cûrv

SPOTLIGHT

LCV CURV LED | CV CURV FLUORESCENT

Glare-free indirect lighting.

Energy efficient LED and fluorescent sources.

Integral sensor and egress solutions.

ALERA
LIGHTING

HUBBELL
HUBBELL
Lighting

CURV INDIRECT LIGHTING

– A graceful curved shape providing indirect illumination
– Compliments most architecture for retrofit or new construction of office, education,
  healthcare, and municipal buildings
– Popular applications include areas where laptops, tablets, and smartphones require
  special attention to glare concerns, or where daylight harvesting is part of the building design

PERFORATED HOUSING

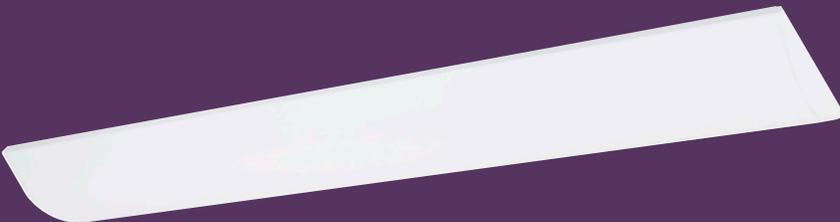Pleasant, glowing profile, shown with installed daylight sensor
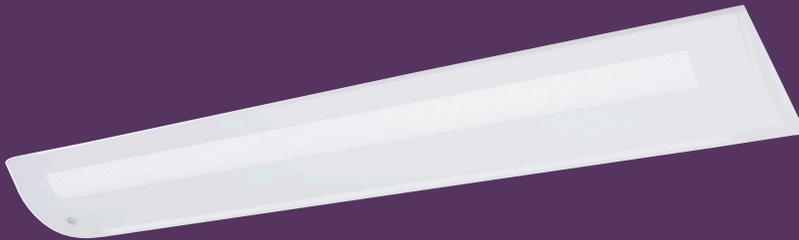
SQUARE PERFORATED HOUSING

2" Square Perforated Housing

SOLID HOUSING

Smooth Curved Profile

END CAPS

Select one of three ends to compliment the space

FLAT END
Standard

SCULPTED END
Optional
Adds 5⁵/₁₆" per end
(10⁵/₈" total)

BULL NOSE END
Optional
Adds 5¹/₁₆" per end
(10¹/₈" total)

INTEGRAL SENSORS

Curv indirect products are fully compatible with daylight and occupancy sensors. The curv family can be ordered and shipped with sensors integral to the luminaire or configured to operate with ceiling or wall mounted sensors by others.

ALERA EXPRESS QUICK SHIP

Our popular 10-day shipping program features many Curv configurations.

CUSTOMER SUPPORT

Our team of specialists are ready to work with you on project planning, rough-in drawings, and technical assistance. Call (864) 678-1000 or visit aleralighting.com.

CURV INDIRECT LIGHTING
LED

Attractive and affordable Curv LED provides substantial energy savings, new technology, and low maintenance.
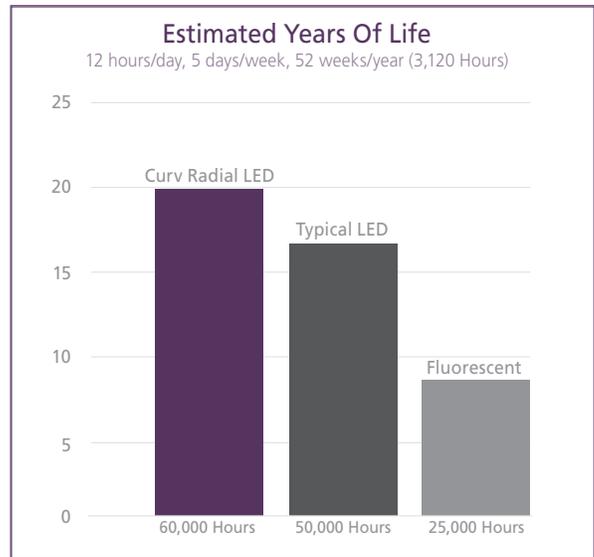
Curv LED is a simple replacement for fluorescent, with exceptional life and lumen maintenance for dependable performance over time.

EXCEPTIONAL LED QUALITY

Estimated Lumens Over Life: L90 vs L70

— L90
— L70
- - - Linear (L70)

60,000 Hours
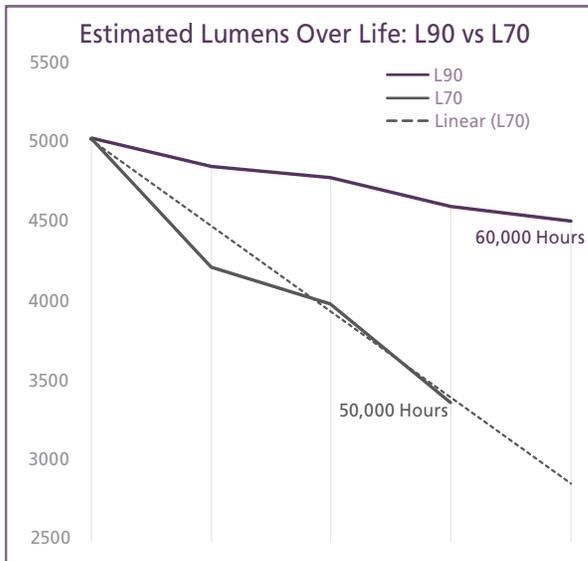
50,000 Hours

Compare Curv LED's L90 lumen maintenance at 60,000 hours to the industry standard L70 at 50,000 hours.

Estimated Years Of Life
12 hours/day, 5 days/week, 52 weeks/year (3,120 Hours)

Curv Radial LED — 60,000 Hours
Typical LED — 50,000 Hours
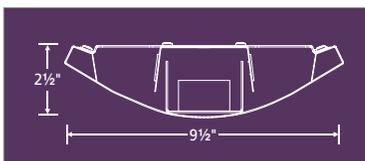Fluorescent — 25,000 Hours

Compare Curv LED's 60,000 hours of life to the industry standard LED at 50,000 hours and fluorescent at 20,000 to 25,000 hours.
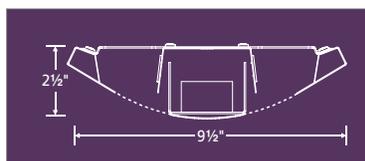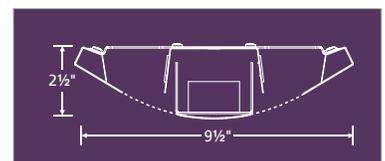
HOUSING STYLES & DISTRIBUTION

SOLID
100% Up
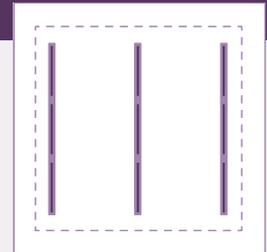2½"
9½"

PERFORATED
94% Up 6% Down
2½"
9½"

SQUARE PERFORATED
82% Up 18% Down
2½"
9½"

LIGHTING LAYOUT

40' x 40' x 10' Reflectance 80/50/20 | 8.5' Mounting Height | (3) 32' Rows (Quantity 12 of 8' Luminaires)

RESULTS

OFFICE

✓ Within recommended light levels. Below ASHRAE 90.1-2013 lighting power density, whole building, office.

| LCV ML AVERAGE FOOTCANDLES | 34fc |
| LCV ML LIGHTING POWER DENSITY | 0.65 w/ft² |

OFFICE & EDUCATION

✓ Within recommended light levels. Below ASHRAE 90.1-2013 lighting power density, space-by-space requirements.

| LCV HL AVERAGE FOOTCANDLES | 41fc |
| LCV HL LIGHTING POWER DENSITY | 0.83 w/ft² |

Three LED colors, five lumen packages and three driver selections make LCV easy to work with. See ordering guide below.

PRODUCT AVAILABILITY

LED Lumen Package	Nominal Lumens	Nominal Watts	Lumens/ Watt
VW	3200	27	119
LW	4200	38	111
ML	5200	47	111
HL	6200	54	115
VL	7500	61	123

Information above is nominal and varies based on actual configurations ordered. Please see photometric tests at www.aleralighting.com for details.

ORDERING INFORMATION

EXAMPLE: LCV-32-35ML-PERF-CM48-EDU-MW

LCV — __ — __ __ — __ — __ — __

MODEL	LED COLOR	HOUSING TYPE	ADJUSTABLE CABLE LENGTH	VOLTAGE	FINISH
LCV Curv LED	**30** 3000K	**PERF** Perforated	**48** 48"	**U** 120V-277V	**MB** Black
	35 3500K	**S** Solid	**96** 96"		**MW** Matte White (Std.)
	40 4000K	**SQP** 2" Square Perforated	Other lengths available on request.		**ZT** ZET Metallic Silver
	2750T 2700K-5000K SpectraSync™ Tunable White				See Color Selection Guide for other color selections.
	2765T 2700K-6500K SpectraSync™ Tunable White				

ROW LENGTH	LED LUMEN PACKAGE	MOUNTING METHOD	DRIVER	OPTIONS
4 4' Single	**VW** Very Low Watt	**FCM** Fixed Cable Mount	**E** Fixed Output	**DC** Dust Cover[4]
8 8' Single	**LW** Low Watt	**CM** Adjustable Aircraft Cable Mount	**ED** 0-10V 1% Dimming 6	**SCE** Sculpted End Cap (5⁵⁄₁₆")[4]
12 12' Single	**ML** Medium Lumen			**BN** Bull Nose End Cap (5¹⁄₁₆")[4]
— Indicate row length over 12' in 4' increments	**HL** High Lumen			**ELL10** Emergency Battery Pack Installed[1]
Note: Rows over 12' will be configured by Alera. Example: 16' will be (2) 8'. Alternate configurations: contact factory.	**VL** Very High Lumen			**ELL10ST** Emergency Battery Pack, Self Testing, Installed[1]
				EMC One Emergency Circuit[2,3]
				NLC Night Light Circuit[2,3]
				GTD Generator Transfer Device[2]
				GLR Fast Blow Fuse
				TBAR T-Bar Mounting
				DS_ Integral Daylight Sensor[2,5]
				OS_ Integral Occupancy Sensor[2,5]
				NX_ NX Distributed Intelligence[1,4]
				SLC Sloped Ceiling Coupler (45° swivel from vertical)
				A/B A/B Circuitry

[1] For additional, specify quantity before nomenclature (Example: 2ELL10).
[2] Not available with all configurations; some limitations apply.
[3] One feed drop per EMC or NLC. Contact factory for through wiring.
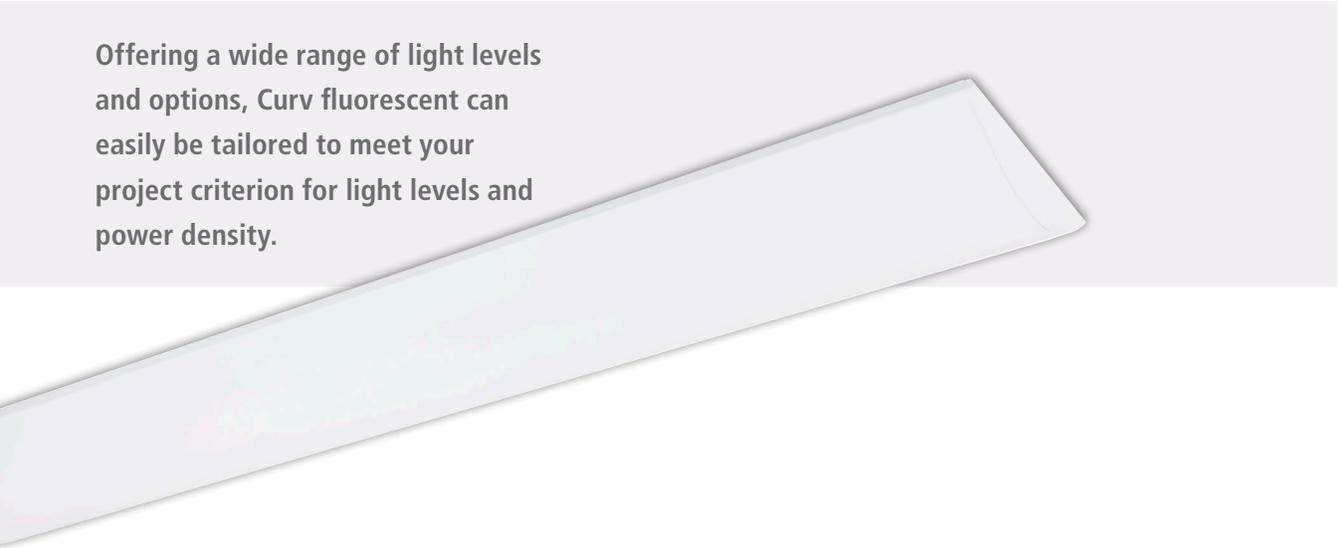[4] Ships separately.
[5] See Sensor Options Guide for details on integral occupancy and daylight sensors.
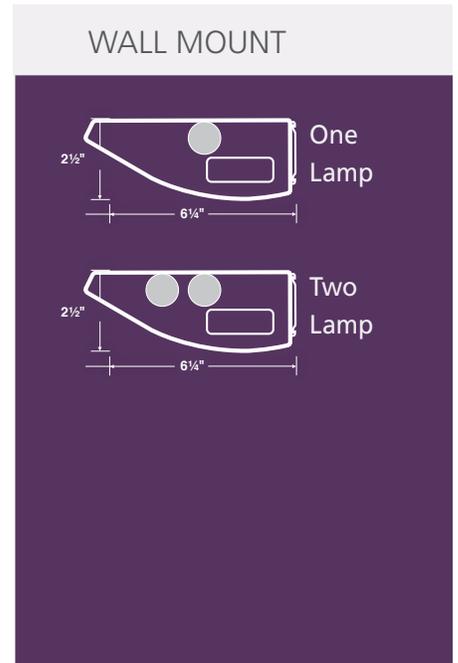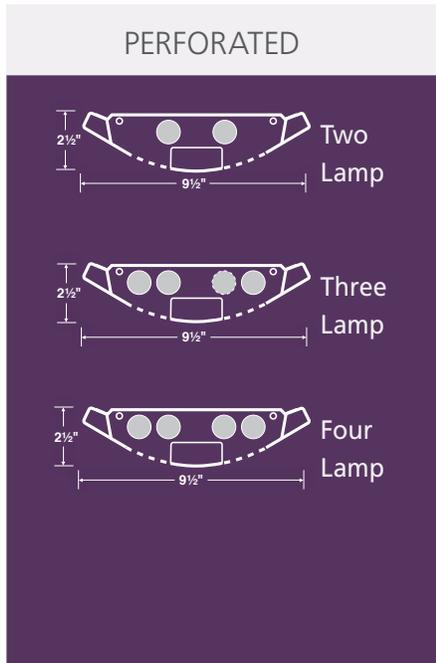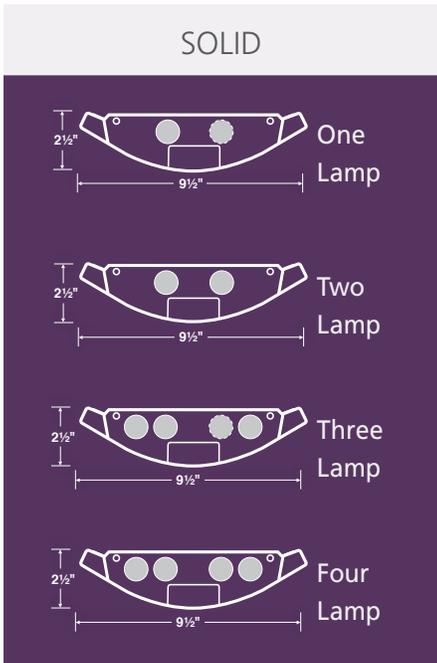[6] 5% dimming minimum when SpectraSync selected.

CURV INDIRECT LIGHTING
FLUORESCENT

Offering a wide range of light levels and options, Curv fluorescent can easily be tailored to meet your project criterion for light levels and power density.

HOUSING STYLES & DISTRIBUTION

100% Up   98% Up   2% Down

SOLID	PERFORATED	WALL MOUNT
2½" 9½" One Lamp	2½" 9½" Two Lamp	2½" 6¼" One Lamp
2½" 9½" Two Lamp	2½" 9½" Three Lamp	2½" 6¼" Two Lamp
2½" 9½" Three Lamp	2½" 9½" Four Lamp	
2½" 9½" Four Lamp		
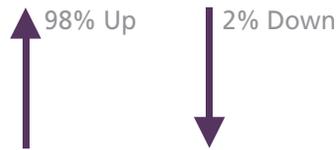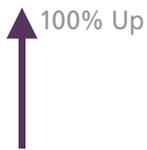
LIGHTING LAYOUT

1T8 & 2T8: (3) 32' Rows | 3T8: (2) 32' Rows | 4T8: (2) 28' Rows

RESULTS (Average Footcandles at 2.5')

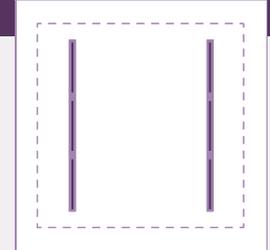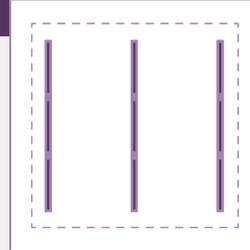|	
20 FOOTCANDLES	**1T8**
30 FOOTCANDLES	**2T8**
40 FOOTCANDLES	**3T8**
50 FOOTCANDLES	**4T8**

PRODUCT AVAILABILITY

Lamps in Cross Section	Nominal Lumens (0.88 BF applied)	Watts	Efficiency	Efficacy (Lumens per Watt)
1T8	2470	29	96.8%	85
2T8	4875	59	95.8%	83
3T8	6700	84	87.7%	80
4T8	8750	107	85.7%	82

Note: Also available in T5 and T5HO

Information above is nominal and varies based on actual configurations ordered. Please see photometric tests at www.aleralighting.com for details.

ORDERING INFORMATION

EXAMPLE: CV-32-2T8-PERF-CM48-EDU-MW

CV — — — — — — — —

MODEL	
CV	Curv

HOUSING TYPE	
PERF	Perforated (1T8 not recommended on suspended unit)
S	Solid
HLST	Horizontal Slot Strip
VLST	Vertical Slot Strip

SUSPENSION LENGTH (CM)	
48	48"
96	96"
144	144"
Other lengths available on request.	

VOLTAGE	
U	120V-277V
120	120V
277	277V
347	347V

FINISH	
MW	Matte White (Std.)
ZT	ZET Metallic Silver
See Color Selection Guide for other color selections.	

ROW LENGTH	
4	4' Single
8	8' Single
12	12' Single
—	Indicate row length over 12' in 4' increments

Note: Rows over 12' will be configured by Alera. Example: 16' will be (2) 8'. Alternate configurations: contact factory.

LAMP TYPE & PROFILE	
1T5	1 T5 Lamp
2T5	2 T5 Lamps
3T5	3 T5 Lamps
1T5HO	1 T5HO Lamp
2T5HO	2 T5HO Lamps
3T5HO	3 T5HO Lamps
1T8	1 T8 Lamp (Solid only)
2T8	2 T8 Lamps
3T8	3 T8 Lamps
4T8	4 T8 Lamps

MOUNTING METHOD	
FCM18	Fixed Aircraft Cable Mount (Non-adjustable, Std.) 18"
CM	Adjustable Aircraft Cable Mount

BALLAST	
E	Electronic, Instant Start (Std. for T8)
EP	Electronic, Programmed Start (Std. for T5 & T5HO, optional for T8)
ED	Electronic, Dimming (Must specify)
ESD	Electronic, Step Dimming
EDUMK7	Universal Voltage, Electronic Dimming Philips Advance Mark 7 (0-10V)[2]
EDULUTES	Universal Voltage, Lutron EcoSystem Digital Dimming Ballast[2, 5]

Unless specified, Alera will use fewest ballasts possible.

OPTIONS	
WR	White Reflector
HRF	High Efficiency Reflector
DC	Dust Cover (N/A T5HO)[4]
SCE	Sculpted Curv End Cap (5⁵⁄₁₆")[4]
BN	Bull Nose End Cap (5¹⁄₁₆")[4]
LR	Left/Right Switching (2-Lamp only)
IBOB	Inboard/Outboard Switching (3-Lamp only)
EL	One Emergency Battery Pack[1, 2]
FO841	With T8 4100K Lamp Installed
F5841	With T5/T5HO 4100K Lamp Installed
FO835	With T8 3500K Lamp Installed
F5835	With T5/T5HO 3500K Lamp Installed
EMC	One Emergency Circuit [2, 3]
NLC	Night Light Circuit[2, 3]
GLR	Fast Blow Fuse
GMF	Slow Blow Fuse
TBAR	T-Bar Mounting
DSPL	Philips LuxSense Daylight Sensor (Must Specify Philips Advance 0-10V Dimming Ballast)[2]
DSL	Lutron Daylight Sensor (Must Specify Lutron EcoSystem (EC5 Series) Dimming Ballast)[2, 5]
SLC	Sloped Ceiling Coupler (45° swivel from vertical)

[1] Specify voltage. For additional, specify quantity before nomenclature (Example: 2EL120).
[2] Not available with all configurations; some limitations apply. Contact factory for details.
[3] One extra feed drop per row. (Standard is one 4ft lamp per circuit.)
[4] Ships separately
[5] Lutron EcoSystem Series Ballast. Contact factory for other Lutron ballasts.

ALERA LIGHTING
EXPRESS

HUBBELL Lighting

ALERA LIGHTING

ARCHITECTURAL AREA LIGHTING

BEACON PRODUCTS

COLUMBIA LIGHTING

COMPASS

DUAL-LITE

HUBBELL CONTROL SOLUTIONS

HUBBELL INDUSTRIAL LIGHTING

HUBBELL OUTDOOR LIGHTING

KIM LIGHTING

KURT VERSEN

LITECONTROL

PRESCOLITE

WHITEWAY

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