

FEATURES

- Acrylic radial lens combines with curved shape for direct/indirect, direct distribution
- Lumen packages range from 3200 to 7500
- Up/down switching available on some models
- Long-life LED is rated L90 at 60,000 hours, with projected life over 100,000 to reduce facility maintenance
- Three LED CCT color choices
- SpectraSync™ compatible options
- Controls compatible, NX Distributed Intelligence enabled™
- Available with optional installed daylight sensors
- Flat end standard; sculpted or bull nose end caps optional
- Modular mounting points for convenient hanging locations
- Aircraft cable mounting
- Straight rows assured using die cast aluminium tongue-and-groove patented couplers.
- DesignLights Consortium™ (DLC®) qualified with configurations qualifying for DLC® Premium
- Five year warranty
- 90° corners available; Contact factory for details
- Available with Lutron, edloLED, and DALI compatible drivers upon request

SHAPE AND DIMENSIONS

9 1/2" x 2 1/2"

PROJECT INFORMATION

Project Name	Type
Catalog No.	Date

CONSTRUCTION

- Integral Energy Saving LED technology is easily accessible from top of fixture (product is suspended below ceiling plane) for ease of maintenance and modular replaceability of LED boards and drivers.
- Sturdy 20-gauge steel construction for excellent housing rigidity.
- Modular mounting points maintain convenient, predictable locations and fixture lengths in 48" increments.
- The housing is designed to wrap around the end plates and secures on top with concealed screws to ensure housing tolerances are consistent.
- Patented die cast aluminum, tongue and groove couplers provide zero tolerance alignment resulting in consistently straight rows (Patent# 6,796,676B2).
- Lens is securely positioned with a structural frame to provide consistent placement which will not dislodge if jostled from below.

FINISH

Housing and all painted parts are treated with a multi-stage phosphate prior to finish. Parts are then finished with a white powder coat for maximum consistent coverage and longevity. Other colors may be specified; refer to Color Guide of the e-PSG or contact your local Alera Lighting representative.

SHIELDING

Opal Acrylic lens conforms to the radius of the housing and provides an indirect and a soft glow direct illumination. Standard distribution pattern is 80% indirect/20% direct. An optional downlight reflector is available to provide either 45%, 65%, or 100% direct distribution.

MOUNTING

To maintain consistent, predictable mounting points, a single-point aircraft cable mounting system is used at each hanging location. Fixed cable has a total vertical adjustment of 1-1/4". Adjustable cable provides barrel which slides up and down specified overall cable length; cable is then cut to length desired on site. The end of the cable barrel screws into a standard 1/4-20 bolt brought down from the ceiling. All fixtures are suspended in modular increments and must be supported at each fixture housing end. Patented die cast aluminum, tongue and groove couplers provide zero tolerance alignment resulting in consistently straight rows (Patent# 6,796,676B2)

AESTHETIC OPTIONS

- Flat end cap, standard
- Sculpted end cap, optional
- Bull nose (rounded) end cap, optional

LABELS AND ELECTRICAL

All luminaires are built to UL1598 standards and bear appropriate CSA labels. Adheres to LM79 and LM80 standards. Damp location listed. 1% 0-10V dimming driver standard. Quick connect plugs standard. Emergency-equipped fixtures are built to UL924. Please refer to DLC® website for specific product qualifications at www.designlights.org. DesignLights Consortium™ (DLC®) qualified; see www.designlights.org

CONTROLS COMPATIBILITY

Compatible with a wide range of integral and/or external (non-integral) controls including but not limited to switching, dimming, occupancy, vacancy and daylight harvesting. Some limitations apply. See also Sensor Options Guide. Compatibility with specific control (example, dimmer switch) is by others.

ORDERING INFORMATION

EXAMPLE: LCVR-L-8-35HL-CM48-EDU-MW

LCVR - L - - - - -

MODEL	ROW LENGTH	LED LUMEN PKG	MOUNTING METHOD	DRIVER	VOLTAGE	OPTIONS
LCVR Curv Radial Lens LED	4 4' Single 8 8' Single – Indicate row length over 8' in 4' increments	VW Very Low Watt LW Low Watt ML Medium Lumen HL High Lumen VL Very High Lumen	FCM Fixed Cable CM Adjustable Cable	E Fixed Output ED 0-10V 1% Dimming ⁶	U 120V-277V 347 347V	AB A/B Circuitry ELL10 Emergency Battery Pack ELL10ST Emergency Battery Pack, Self Testing, Installed ¹ EMC One Emergency Circuit ² NLC One Night Light Circuit ² GTD Generator Transfer Device ² GLR Fast Blow Fuse TBAR Tbar Clips DC Dust Cover DS_ Integral Daylight Sensor ¹⁴ OS_ Integral Occupancy Sensor ¹⁴ NX_ NX Distributed Intelligence ¹⁴ SLC Sloped Ceiling Coupler UB Upper Low Switching Separate Circuits ^{1,3} DUB Upper Lower Switching & Dimming Separate Circuits ^{13,5} SCE Sculpted End Cap BN Bull Nose End Cap
SHIELDING	Note: Rows over 8' will be configured by Alera. Example: 16' will be (2) 8'. Alternate configurations: contact factory.	LED COLOR	DISTRIBUTION	ADJUSTABLE CABLE LENGTH	COLOR	
L Opal Lens		30 3000K 35 3500K 40 4000K 50 5000K 2750T 2700K-5000K SpectraSync™ Tunable White 2765T 2700K-6500K SpectraSync™ Tunable White	20 (80% Up, 20% Down) 40 (60% Up, 40% Down) ³ 60 (40% Up, 60% Down) ³ 80 (20% Up, 80% Down) ³ 100 (0% Up, 100% Down)	48 48" 96 96" Other lengths available on request.	MW Matte White MB Black ZT ZET Metallic Silver See Color Selection Guide for other colors.	

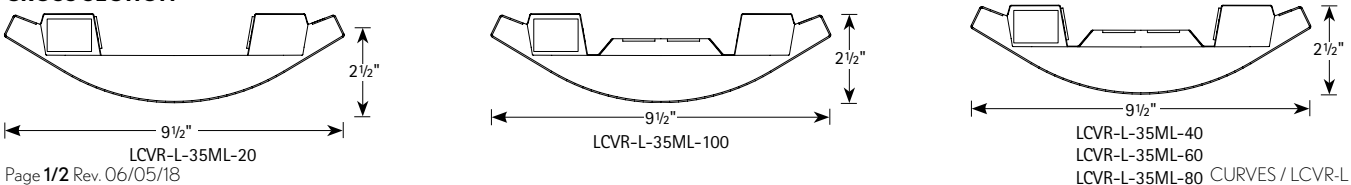
LED LUMEN PACKAGE	NOMINAL LUMENS	NOMINAL WATTS	LUMENS/WATT
VW	3200	27	119
LW	4200	37	114
ML	5200	44	118
HL	6200	54	115
VL	7500	64	117

Lumens vary according to color temperatures and other factors. See specific photometric test(s).

Notes:

- Not available with all configurations. Some limitations apply. Contact factory for details.
- Additional feed drop per EMC, NLC or GTD. (For thorough wiring, contact factory).
- Optional down light reflector provides approximate patterns. Distribution pattern results may vary.
- Review Sensor Options Guide for sensor selection.
- Additional feed drop required for low voltage controls.
- 5% dimming minimum when SpectraSync selected.

CROSS SECTION



PHOTOMETRIC DATA

LUMINAIRE DATA Test 16.02759

Luminaire	LCVR-L-35ML-20 LCVR-L LED Curv Radial Lens, Curves 9.5" x 48" LED with linear frosted opal lens
Ballast	XI040C110V054BST1
Ballast Factor	1.00
Lamp	LED
Lumens per Lamp	5383
Watts	41
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.32 90° = 1.52
Luminous Opening in Feet	Length: 4.00 Width: 0.38 Height: 0.00

ZONAL LUMEN SUMMARY

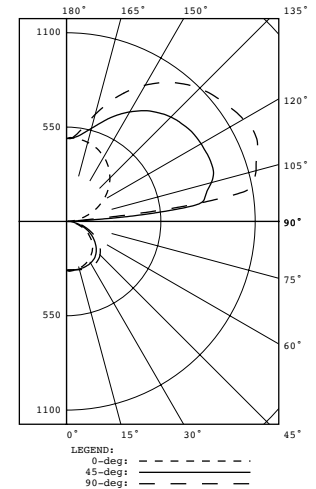
Zone	Lumens	% Fixt.
0-30	239	4.4
0-40	409	7.6
0-60	777	14.4
0-90	1048	19.5
90-180	4335	80.5

ENERGY DATA

Total Luminaire Efficiency	100%
Total Lumens Per Watt	131.3
ANSI/IESNA RP-1-2004 Compliance	Yes - VDT Intensive Use
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$2.38 based on 3000 hrs. and \$.08 per KWH

Test 16.02759 Test Date 10/18/2016

INDOOR CANDELA PLOT



PHOTOMETRIC DATA

LUMINAIRE DATA Test 16.02766

Luminaire	LCVR-L-35HL-20 9.5 x 2.5 x 48" curve shaped luminaire with an opal lens
Ballast	XI054C150V054BST1
Ballast Factor	1.00
Lamp	LED
Fixture Lumens	6393
Watts	50
Mounting	Pendant
Shielding Angle	N/A
Spacing Criterion	0° = 1.33 90° = 1.49
Luminous Opening in Feet	Length: 3.67 Width: 0.29 Height: 0.00

ZONAL LUMEN SUMMARY

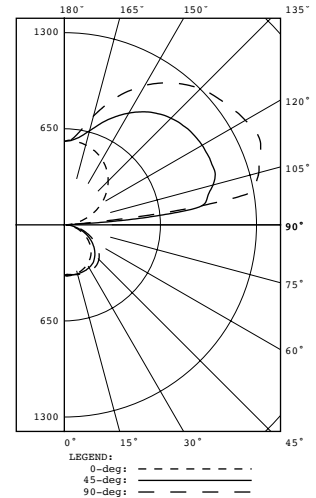
Zone	Lumens	% Fixt.
0-30	285	4.5
0-40	488	7.6
0-60	927	14.5
0-90	1250	19.6
90-180	5143	80.4

ENERGY DATA

Total Luminaire Efficiency	100%
Total Lumens Per Watt	127.9
ANSI/IESNA RP-1-2004 Compliance	YES-VDT INTENSIVE USE
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$2.5 based on 3000 hrs. and \$.08 per KWH

Test 16.02766 Test Date 10/25/2016

INDOOR CANDELA PLOT



PHOTOMETRIC DATA

LUMINAIRE DATA Test 16.02774

Luminaire	LCVR-L-35VL-80 LCVR-L LED Curv Radial Lens, Curves 9.5" x 48" LED with linear frosted opal lens
Ballast	XI020C056V054BST2, XI054C150V054BST1
Ballast Factor	1.00
Lamp	LED
Lumens per Lamp	7545
Watts	68
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.21 90° = 1.29

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt.
0-30	1682	22.3
0-40	2728	36.2
0-60	4717	62.5
0-90	6016	79.7
90-180	1529	20.3

ENERGY DATA

Total Luminaire Efficiency	100%
Total Lumens Per Watt	111
ANSI/IESNA RP-1-2004 Compliance	NONCOMPLIANT
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$2.38 based on 3000 hrs. and \$.08 per KWH

Test 16.02774 Test Date 10/21/2016

INDOOR CANDELA PLOT

