



FEATURES

- 2½" deep housing for a sleek, modern appearance
- Indirect Luminaire
- T5 or T5HO one-lamp cross section harnesses emergent technology for unparalleled performance metrics
- T8 two-lamp system allows use of energy efficient, industry standard lamps and ballasts with excellent performance
- Heavy 20-gauge steel construction provides excellent housing rigidity
- Controls compatible
- Close-to-ceiling mounting—12" to bottom of housing from ceiling
- Performance driven light delivery system creates smooth ceiling gradients on wide fixture spacings
- Flat end caps standard (5/16")
- Aesthetics equal to the popular CÛrv product line

SHAPE AND DIMENSIONS



PROJECT INFORMATION

Project Name	Type
Catalog No.	Date

CONSTRUCTION

- Solid or perforated housing
- 4', 8', or 12' housing lengths
- One T5 or T5HO lamp or two T8 lamps in cross section for mounting at 12" from the ceiling plane to the bottom of the housing.
- The exact shape of the housing is maintained by the use of a patented inner die cast plate at each fixture end (Patent# 6,796,676 B2) throughout the run to prevent snaking.
- The housing is designed to wrap around the end plates and secures on top with concealed screws to ensure housing tolerances are consistent.

FINISH AND AESTHETIC OPTIONS

- The standard is a flat end cap. Optional end caps include:
 - A shallow, elongated end cap which creates an illusion that the product is extremely slender (SCE)
 - End cap which rounds off the end for an elongated oval effect (BN).

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 page MTX-1 or contact your local Alera Lighting representative.

MOUNTING

- A 12" adjustable "Y" cable hanger is standard to facilitate ease of installation.
- All fixtures are suspended in easily predictable increments and must be supported at each fixture housing end.

LABELS AND ELECTRICAL

- UL 1598 or CUL
- Prewired w/ T5, T5HO or T8 electronic ballasts
- Quick connect plugs standard
- Damp label available on most models

Name:	CPLS-1T5-S-EP
Test #:	13825
Efficiency:	87%
LER:	70

ORDERING INFORMATION

EXAMPLE: CPLS-8-2T8-PERF-CM12-EU-MW

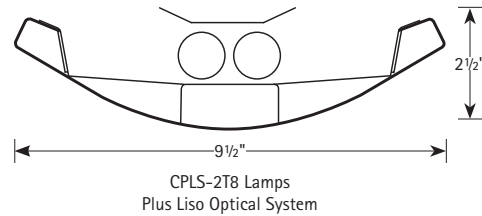
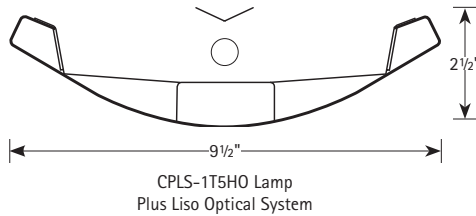
CPLS		CM					
MODEL	LAMP TYPE AND PROFILE	MOUNTING METHOD	ADJUSTABLE CABLE LENGTH	VOLTAGE	FINISH		
CPLS CÛrv Plus Liso	1T5 One T5 Lamp 1T5HO One T5HO Lamp 2T8 Two T8 Lamps	CM Adjustable Aircraft Cable Mount (Std.)	12 12" (Std.) 18 18" 24 24" Other lengths available on request.	U 120V-277V 120 120V 277 277V 347 347V	MW Matte White (Std.) ZT ZET Metallic Silver See MTX-1 for other color selections.		
ROW LENGTH	HOUSING TYPE	BALLAST		OPTIONS			
4 4' Single 8 8' Single 12 12' Single — Indicate row length over 12' in 4' increments	S Solid (Std.) PERF Perforated	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 Unless specified, Alera will use fewest ballasts possible.		SCE Sculpted End Cap (5/16") BN Bull Nose End Cap (5/16") LR Left/Right Switching (2-Lamp T8 only) EL One Emergency Battery Pack ^{1,2} EMC One Emergency Circuit ^{2,3} NL Night Light Circuit ^{2,3} GLR Fast Blow Fuse GMF Slow Blow Fuse TBAR T-Bar Mounting CSA UL listed or CSA certified for Canada DL Damp Label (Available on most models)			

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. (For through wiring, contact factory.)

CROSS SECTION



PHOTOMETRIC DATA

LUMINAIRE DATA Test 13826

Luminaire	CPLS-2T8-S-E Cûrv Plus Liso Architectural Curve 9.5" x 48" 2-Lamp with Liso Low Ceiling Optics and Solid Housing
Ballast	REL-2P32-SC
Ballast Factor	0.88
Lamp	F32T8
Lumens per Lamp	2900
Watts	61
Mounting	Pendant
Shielding Angle	0° = 0 90° = 0
Spacing Criterion	0° = 0.00 90° = 0.00
Luminous Opening in Feet	Length: 4.00 Width: 0.63 Height: 0.00

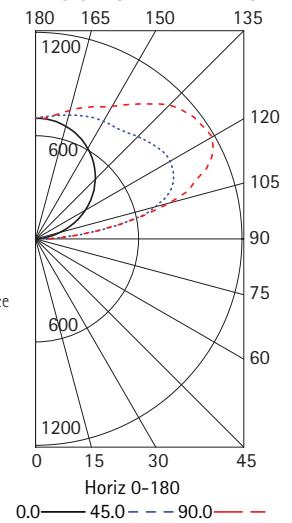
AVG. LUMINANCE (Candela/Sq. M.)

Data not available.

COEFFICIENTS OF UTILIZATION (%)

RCR	RW	80					70					50					0
		70	50	30	10	70	50	30	10	50	30	10	0				
1	62	60	57	55	53	51	49	47	35	34	33	0					
2	57	52	48	45	48	45	41	39	31	29	27	0					
3	52	46	41	37	44	39	35	32	27	24	22	0					
4	47	40	35	31	40	34	30	27	24	21	19	0					
5	43	35	30	26	37	30	26	23	21	18	16	0					
6	40	32	26	22	34	27	23	19	19	16	14	0					
7	36	28	23	19	31	24	20	17	17	14	12	0					
8	33	25	20	17	28	22	18	15	15	12	10	0					
9	31	23	18	15	26	20	16	13	14	11	9	0					
10	29	21	16	13	25	18	14	11	12	10	8	0					

INDOOR CANDELA PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	0	0.0	0.0
0-40	0	0.0	0.0
0-60	0	0.0	0.0
0-90	8	0.1	0.2
90-120	1671	28.8	39.9
90-130	2419	41.7	57.8
90-150	3548	61.2	84.8
90-180	4177	72.0	99.8
0-180	4185	72.2	100.0

ENERGY DATA

Total Luminaire Efficiency	72.2%
Luminaire Efficacy Rating (LER)	60
ANSI/IESNA RP-1-2004 Compliance	Yes-VDT Intensive Use
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$4.00 based on 3000 hrs. and \$0.08 per KWH

PHOTOMETRIC DATA

LUMINAIRE DATA Test 13825

Luminaire	CPLS-1T5-S-E Cûrv Plus Liso Architectural Curve 9.5" x 48" 1-Lamp with Liso Low Ceiling Optics and Solid Housing
Ballast	RCN-1S28
Ballast Factor	1.02
Lamp	F28T5
Lumens per Lamp	2600
Watts	33
Mounting	Pendant
Shielding Angle	0° = 0 90° = 0
Spacing Criterion	0° = 0.00 90° = 0.00
Luminous Opening in Feet	Length: 4.00 Width: 0.63 Height: 0.00

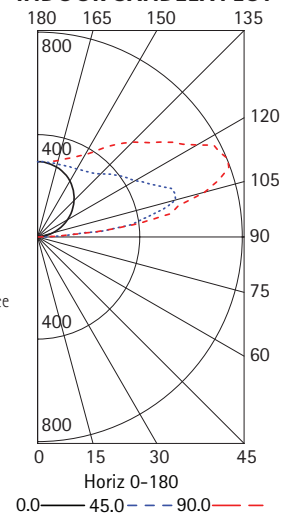
AVG. LUMINANCE (Candela/Sq. M.)

Data not available.

COEFFICIENTS OF UTILIZATION (%)

RCR	RW	80					70					50					0
		70	50	30	10	70	50	30	10	50	30	10	0				
1	75	72	69	66	64	61	59	57	42	41	39	0					
2	69	63	58	54	58	54	50	46	37	34	32	0					
3	62	55	49	45	53	47	42	39	32	29	27	0					
4	57	48	42	37	48	42	36	32	29	25	23	0					
5	52	43	36	32	44	37	31	28	25	22	19	0					
6	48	38	32	27	41	33	27	24	23	19	17	0					
7	44	34	28	23	37	29	24	20	20	17	14	0					
8	40	31	24	20	34	26	21	18	18	15	12	0					
9	37	28	22	18	32	24	19	15	16	13	11	0					
10	35	25	19	15	30	22	17	13	15	12	10	0					

INDOOR CANDELA PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	0	0.0	0.0
0-40	0	0.0	0.0
0-60	0	0.0	0.0
0-90	1	0.1	0.1
90-120	1158	44.5	51.2
90-130	1524	58.6	67.4
90-150	2007	77.2	88.7
90-180	2260	86.9	99.9
0-180	2262	87.0	100.0

ENERGY DATA

Total Luminaire Efficiency	87.0%
Luminaire Efficacy Rating (LER)	70
ANSI/IESNA RP-1-2004 Compliance	Yes-VDT Intensive Use
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$3.43 based on 3000 hrs. and \$0.08 per KWH