

## SPECIFICATIONS



**Housing:** ADA compliant. Style A fascia is extruded aluminum with perforated steel along wall. Style B fascia is perforated steel. End caps are cast aluminum. No visible fasteners. Row mounted fixtures have hairline joints on 8 foot intervals.

**Reflector:** Specular aluminum.

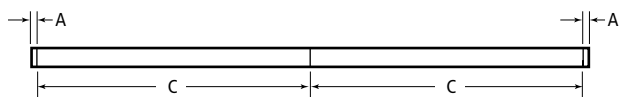
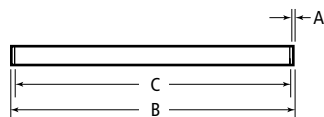
**Shielding:** Open top or clear acrylic lens

**Electrical:** Instant start, normal light output, high power factor, sound rated A electronic ballast is standard. T8 ballasts are 0.88 ballast factor for 120 and 277-Volt. Ballast factor for T8 347-Volt is 1.00. Ballast factor for T5 is 1.05 for 120 and 277-Volt and 0.95 for 347-Volt. Ballast factor for T5HO is 1.00. T5 347-Volt and all T5HO are programmed start. Maximum ballast cross section is 1.18" x 1.18".

**Mounting:** Wall mounted only.

**Finish:** Semi-gloss white powder coat paint is standard. Choose from a variety of standard colors on our color chart. Custom colors are available.

**Certification:** UL and CUL listed. IBEW labeled.



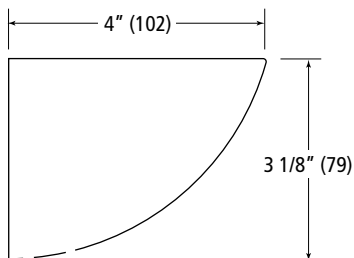
### CADA82-1 T8

	A	B	C
4'	1/2"	49 1/8"	48 1/8"
	13	1247	1221
8'	1/2"	97 1/8"	96 1/8"
	13	2465	2440

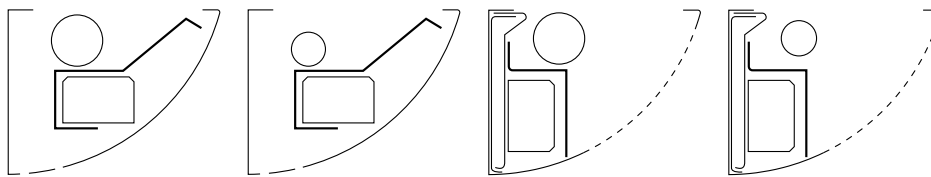
### CADA82-1 T5

	A	B	C
4'	1/2"	47 7/32"	46 7/32"
	13	1198	1173
8'	1/2"	93 7/32"	92 7/32"
	13	2366	2341

## DIMENSIONS



## LAMP CONFIGURATIONS



CADA82-1-T8-A

CADA82-1-T5-A

CADA82-1-T8-B

CADA82-1-T5-B

## EXAMPLE

series	lamps	type of lamp	fascia style	shielding	mounting	length	finish	voltage	options
<b>CADA82</b>	<b>1</b>	<b>T8</b>	<b>A</b>	<b>O</b>	<b>WM</b>	<b>8</b>	<b>SGW</b>	<b>120</b>	<b>GLR</b>
CADA82	1	T8 T5 T5HO	A-bottom perf (4% downlight) B-front perf (8% downlight)	O-open L-clear acrylic lens	WM-wall mount	2' 3' 4' 6' 8'	SGW-semi-gloss white (refer to color chart in Product Selection Guide for other standard colors) CC-custom color	120 277 Dual 347	GLR-GLR fuse and HLR holder GMF-GMF slow blow fuse and holder EM1- LP500 or equal EM7- LP500 or equal EM8- LP600 or equal DIM1-Advance Mark VII dimming DIM2-Advance Mark X dimming DIM3-Lutron ECO-10 dimming ballast DIM4- Lutron Hi-Lume dimming ballast (T5HO only) DIM6-Lutron Tu-Wire dimming ballast (for T8, 32-watt, 120-volt only)

Due to a program of continuous improvement, LAM Lighting reserves the right to make any variation in design or construction to the equipment described.

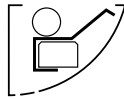
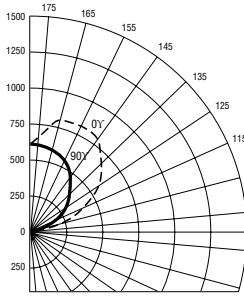
## ORDER

project name: \_\_\_\_\_ type: \_\_\_\_\_ quantity: \_\_\_\_\_

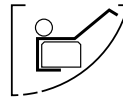
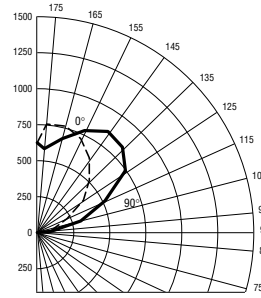
\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

PHOTOMETRICS

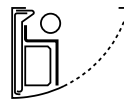
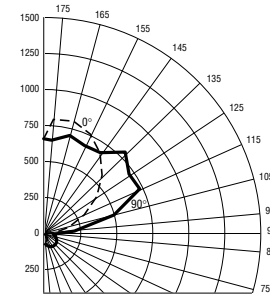
CADA82-1-T8-A



CADA82-1-T5-A



CADA82-1-T5HO-B



CANDELA DISTRIBUTION

	0	45	90	135	180
180°	608	608	608	608	608
175°	655	642	605	587	580
165°	784	732	589	539	520
155°	803	767	537	475	468
145°	787	736	471	403	368
135°	686	653	372	291	294
125°	587	529	287	218	221
115°	407	410	181	152	158
105°	228	232	82	85	93
95°	43	55	14	29	36
90°	5	4	5	8	11
85°	5	4	4	5	4
75°	6	5	4	4	4
65°	6	5	3	3	2
55°	15	16	14	11	11
45°	15	23	17	10	11
35°	21	26	23	14	13
25°	25	33	26	18	15
15°	31	28	29	26	21
5°	29	29	31	29	27
0°	29	29	29	29	29

CANDELA DISTRIBUTION

	0	45	90	135	180
180°	434	434	434	434	434
175°	407	451	527	442	395
165°	470	479	533	452	395
155°	544	520	501	389	314
145°	597	546	441	298	251
135°	585	567	358	233	201
125°	522	502	273	174	142
115°	363	405	160	106	78
105°	281	227	87	44	22
95°	67	95	65	6	6
90°	0	0	0	0	0
45°	0	0	0	0	0
0°	0	0	0	0	0

CANDELA DISTRIBUTION

	0	45	90	135	180
180°	658	658	658	658	658
175°	649	706	794	682	625
165°	703	771	805	827	772
155°	673	724	762	793	697
145°	685	657	681	678	589
135°	800	647	574	556	455
125°	722	690	448	404	314
115°	734	549	311	241	173
105°	504	506	181	107	78
95°	215	234	76	52	52
90°	96	83	4	4	5
85°	69	47	1	1	2
75°	87	63	3	2	2
65°	100	70	5	2	2
55°	108	80	12	2	2
45°	110	86	37	3	2
35°	107	89	47	9	4
25°	98	86	49	19	12
15°	83	78	56	36	27
5°	64	65	60	51	45
0°	57	57	57	57	57

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture Output	% Lamp Output
0-90°	72	3.5	2.5
90-180°	1986	96.5	68.5
0-180°	2058	100.0	71.0

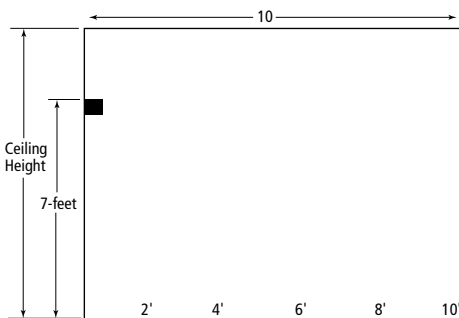
ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture Output	% Lamp Output
0-90°	0	0	0
90-180°	1657	100.0	57.2
0-180°	1657	100.0	57.2

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture Output	% Lamp Output
0-90°	235	7.7	4.7
90-180°	2813	92.3	56.3
0-180°	3048	100.0	61.0

APPLICATION DATA



CADA82-1-T8-4-A, 1-Lamp, F32T8, 2950 lumens per lamp, 0.77 LLF, 0.90 Ballast Factor, continuous row

POWER DENSITY IS 0.8 WATTS PER SQUARE FOOT

Ceiling Height	2'	4'	6'	8'	10'	
8'	17	15	12	9	6	13 FC floor average, 6 FC opposite wall average
9'	15	14	12	10	6	13 FC floor average, 8 FC opposite wall average

Reflectance: 80/50/20

Light Loss Factor - 0.95 room depreciation, 0.95 fixture depreciation, 0.95 lamp depreciation, 0.90 ballast factor = .77 total LLF

Staggered Corridor Application: CADA82-1-T8-4-A

Ceiling Height 8' Mounting Height - 7'

Floor Illumination — 7 FC Avg/Min — 1.8:1

Wall Illumination — 4 FC Avg/Min — 2.2:1

POWER DENSITY IS 0.4 WATTS PER SQUARE FOOT

Reflectance: 80/50/20

Light Loss Factor - 0.95 room depreciation, 0.95 fixture depreciation, 0.90 lamp depreciation, 0.90 ballast factor = .77 total LLF

Ceiling Height — 9' Mounting Height — 7'

Floor Illumination — 7 FC Avg/Min — 1.7:1

Wall Illumination — 7 FC Avg/Min — 2.9:1

POWER DENSITY IS 0.4 WATTS PER SQUARE FOOT

Reflectance: 80/50/20

Light Loss Factor - 0.95 room depreciation, 0.95 fixture depreciation, 0.90 lamp depreciation, 0.90 ballast factor = .77 total LLF

