEDs at L80 for reduced maintenance
- 83 CRI standard or optional 90 CRI for color sensitive applications

### CONTROLS

- Optional SpectraSync™ offers two 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

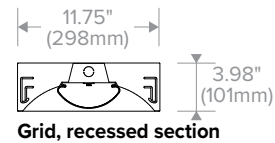
### CERTIFICATIONS

- 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 2108 standards, and bear appropriate cCSAus labels
- CSA certified to UL 924 standards with battery pack or DTS (Dimming Bypass Module) options
- Damp Location label standard
- Adheres to LM79, LM80, and TM21 industry standards



## RELATED PRODUCTS

- ∅ [LCAT12](#) ∅ [LCAT22](#) ∅ [LCAT24](#)



Grid, recessed section

### CERTIFICATIONS (CONTINUED)

- DLC® (DesignLights Consortium) Qualified, with some Premium Qualified configurations. Please refer to the DLC website for specific product qualifications at [www.designlights.org](http://www.designlights.org)
- NX is available in U.S., Canada and Mexico. For other locations consult factory
- The DTS, Dimming Bypass Module, is for emergency circuit control loads including sensors and wireless systems CSA certified to UL 924. See page 8 for wiring diagram. [Link to Dimming Bypass Module Specification sheet](#)

### WARRANTY

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information

KEY DATA	
Lumen Range	2039–7738
Wattage Range	19–59
Efficacy Range (LPW)	94–146
Reported Life (Hours)	L80/60,000
Input Current Range (mA)	68–490

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## ORDERING GUIDE

Example: LCAT14-35MLG-ESDU

CATALOG #

LCAT14									
Model	CRI	Color Temp	Delivered Lumens <sup>3</sup>	Ceiling Type	Shielding	Air Function	Driver		
LCAT14 1' x 4' LED Contemporary Architectural Troffer	Blank	>80	30 3000K	<b>XW</b> 2036-2586	<b>G</b> Grid Lay-in <sup>4</sup>	Blank Curve R Rectangular	Blank	Static	<b>E</b> Fixed Output
	9	>90 <sup>1</sup>	35 3500K	<b>XWHE</b> 2457-2680	<b>SM</b> Surface Mount <sup>5,12</sup>		<b>A</b> Air Return Side Slots	<b>ED</b> 0-10V Dimming	
			40 4000K	<b>VW</b> 2591-3584	<b>CM</b> Cable Suspended Mount <sup>5,6</sup>		<b>ED1</b> 0-10V 1% Dimming		
			50 5000K	<b>VWHE</b> 3083-3511			<b>EDD</b> 0-10V Dim-to-Dark		
			<b>2750T</b> 2700K-5000K SpectraSync™ Tunable White <sup>2</sup>	<b>MW</b> 3107-4164		<b>ESD</b> Step Dimming <sup>7,9,13</sup>			
			<b>2765T</b> 2700K-6500K SpectraSync™ Tunable White <sup>2</sup>	<b>MWHE</b> 3540-4351		<b>LUTH</b> Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology <sup>7,9,13</sup>			
				<b>LW</b> 3611-4985		<b>LUT5</b> 5-Series EcoSystem LED driver <sup>7,9,13</sup>			
				<b>ML</b> 4039-5341		<b>DALIP</b> DALI Power Bus <sup>16</sup>			
				<b>HL</b> 4471-6156					
				<b>VL</b> 5615-7738 <sup>11</sup>					

Voltage	Options	Control Options
<b>U</b> 120-277V <b>347</b> 347V <sup>14</sup>	<b>ELL14</b> Emergency Battery Pack Installed, 1400 Lumens <sup>8,9</sup> <b>ELL14ST</b> Emergency Battery Pack, 1400 Lumens, Self Test <sup>8,9</sup> <b>ELL14H2</b> Emergency Battery Pack, 2-Hour Run Time <sup>8,9</sup> <b>DTS</b> Dimming Bypass Module <sup>10</sup> <b>C388</b> 3-wire Flex <sup>15</sup> <b>C488</b> 4-wire Flex <sup>15</sup> <b>C588</b> 5-wire Flex <sup>15</sup> <b>GLR</b> Fast Blow Fuse <b>EOR</b> End of Row (SM and CM only. Provides end wiring access for continuous row mounting.) <sup>5</sup> <b>INT</b> Intermediate (SM and CM only. Provides ends with wiring access for continuous row mounting.) <sup>5</sup> <b>CP</b> Chicago Plenum	<b>NX Standalone</b> <b>NXS</b> NX, PIR BT Occupancy/Daylight Sensor, Slide Mount <sup>13,14</sup> <b>NX Networked - Wired</b> <b>NXE</b> NX, Dual SmartPORTS <sup>13,14</sup> <b>NXES</b> NX, PIR BT Occupancy/Daylight Sensor, Slide Mount, Dual SmartPORTS <sup>13,14</sup> <b>NX Networked - Wireless</b> <b>NXSW</b> NX Wireless, PIR BT Occupancy/Daylight Sensor <sup>12,13,14</sup> <b>NXWE</b> NX Wireless Enabled <sup>12,13,14</sup> <b>NX Networked - Wired/Wireless</b> <b>NXSWD</b> NX, PIR BT Occupancy/Daylight Sensor, Wireless enabled, Dual SmartPORTS <sup>13,14</sup> <b>NXWD</b> NX, Wireless Enabled, Dual SmartPORTS <sup>13,14</sup> <b>Third-Party Control Options</b> <b>ODPG</b> Occupancy and Daylight Sensors w/ Grouping, Philips SNS200 <sup>9,16,20</sup> <b>LV</b> Lutron VIVE Attached FCJS POWPAK Fixture Control (RF only for 0-10V drivers) <sup>9,17,18,19,20</sup> <b>LVR</b> Lutron VIVE Integral Fixture Control DFCSJ-OEM-RF (RF only) <sup>9,16,18,20</sup> <b>LVS</b> Lutron VIVE Integral Fixture Control DFCSJ-OEM-OCC (RF with daylight and occupancy sensing) <sup>9,16,18,20</sup> <b>ZRE</b> ControlScope® compatible <sup>9,20,21</sup>

### Accessories

- FK14** 1' x 4' Single Flange Kit (Shipped separately)
- CM48Y1SC3F48** 48" Cable Mount Kit for 1' wide Cable Mount fixtures, 3-wire

Notes:

- Not available with HE lumen output
- Available with ED driver and 80 CRI only. Not available with HE or VL lumen outputs
- High efficacy versions designated with "HE"
- For drywall, order G with Flange Kit Accessory
- Not available with Air Return (A) air function
- Order hanger accessories separately
- Limitations apply based on lumen packages (see [Product Exceptions & Details](#))
- For compatibility with Dual-Lite LiteGear® inverters, contact Hubbell Lighting Representative
- Not available in 347V
- 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 page 8 for wiring diagram
- NX control function not available with VL lumen output
- NXSW, NXWE, NXSWD and NXWD cannot be used with surface mount versions
- NX is not available with ESD, LUTH, LUT5 or DALIP driver options
- NX combined with Spectrasync is not available in 347V
- For NX control and Flex Wire together, consult factory
- Third-Party Control Options:**
- LVS, LVR and ODPG only compatible with DALIP driver option
- Only available with ED driver option
- VIVE is a trademark of Lutron Electronics Co., Inc
- Installations controlled solely by the Lutron Pico controller require accessing the LV (Lutron FCJS) module for commissioning after the circuit has been energized
- Not available with SpectraSync (2750T or 2765T)
- Registered trademark of Daintree Networks, used by permission

For questions about configuration options, contact Hubbell Representative

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## PRODUCT EXCEPTIONS & DETAILS

Driver options listed below are available for the outputs as shown.

DRIVER AVAILABILITY TABLE										
	XW	XWHE	VW	VWHE	MW	MWHE	LW	ML	HL	VL
E	X	X	X	X	X	X	X	X	X	X
ED	X	X	X	X	X	X	X	X	X	X
ED1	X	X	X	X	X	X	X	X	X	X
EDD			X		X		X	X	X	
ESD	X	X	X	X	X	X	X	X	X	X
LUT5	X		X		X		X	X	X	
LUTH	X		X		X		X	X	X	
DALIP			X	X	X	X	X	X	X	X
347	X		X		X		X	X	X	

## CONTROLS

### NX Distributed Intelligence™ Lighting Controls:

Supports both indoor and outdoor applications in a variety of deployment options- wired, wireless, hybrid. Integrates with and enables a wide array of luminaires including those with SpectraSync™ Color Tuning Technology.



NX INTEGRATED CONTROLS REFERENCE									
NX Option	Sensor	Networkable	Scheduling	Occupancy	Daylight Harvesting	0-10V Dimming	On/off Control	Bluetooth® App Programming	
<b>NX Standalone</b>									
<a href="#">NXS</a>	<a href="#">NXSMP-SMI</a>	No	Yes	Yes	Yes	Yes	Yes	Yes	
<b>NX Networked – Wired</b>									
<a href="#">NXE</a>	N/A	Yes	Yes	No	No	Yes	Yes	Requires <a href="#">NXBTC/R</a> <sup>1</sup>	
<a href="#">NXES</a>	<a href="#">NXSMP-SMI</a>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
<b>NX Networked – Wireless</b>									
<a href="#">NXSW</a>	<a href="#">NXSMP-SMI</a>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
<a href="#">NXWE</a>	N/A	Yes	Yes	No	No	Yes	Yes	No <sup>2</sup>	
<b>NX Networked – Wired/Wireless</b>									
<a href="#">NXSWD</a>	<a href="#">NXSMP-SMI</a>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
<a href="#">NXWD</a>	N/A	Yes	Yes	No	No	Yes	Yes	Requires <a href="#">NXBTC/R</a> <sup>1,2</sup>	

1 NXBTC/R needs to be plugged into an available NX SmartPORT™ on the fixture network  
 2 To program NXWE option, need to consult factory. If connected to an area controller, programming can be done from that

### Philips EasySense Controls ODPG Sensor:



- Occupancy sensing, daylight harvesting, task tuning and grouping in one device
- Standalone control or grouping to wireless switches<sup>1</sup>
- Uses Philips field apps for on site commissioning<sup>2,3</sup>
- Ability to create scenes for various room configurations
- Cost-effective solution for energy-savings and code-compliance strategies
- DLC® Qualified: Listed on the GPL for Networked Lighting Controls. Please refer to the DLC website for specific product qualifications at [www.designlights.org](http://www.designlights.org)

1 Wireless switches only compatible with ODPG Philips EasySense  
 2 [See link to Philips commissioning](#)  
 3 Requires android device or IR dongle. See links for [phone compatibility](#) and [IR dongle](#)

### Wireless Switch Accessories<sup>1</sup>

- [PESR-WH](#) EasySense compatible wireless single rocker switch, white
- [PEDR-WH](#) EasySense compatible wireless dual rocker switch, white



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## CONTROLS (CONTINUED)

### SpectraSync™ Color Tuning Technology:

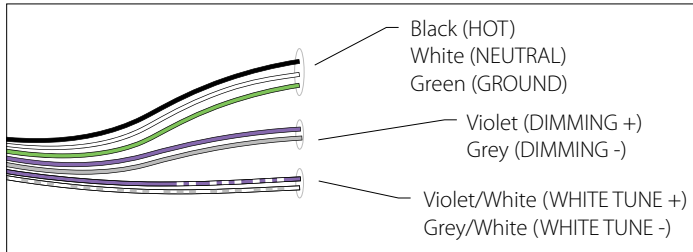
Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with distinct SpectraSync™ Color Tuning Technologies.



SPECTRASYNC COLOR TUNING TECHNOLOGY		
Mode	Kelvin Range	Description
Tunable White	2700K–5000K 2700K–6500K	Offers users the ability to tailor CCT to their personal preference, enhancing task visibility, material and colors or the aesthetics of the space

### SpectraSync Tunable White

Available in two options: 2750T (2700K–5000K) or 2765T (2700K–6500K). Requires two 0–10V controllers, one for intensity and one for CCT. Minimum 5% dimming.

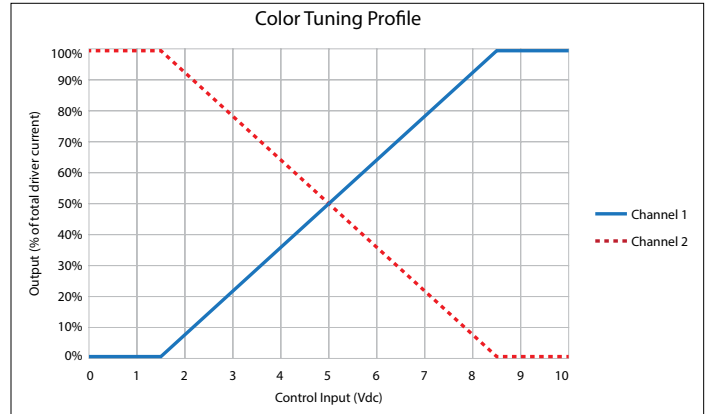


SpectraSync Tunable White luminaires are provided with two 0–10V circuits. The violet and grey circuit is for wiring to any qualified 0–10V controller for dimming. The violet/white and grey/white circuit is for wiring to any qualified 0–10V controller for Tunable White CCT control.

### Controller Manufacturer Data

SpectraSync Tunable White was designed to be used with sinking style dimmers (provided by others) and is compatible with:

- Hubbell Control Solutions (HCS): NX Distributed Intelligence™ Room Controllers (NXRC) and In-fixture Controllers (NXFM)
- Lutron: DDTV, DVSTV, and NFTV dimmers
- Wattstopper: ADF120277 and CD4BL (Titan) dimmers



To enable scheduling and for use with NX wall control preset stations please refer to Hubbell Control Solutions NX SpectraSync technical sheet.

## DELIVERED LUMENS, SPECTRASYNC™



Shielding	Lumen Output	Watts	2700		3000		3500		4000		5000		6500	
			Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
Curve	XW	19	2200	113	2299	119	2340	121	2370	122	2448	126	2412	124
	VW	28	3012	110	3147	114	3204	116	3245	118	3352	122	3301	120
	MW	32	3499	108	3656	113	3722	115	3769	117	3894	121	3835	119
	LW	36	4188	116	4376	122	4455	124	4512	125	4660	129	4590	128
	ML	38	4487	117	4689	122	4773	125	4834	126	4994	130	4919	128
	HL	44	5173	118	5405	123	5502	125	5573	127	5756	131	5670	129
	VL	58	6501	113	6793	118	6915	120	7004	122	7235	126	7126	124
Rectangle	XW	21	2295	111	2398	116	2441	119	2472	120	2554	124	2516	122
	VW	28	2916	106	3047	111	3102	113	3141	114	3245	118	3196	116
	MW	32	3508	109	3666	113	3732	116	3780	117	3904	121	3846	119
	LW	36	4063	113	4246	118	4322	120	4378	122	4522	126	4454	124
	ML	38	4545	119	4749	124	4834	126	4896	128	5058	132	4982	130
	HL	44	5034	116	5260	121	5355	123	5423	125	5602	129	5518	127
	VL	58	6322	109	6606	114	6725	116	6811	118	7035	122	6930	120

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## DELIVERED LUMENS

Product Availability 80 CRI				
Lumen Package	Shielding	Lumens	Input Watts	LPW
LCAT14-30XW	Curve	2299	19	119
LCAT14-30XWx-R	Rectangle	2398	21	116
LCAT14-30XWHE	Curve	2457	19	129
LCAT14-30XWHEx-R	Rectangle	2486	20	124
LCAT14-35XW	Curve	2377	19	123
LCAT14-35XWx-R	Rectangle	2480	21	120
LCAT14-35XWHE	Curve	2540	19	134
LCAT14-35XWHEx-R	Rectangle	2570	20	129
LCAT14-40XW	Curve	2414	19	124
LCAT14-40XWx-R	Rectangle	2519	21	122
LCAT14-40XWHE	Curve	2580	19	136
LCAT14-40XWHEx-R	Rectangle	2610	20	131
LCAT14-50XW	Curve	2478	19	128
LCAT14-50XWx-R	Rectangle	2586	21	126
LCAT14-50XWHE	Curve	2648	19	139
LCAT14-50XWHEx-R	Rectangle	2680	20	134
LCAT14-30VW	Curve	3147	28	114
LCAT14-30VWx-R	Rectangle	3047	28	111
LCAT14-30VWHE	Curve	3083	24	128
LCAT14-30VWHEx-R	Rectangle	3161	26	122
LCAT14-35VW	Curve	3241	28	118
LCAT14-35VWx-R	Rectangle	3150	28	115
LCAT14-35VWHE	Curve	3175	24	132
LCAT14-35VWHEx-R	Rectangle	3268	26	126
LCAT14-40VW	Curve	3291	28	120
LCAT14-40VWx-R	Rectangle	3200	28	116
LCAT14-40VWHE	Curve	3224	24	134
LCAT14-40VWHEx-R	Rectangle	3319	26	128
LCAT14-50VW	Curve	3584	28	130
LCAT14-50VWx-R	Rectangle	3285	28	119
LCAT14-50VWHE	Curve	3511	24	146
LCAT14-50VWHEx-R	Rectangle	3407	26	131
LCAT14-30MW	Curve	3656	32	113
LCAT14-30MWx-R	Rectangle	3666	32	113
LCAT14-30MWHE	Curve	3820	31	123
LCAT14-30MWHEx-R	Rectangle	3540	29	122
LCAT14-35MW	Curve	3766	32	117
LCAT14-35MWx-R	Rectangle	3791	32	117
LCAT14-35MWHE	Curve	3935	31	127
LCAT14-35MWHEx-R	Rectangle	3661	29	126
LCAT14-40MW	Curve	3824	32	118
LCAT14-40MWx-R	Rectangle	3850	32	119
LCAT14-40MWHE	Curve	3996	31	129
LCAT14-40MWHEx-R	Rectangle	3717	29	128
LCAT14-50MW	Curve	4164	32	129
LCAT14-50MWx-R	Rectangle	3953	32	122
LCAT14-50MWHE	Curve	4351	31	140
LCAT14-50MWHEx-R	Rectangle	3816	29	132
LCAT14-30LW	Curve	4376	36	122
LCAT14-30LWx-R	Rectangle	4246	36	118
LCAT14-35LW	Curve	4508	36	125
LCAT14-35LWx-R	Rectangle	4391	36	122
LCAT14-40LW	Curve	4578	36	127
LCAT14-40LWx-R	Rectangle	4459	36	124
LCAT14-50LW	Curve	4985	36	138
LCAT14-50LWx-R	Rectangle	4578	36	127

Product Availability 90 CRI				
Lumen Package	Shielding	Lumens	Input Watts	LPW
LCAT14-930XW	Curve	2105	21	102
LCAT14-930XWx-R	Rectangle	2039	21	99
LCAT14-935XW	Curve	2150	21	104
LCAT14-935XWx-R	Rectangle	2082	21	101
LCAT14-940XW	Curve	2197	21	107
LCAT14-940XWx-R	Rectangle	2127	21	103
LCAT14-950XW	Curve	2340	21	114
LCAT14-950XWx-R	Rectangle	2266	21	110
LCAT14-930VW	Curve	2674	28	97
LCAT14-930VWx-R	Rectangle	2591	28	94
LCAT14-935VW	Curve	2738	28	100
LCAT14-935VWx-R	Rectangle	2645	28	96
LCAT14-940VW	Curve	2801	28	102
LCAT14-940VWx-R	Rectangle	2702	28	98
LCAT14-950VW	Curve	2958	28	108
LCAT14-950VWx-R	Rectangle	2878	28	105
LCAT14-930MW	Curve	3107	32	96
LCAT14-930MWx-R	Rectangle	3118	32	97
LCAT14-935MW	Curve	3180	32	98
LCAT14-935MWx-R	Rectangle	3183	32	99
LCAT14-940MW	Curve	3254	32	101
LCAT14-940MWx-R	Rectangle	3252	32	101
LCAT14-950MW	Curve	3437	32	106
LCAT14-950MWx-R	Rectangle	3464	32	107
LCAT14-930LW	Curve	3720	36	103
LCAT14-930LWx-R	Rectangle	3611	36	100
LCAT14-935LW	Curve	3808	36	106
LCAT14-935LWx-R	Rectangle	3686	36	102
LCAT14-940LW	Curve	3895	36	108
LCAT14-940LWx-R	Rectangle	3766	36	105
LCAT14-950LW	Curve	4113	36	114
LCAT14-950LWx-R	Rectangle	4011	36	111

(Tables continue on next page.)

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## DELIVERED LUMENS (CONTINUED)

Product Availability 80 CRI				
Lumen Package	Shielding	Lumens	Input Watts	LPW
LCAT14-30ML	Curve	4689	38	122
LCAT14-30MLx-R	Rectangle	4749	38	124
LCAT14-35ML	Curve	4830	38	126
LCAT14-35MLx-R	Rectangle	4911	38	128
LCAT14-40ML	Curve	4905	38	128
LCAT14-40MLx-R	Rectangle	4988	38	130
LCAT14-50ML	Curve	5341	38	139
LCAT14-50MLx-R	Rectangle	5122	38	134
LCAT14-30HL	Curve	5405	44	123
LCAT14-30HLx-R	Rectangle	5260	44	121
LCAT14-35HL	Curve	5567	44	127
LCAT14-35HLx-R	Rectangle	5439	44	125
LCAT14-40HL	Curve	5653	44	129
LCAT14-40HLx-R	Rectangle	5524	44	127
LCAT14-50HL	Curve	6156	44	140
LCAT14-50HLx-R	Rectangle	5672	44	130
LCAT14-30VL	Curve	6793	58	118
LCAT14-30VLx-R	Rectangle	6606	58	114
LCAT14-35VL	Curve	6997	58	122
LCAT14-35VLx-R	Rectangle	6830	58	118
LCAT14-40VL	Curve	7106	58	124
LCAT14-40VLx-R	Rectangle	6937	58	120
LCAT14-50VL	Curve	7738	58	135
LCAT14-50VLx-R	Rectangle	7122	58	123

Product Availability 90 CRI				
Lumen Package	Shielding	Lumens	Input Watts	LPW
LCAT14-930ML	Curve	4158	38	109
LCAT14-930MLx-R	Rectangle	4039	38	105
LCAT14-935ML	Curve	4247	38	111
LCAT14-935MLx-R	Rectangle	4124	38	108
LCAT14-940ML	Curve	4339	38	113
LCAT14-940MLx-R	Rectangle	4213	38	110
LCAT14-950ML	Curve	4621	38	121
LCAT14-950MLx-R	Rectangle	4487	38	117
LCAT14-930HL	Curve	4656	43	107
LCAT14-930HLx-R	Rectangle	4471	44	103
LCAT14-935HL	Curve	4756	43	110
LCAT14-935HLx-R	Rectangle	4567	44	105
LCAT14-940HL	Curve	4859	43	112
LCAT14-940HLx-R	Rectangle	4665	44	107
LCAT14-950HL	Curve	5175	43	119
LCAT14-950HLx-R	Rectangle	4969	44	114
LCAT14-930VL	Curve	5621	58	97
LCAT14-930VLx-R	Rectangle	5615	58	97
LCAT14-935VL	Curve	6192	59	105
LCAT14-935VLx-R	Rectangle	5735	58	99
LCAT14-940VL	Curve	6283	59	107
LCAT14-940VLx-R	Rectangle	5859	58	101
LCAT14-950VL	Curve	6450	59	110
LCAT14-950VLx-R	Rectangle	6240	58	108

# LCAT14

1' x 4' LED CONTEMPORARY ARCHITECTURAL TROFFER

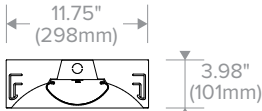
DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

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

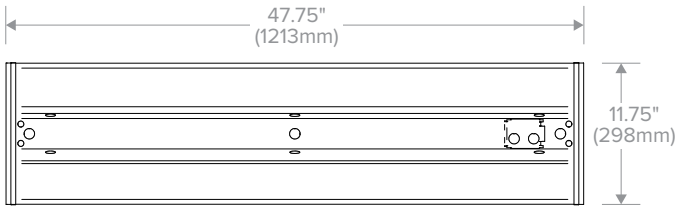
CATALOG #: \_\_\_\_\_

## DIMENSIONS

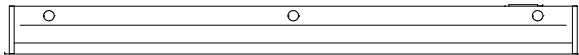
### GRID



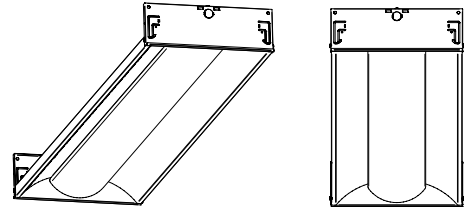
Grid, recessed section



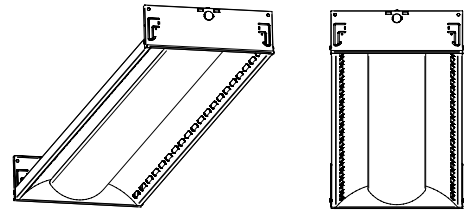
Grid, back of housing



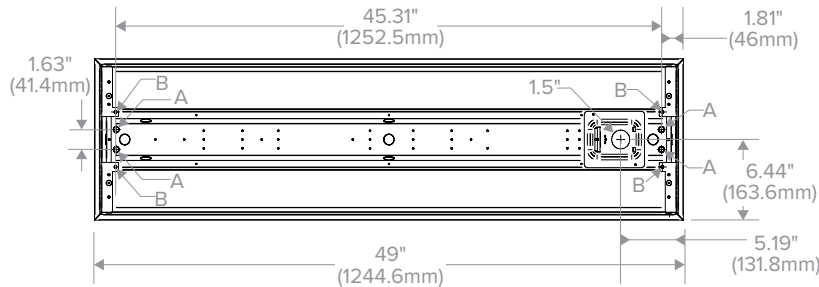
### GRID, STATIC



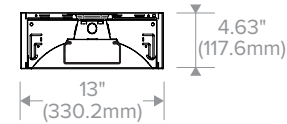
### GRID, AIR RETURN



## SURFACE MOUNT OR CABLE MOUNT, STATIC ONLY



Surface Mount (SM) and Cable Mount (CM), back of housing



Surface section (SM)

### Surface Mount:

Order SM ceiling type. Mounting collar required for surface mounting. (4) Mounting knock-outs, 3/8", provided in center channel as indicated at left, marked A.

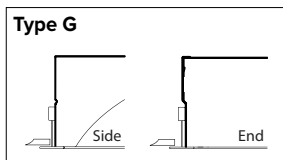
### Cable Mount:

Order CM ceiling type. Use CM48Y1SC3F48 48" Cable Mount Kit for 1' wide CM trim fixtures. Mounting holes are provided in diagonal straps shown at left, marked B.

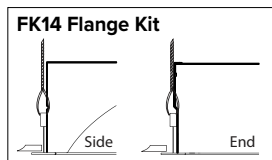
\* For Cable Mount a 2" x 3" access plate with (4) 3/8" KO's provided in place of Mounting Collar shown.

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

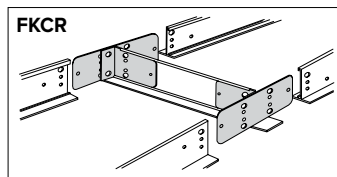
## CEILING COMPATIBILITY



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 3/8", Length [48" x (# in row)] + 3/8". Example: (48" x 2) + 3/8" = 96 3/8"

**Flange kit cut out dimension for single unit only: 12 3/8" x 48 3/8"**

# LCAT14

1' x 4' LED CONTEMPORARY ARCHITECTURAL TROFFER

## PHOTOMETRY

### LCAT14-35LWG-EU

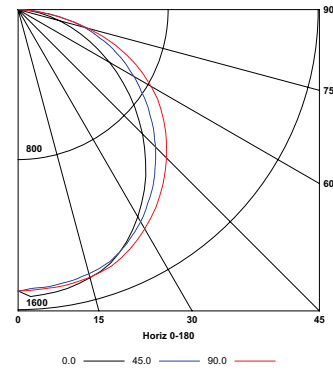
#### LUMINAIRE DATA

Test No.	16477
Description	1' x 4' LED architectural troffer with frosted linear prisms lens
Delivered Lumens	4508
Watts	36.00
Efficacy	125
Mounting	Recessed
Spacing Criterion	0° = 1.25 90° = 1.33

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	1193	26.5
0-40	1959	43.5
0-60	3482	77.3
0-90	4508	100
0-180	4508	100

#### POLAR GRAPH



### LCAT14-35MLG-EU

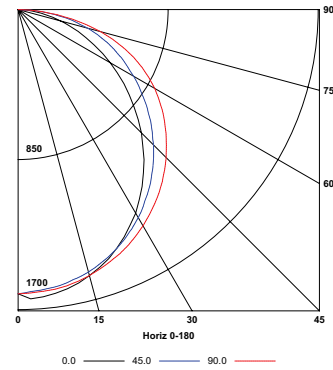
#### LUMINAIRE DATA

Test No.	16480
Description	1' x 4' LED architectural troffer with frosted linear prisms lens
Delivered Lumens	4830
Watts	38.30
Efficacy	126
Mounting	Recessed
Spacing Criterion	0° = 1.23 90° = 1.30

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	1253	25.9
0-40	2054	42.5
0-60	3663	75.8
0-90	4830	100
0-180	4830	100

#### POLAR GRAPH



### LCAT14-35HLG-EU

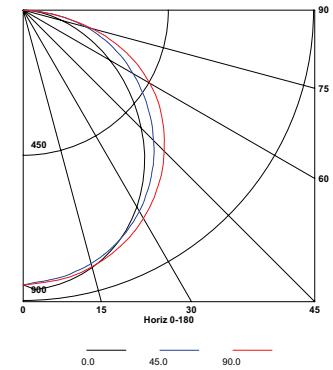
#### LUMINAIRE DATA

Test No.	16483
Description	1' x 4' LED architectural troffer with frosted linear prisms lens
Delivered Lumens	5567
Watts	43090
Efficacy	127
Mounting	Recessed
Spacing Criterion	0° = 1.23 90° = 1.30

#### ZONAL LUMEN SUMMARY

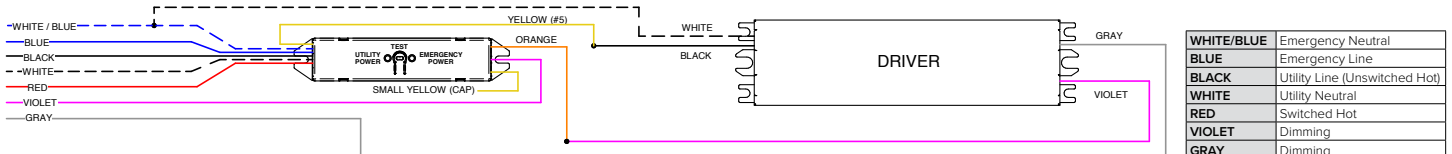
Zone	Lumens	% Luminaire
0-30	1472	26.4
0-40	2413	43.3
0-60	4287	77
0-90	5567	100
0-180	5567	100

#### POLAR GRAPH



## ADDITIONAL INFORMATION

### DTS WIRING DIAGRAM (0-10V DIMMING DRIVER SHOWN)



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