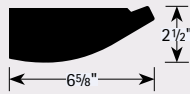


FEATURES

- 2½" x 6⅞" profile maintains a sleek aesthetic
- Indirect Luminaire
- T8, T5, or T5HO lamps
- One or two lamps in cross section
- Constructed of heavy 20-gauge steel
- Controls compatible
- Popular curved wall mount profile in solid or perforated housing
- Flat end caps standard
- Installs easily using the universal wall mounting system (Wall bracket painted standard matte white unless otherwise specified.)
- Patented die cast aluminum connection plates and end caps to ensure row integrity (Patent# 6,796,676B2)
- Companion fixture to Cûrv series indirect or semi-indirect suspended luminaires

SHAPE AND DIMENSIONS



PROJECT INFORMATION

Project Name	Type
Catalog No.	Date

CONSTRUCTION

—Housing provides indirect distribution. When perforation option is selected glow consists of less than 5% direct light.

—1 or 2 T5, T8, or T5HO lamps

—The exact shape of the housing is maintained by the use of an inner die cast plate at each fixture end.

—The housing is designed to wrap around the end plates and secures on top with concealed screws to ensure housing tolerances are consistent. These die cast aluminum end caps and aligners provide zero tolerance alignment between fixtures, resulting in consistently straight rows with no snaking.

—Reflectors: standard with a painted white steel reflector with specular inserts on the side,

—High efficiency reflector (HRF) high reflectance specular material allows for wide distribution with maximum efficiency.

FINISH

The housing and all painted parts are treated with a multi-stage phosphate bonding process before being finished. Parts are then finished with a white powder coat finish for maximum consistent coverage and longevity.

MOUNTING

Cûrv's contractor-friendly universal mounting system allows for installation into existing studs and spaces the fixture away from the wall ½" to allow for wall variations.

—Brackets on the back of the luminaire easily slip onto the mounting system.

—Leveling screws are the final touch for that perfect installation.

—A 1¾" x 3" cutout is provided in the unit to feed from junction box.

—A cover plate is used to shield the exposed junction box.

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

Controls compatible. When used with Occupancy Sensors, most lamp vendors recommend Program Start ballast (EP) to extend lamp life.

Name:	CV-2T8-PERF-WM-E
Test #:	13184
Efficiency:	85.3%
LER:	73

ORDERING INFORMATION

CV		WM		EXAMPLE: CV-8-1T5HO-PERF-WM-EPU-MW	
MODEL	LAMP TYPE AND PROFILE	HOUSING TYPE	MOUNTING METHOD	VOLTAGE	FINISH
CV Cûrv	1T5 One T5 Lamp 2T5 Two T5 Lamps 1T5HO One T5HO Lamp 2T5HO Two T5HO Lamps 1T8 One T8 Lamp 2T8 Two T8 Lamps	PERF Perforated S Solid	WM Wall Mount	U 120V-277V 120 120V 277 277V 347 347V	MW Matte White (Std.) ZT ZET Metallic Silver See Color Selection Guide for other colors.
ROW LENGTH		BALLAST		OPTIONS	
4 4' Single		E Electronic, Instant Start, (Std. for T8)		HRF High Efficiency Reflector	
8 8' Single		EP Electronic, Programmed Start (Std. for T5 & T5HO, optional for T8)		DC Dust Cover (N/A T5HO) ¹	
— Indicate row length over 8' in 4' increments		ELW Electronic T8, Low Wattage, Instant Start		SCE Sculpted End Cap (5⅝"×16") ⁴	
Note: Rows over 8' will be configured by Alera. Example: 16' will be (2) 8'. Alternate configurations: contact factory.		EPLW Electronic T8, Low Wattage, Programmed Start		BN Bull Nose End Cap (5⅝"×16") ⁴	
		ED Electronic, Dimming (Must specify)		LR Left/Right Switching (2-Lamp only)	
		ESD Electronic, Step Dimming		F0841 With T8 4100L Lamp Installed	
		Unless specified, Alera will use fewest ballasts possible.		F5841 With T5(HO) 4100K Lamp Installed	
				F0835 With T8 3500K Lamp Installed	
				F5835 With T5(HO) 3500K Lamp Installed	
				EL One Emergency Battery Pack ^{1,2}	
				EMC One Emergency Circuit ^{2,3}	
				NLC Night Light Circuit ^{2,3}	

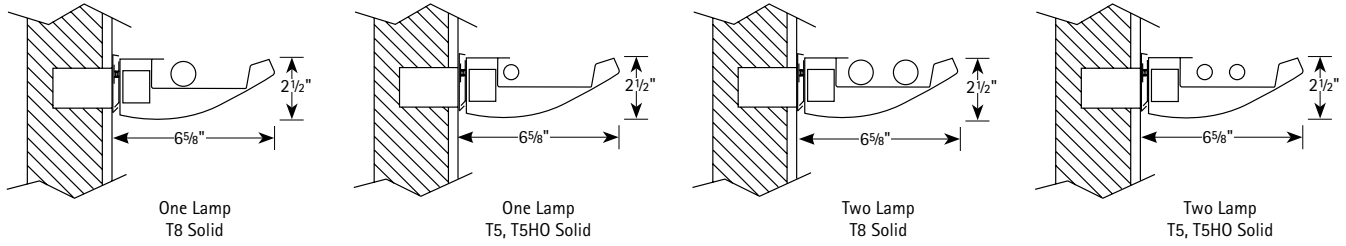
¹ Specify voltage. For additional, specify quantity before nomenclature (Example: 2EL120).

² Not available with all configurations; some limitations apply. Contact factory for details.

³ One extra feed drop per EMC or NLC. (For through wiring, contact factory.)

⁴ Ships separately.

CROSS SECTION



PHOTOMETRIC DATA

LUMINAIRE DATA Test 13185

Luminaire	CV-1T8-PERF-WM-E Cûrv Architectural Curve 3.75" x 48" 1-Lamp Wall Mount with LS Reflector
Ballast	REL1P32SC
Ballast Factor	0.87
Lamp	F32T8
Lumens per Lamp	2900
Watts	38
Mounting	Wall
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = N/A 90° = N/A
Luminous Opening in Feet	Length: 3.54 Width: 0.15 Height: 0.00

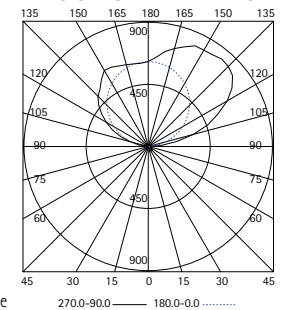
AVG. LUMINANCE (Candela/Sq. M.)

Angle	90.0	135.0	180.0	225.0	270.0
0	547	547	547	547	547
30	819	702	492	328	281
40	1085	767	450	265	291
45	1147	889	401	287	287
50	1135	1009	378	315	284
55	1166	1025	318	318	247
60	1216	973	284	284	243
65	1247	959	288	288	288
70	1304	1008	237	356	296
75	1488	1018	235	392	392
80	1751	1167	233	467	467
85	2559	1861	465	698	698

COEFFICIENTS OF UTILIZATION (%)

RCR	80					70					50					0
	RW	70	50	30	10	70	50	30	10	50	30	10	0			
1	78	74	71	68	67	64	61	59	45	43	42	2				
2	71	65	60	56	61	56	52	48	39	37	34	2				
3	65	57	51	46	55	49	44	40	34	31	29	2				
4	59	50	44	39	50	43	38	34	30	27	24	1				
5	54	44	38	33	46	38	33	29	27	23	21	1				
6	49	39	33	28	42	34	29	24	24	20	19	1				
7	45	35	29	24	39	31	25	21	21	18	15	1				
8	42	32	25	21	36	27	22	18	19	16	13	1				
9	39	29	22	18	33	25	20	16	18	14	12	1				
10	36	26	20	16	31	23	18	14	16	13	10	1				

INDOOR CANDELA PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	21	0.7	0.8
0-40	34	1.2	1.3
0-60	64	2.2	2.5
0-90	91	3.1	3.5
90-120	674	23.2	26.0
90-130	1119	38.6	43.1
90-150	1961	67.6	75.6
90-180	2503	86.3	96.5
0-180	2594	89.5	100.0

RCR = Room Cavity Ratio

RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

ENERGY DATA

Total Luminaire Efficiency	89.5%
Luminaire Efficacy Rating (LER)	59
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$4.07 based on 3000 hrs. and \$0.08 per KWH

Test Date 8/7/02

PHOTOMETRIC DATA

LUMINAIRE DATA Test 13184

Luminaire	CV-2T8-PERF-WM-E Cûrv Architectural Curve 3.75" x 48" 2-Lamp Wall Mount with LS Reflector
Ballast	REL2P32SC
Ballast Factor	0.87
Lamp	F32T8
Lumens per Lamp	2900
Watts	59
Mounting	Wall
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = N/A 90° = N/A
Luminous Opening in Feet	Length: 3.54 Width: 0.15 Height: 0.00

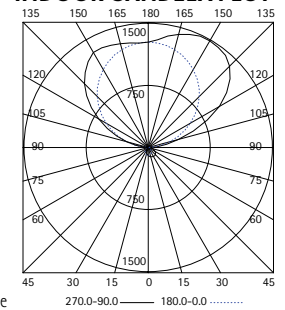
AVG. LUMINANCE (Candela/Sq. M.)

Angle	90.0	135.0	180.0	225.0	270.0
0	1946	1946	1946	1946	1946
30	2902	2481	1732	1124	913
40	3334	2620	1535	794	794
45	3497	2781	1405	803	717
50	3564	2964	1261	851	599
55	3711	3004	1060	742	565
60	3892	3000	932	649	487
65	3981	2974	863	576	528
70	4327	3023	711	652	0
75	4699	3055	548	705	0
80	5603	3502	0	0	0
85	8141	5350	0	0	0

COEFFICIENTS OF UTILIZATION (%)

RCR	80					70					50					0
	RW	70	50	30	10	70	50	30	10	50	30	10	0			
1	75	71	68	65	64	62	59	57	44	42	41	4				
2	68	62	57	53	59	54	50	47	38	36	33	3				
3	62	55	49	44	53	47	43	39	33	30	28	3				
4	57	48	42	37	49	42	37	33	30	26	24	2				
5	52	43	36	31	44	37	32	28	26	23	20	2				
6	47	38	31	27	41	33	28	24	23	20	17	2				
7	44	34	28	23	37	29	24	20	21	17	15	2				
8	40	30	24	20	35	27	21	18	19	15	13	1				
9	37	28	22	18	32	24	19	16	17	14	11	1				
10	35	25	19	16	30	22	17	14	16	12	10	1				

INDOOR CANDELA PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	73	1.3	1.5
0-40	118	2.0	2.4
0-60	210	3.6	4.2
0-90	280	4.8	5.7
90-120	1108	19.1	22.4
90-130	1932	33.3	39.0
90-150	3576	61.6	72.3
90-180	4667	80.5	94.3
0-180	4947	85.3	100.0

RCR = Room Cavity Ratio

RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

ENERGY DATA

Total Luminaire Efficiency	85.3%
Luminaire Efficacy Rating (LER)	73
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$3.29 based on 3000 hrs. and \$0.08 per KWH

Test Date 7/25/02

PHOTOMETRIC DATA

LUMINAIRE DATA Test 13180

Luminaire	CV-1T5HO-PERF-WM-EP
	Curv Architectural Curve
	3.75" x 48" 1-Lamp
	Wall Mount w/Perf
	Housing and Opal
	Overlay
Ballast	ICN2S54
Ballast Factor	1.02
Lamp	F54T5HO
Lumens per Lamp	4400
Watts	61
Mounting	Wall
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = N/A 90° = N/A
Luminous Opening in Feet	Length: 3.54
	Width: 0.15
	Height: 0.00

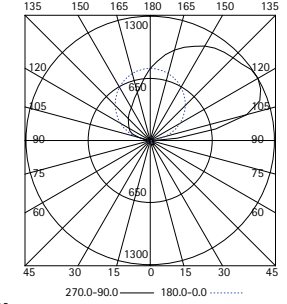
AVG. LUMINANCE (Candela/Sq. M.)

	90.0	135.0	180.0	225.0	270.0
0	730	730	730	730	730
30	1194	913	655	421	351
40	1482	1085	582	318	344
45	1577	1261	516	315	344
50	1640	1356	442	347	347
55	1661	1414	389	318	318
60	1703	1419	324	324	324
65	1775	1439	288	384	336
70	1837	1422	237	415	356
75	1958	1410	157	392	392
80	2218	1518	117	467	350
85	3024	2093	233	698	465

COEFFICIENTS OF UTILIZATION (%)

RC	80				70				50				0
	RW	70	50	30	10	70	50	30	10	50	30	10	0
1	67	64	61	58	57	55	52	50	38	37	36	2	
2	61	55	51	47	52	48	44	41	33	31	29	2	
3	55	49	43	39	47	42	38	34	29	27	24	1	
4	50	43	37	33	43	37	32	29	26	23	21	1	
5	46	38	32	28	39	33	28	24	23	20	18	1	
6	42	34	28	24	36	29	24	21	20	17	15	1	
7	39	30	24	21	33	26	21	18	18	15	13	1	
8	36	27	22	18	31	23	19	16	17	13	11	1	
9	33	24	19	16	28	21	17	14	15	12	10	1	
10	31	22	17	14	26	19	15	12	14	11	9	1	

INDOOR CANDELA PLOT



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

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	28	0.6	0.8
0-40	45	1.0	1.3
0-60	85	1.9	2.5
0-90	121	2.8	3.6
90-120	1153	26.2	34.3
90-130	1691	38.4	50.4
90-150	2624	59.6	78.1
90-180	3237	73.6	96.4
0-180	3358	76.3	100.0

ENERGY DATA

Total Luminaire Efficiency	76.3%
Luminaire Efficacy Rating (LER)	56
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$4.29 based on 3000 hrs. and \$0.08 per KWH

Test Date 7/16/02