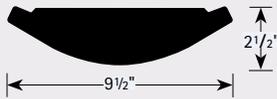


FEATURES

- Acrylic radial lens combines with curved shape for direct/indirect distribution
- Sturdy 20-gauge steel construction for excellent housing rigidity
- Controls compatible
- Available with optional installed open or closed loop daylight sensors (DSPL, DSL) when daylight dimming systems are desired
- Flat end caps standard (5/16" length)
- Sculpted or bull nose end cap option
- Modular mounting points for convenient hanging locations
- Aircraft cable mounting
- Patented die cast aluminum, tongue and groove couplers provide zero tolerance alignment resulting in consistently straight rows (Patent# 6,796,676B2)

SHAPE AND DIMENSIONS



PROJECT INFORMATION

Project Name	Type
Catalog No.	Date

CONSTRUCTION

- Up to three T8, T5, T5HO lamps in cross section.
- 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 70% indirect/30% direct. Optional distribution covers to modify the indirect/direct pattern are available. Distribution covers are shipped separately to be field installed, no tools required.

MOUNTING

To maintain consistent, predictable mounting points, 1- and 3-lamp fixtures use a yoke hanger and 2-lamp units use a single-point mounting system at each hanging location. Fixed cable has a total vertical adjustment of 1 1/4". 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.

AESTHETIC OPTIONS

- Sculpted End Cap
- Bull Nose End Cap

LABELS AND ELECTRICAL

- All luminaires are built to UL1598 Standards and bear appropriate UL and cUL or CSA labels. Damp location labeling is standard.
- Quick-connect plugs standard.

CONTROLS COMPATIBILITY

When used with Occupancy Sensors, most lamp vendors recommend Program Start ballast (EP) to extend lamp life. For daylight sensors installed, see information below.

ARCHITECTURAL SENSORS INSTALLED

Daylight sensors are used to measure available sunlight and reduce electric light for energy savings. Alera sensors are installed to be both accessible and visible below the housing.

DSPL: Philips Luxsense, Mark 7 0-10V dimming ballast. Closed loop sensor measures reflected light in a cone below the sensor. Pre-commissioned by Philips to 45fc standard; modest manual adjustability via sensor ring.

DSL: Lutron EcoSystem, digital dimming ballast. Open loop sensor must be pointed directly at the source of natural light. System requires proprietary commissioning by others.

Additional technical data: see TID sheets, Alera website and sensor manufacturer websites.

Name:	CVRL-2T5-EP
Test #:	ITL72475
Efficiency:	91.4%
LER:	77

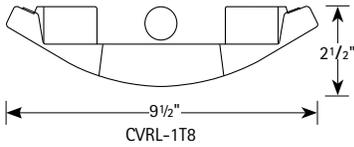
Definitions on page 182.

ORDERING INFORMATION

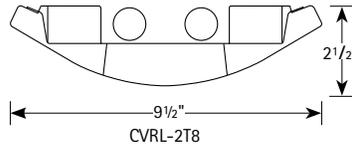
EXAMPLE: CVRL-8-2T8-CM48-OA-EU-MW

MODEL	LAMP TYPE AND PROFILE	MOUNTING METHOD	ADJUSTABLE CABLE LENGTH	VOLTAGE	COLOR
CVRL Cûrv Radial Opal Acrylic Lens	1T5 One T5 Lamp ¹ 2T5 Two T5 Lamps ¹ 3T5 Three T5 Lamps ¹	CM Adjustable Aircraft Cable Mount	48 48" 96 96" Other lengths available on request.	U 120V-277V 120 120V 277 277V 347 347V	MW Matte White MB Black ZT ZET Metallic Silver See Color Selection Guide for other colors.
ROW LENGTH	DISTRIBUTION	BALLAST			
4 4' Single 8 8' Single – Indicate row length over 8' in 4' increments	Blank (70% Uplight, 30% Downlight) 0/100 0% Uplight, 100% Downlight ^{2, 6, 8} 20/80 20% Uplight, 80% Downlight ^{2, 6, 8} 40/60 40% Uplight, 60% Downlight ^{2, 6, 8} 85/15 85% Uplight, 15% Downlight ^{2, 6, 8} CLC Center Lamp Cover A/V Mode ^{2, 6, 8}	E Electronic, Instant Start, (Std. for T8) EP Electronic, Programmed Start (Std. for T5 & T5HO, optional for T8) ELW Electronic T8, Low Wattage, Instant Start EPLW Electronic T8, Low Wattage, Programmed Start ED Electronic, Dimming (Must specify) ESD Electronic, Step Dimming EDUMK7 Universal Voltage, Electronic Dimming Philips Advance Mark 7 (0-10V) EDULUTES Universal Voltage, Lutron EcoSystem Digital Dimming Ballast ^{4, 7}			
Note: Rows over 8' will be configured by Alera. Example: 16' will be (2) 8'. Alternate configurations: contact factory.		OPTIONS			
		DC Dust Cover (T8 and T5 with standard distribution) ³ SCE Sculpted End Cap (5 ⁹ / ₁₆ " ⁹) BN Bull Nose End Cap (5 ¹ / ₁₆ " ⁹) LR Left/Right Switching (2-Lamp only) IBOB Inboard/Outboard Switching (3-Lamp only) EL One Emergency Battery Pack ^{3, 4} EMC One Emergency Circuit ^{4, 5} NLC Night Light Circuit ^{4, 5} 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) ⁴ DSL Lutron Daylight Sensor (Must Specify Lutron EcoSystem [EC5 Series] Dimming Ballast) ^{4, 7}			

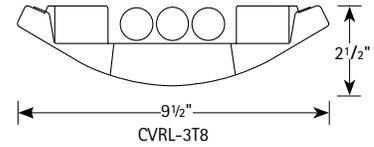
CROSS SECTION



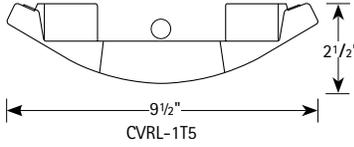
CVRL-1T8



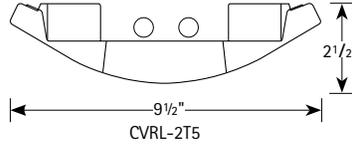
CVRL-2T8



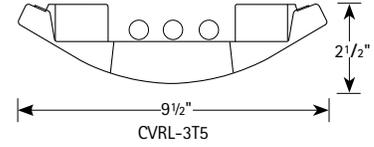
CVRL-3T8



CVRL-1T5



CVRL-2T5



CVRL-3T5

PHOTOMETRIC DATA

Test Date 4/11/2012

LUMINAIRE DATA Test ITL72475

Luminaire	CVRL-4-2T5-EPU CVR Curv Radial, Curves 9.5" x 48" 2-lamp with linear prisms frosted opal lens
Ballast	ICN-2S28-N
Ballast Factor	1.00
Lamp	F28T5
Lumens per Lamp	2600
Watts	62
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.20 90° = 1.29
Luminous Opening in Feet	Length: 4.00 Width: 0.31 Height: 0.00

AVG. LUMINANCE (Candela/Sq. M.)

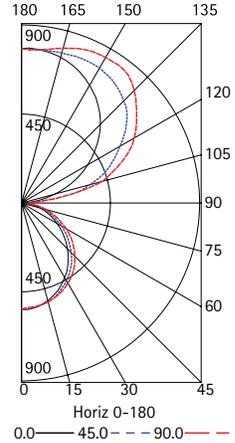
Angle	0.0	22.5	45.0	67.5	90.0
0	4661	4661	4661	4661	4661
30	4350	4430	4531	4651	4691
40	4170	4249	4453	4635	4714
45	4014	4125	4346	4579	4653
50	3876	4024	4240	4565	4632
55	3768	3905	4192	4510	4616
60	3628	3785	4063	4392	4531
65	3471	3636	3923	4313	4396
70	3350	3579	3807	4289	4340
75	3253	3421	3756	4192	4360
80	3049	3249	3599	4249	4449
85	2888	3187	4084	5279	5777

COEFFICIENTS OF UTILIZATION (%)

RC	80					70					50					0
	RW	70	50	30	10	70	50	30	10	50	30	10	0			
1	86	82	78	75	77	74	71	68	59	57	55	25	0			
2	78	71	66	61	70	64	60	56	51	48	45	21				
3	71	62	56	51	64	56	51	46	45	41	38	17				
4	65	55	48	42	58	50	44	39	40	35	32	15				
5	59	49	42	36	53	44	38	33	36	31	27	13				
6	54	44	36	31	49	40	33	29	32	27	24	11				
7	50	39	32	27	45	36	29	25	29	24	21	10				
8	46	35	29	24	42	32	26	22	26	21	18	9				
9	43	32	26	21	39	29	23	19	24	19	16	8				
10	40	29	23	19	36	27	21	17	22	17	14	7				

RCR = Room Cavity Ratio
 RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

INDOOR CANDELA PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fxtr.
0-30	417	8.0	8.8
0-40	682	13.1	14.4
0-60	1204	23.1	25.3
0-90	1562	30.0	32.9
90-120	958	18.4	20.2
90-130	1506	29.0	31.7
90-150	2532	48.7	53.3
90-180	3192	61.4	67.1
0-180	4754	91.4	100.0

ENERGY DATA

Total Luminaire Efficiency	91.4%
Luminaire Efficacy Rating (LER)	77
ANSI/IESNA RP-1-2004 Compliance	Yes-VDT Normal Use
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$3.12 based on 3000 hrs. and \$0.08 per KWH