

## applications

- ADA compliant wall sconce. Provides soft illumination for ambient lighting.

## 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.

## certifications

- UL and CUL listed and IBEW labeled.

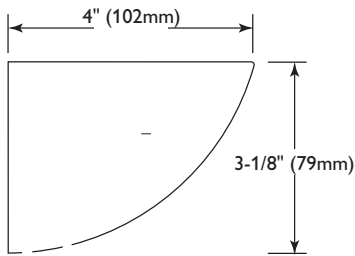
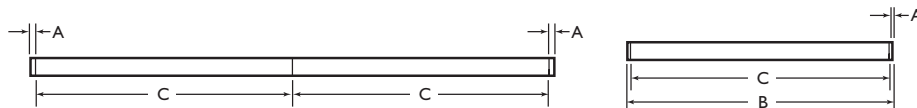
## dimensions

### CADA82-1 T8

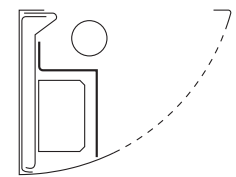
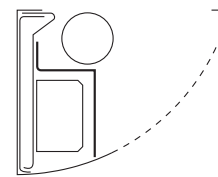
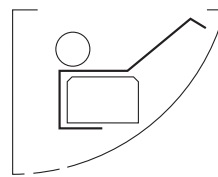
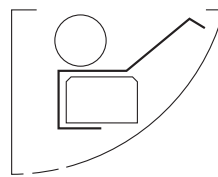
	A	B	C
4'	1/2"	49-1/8"	48-1/8"
	(13 mm)	(1247 mm)	(1221 mm)
8'	1/2"	97-1/8"	96-1/8"
	(13 mm)	(2465 mm)	(2440 mm)

### CADA82-1 T5

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



## lamp configurations



CADA82-1-T8-A

CADA82-1-T5-A

CADA82-1-T8-B

CADA82-1-T5-B

## Green Choice: CADA82-1-T8-A-O

<b>CADA82</b>	<b>1</b>				<b>WM</b>			
<b>Series</b>	<b>Lamps</b>		<b>Fascia Style</b>		<b>Mounting</b>		<b>Finish</b>	
CADA82	1		A – Bottom perf (4% downlight) B – Front perf (8% downlight)		WM – Wall Mount		SGW – Semi-gloss white (refer to color chart on website for other standard colors) CC – Custom Color	
		<b>Type of Lamps</b>		<b>Shielding</b>		<b>Length</b>	<b>Voltage</b>	<b>Options</b>
		T8 T5 T5HO		O – Open L – Clear acrylic lens		2' 3' 4' 6'* 8'*	120 277 347 UNV	GLR – GLR fuse and HLR holder GMF – GMF slow blow fuse and holder EM1 – LP500 or equal EM7 – LP550 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) DIM5 – Lutron Tu-Wire dimming ballast (for T8, 32W, 120-volt only)

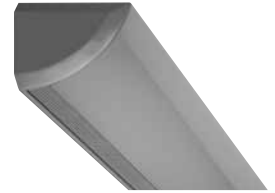
\* Available for "A" fascia only.

**WM-4003**

01/23/2012

**LAM Wall Mount**

**Profile CADA**  
Fluorescent



## Specifier's Reference

Project

Type

Model No.

Comments

**PHILIPS**  
**Day-Brite**

# photometry

## CADA T8-A

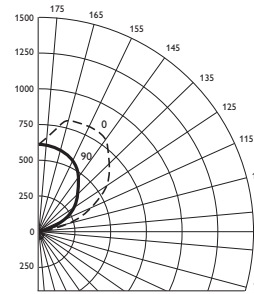
Efficiency – 71.1%

LER – 61

<b>Catalog No.</b>	CADA82-1-T8-A-0-WM
<b>Test No.</b>	30027
<b>Lamp Type</b>	T8
<b>Lumens/Lamp</b>	2900
<b>Ballast Factor</b>	1.0
<b>Input Watts</b>	34

### 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



Comparative yearly lighting energy cost per 1000 lumens – **\$3.91** based on 3000 hrs. and \$.08 pwr KWH.

Visit [www.lamlighting.com](http://www.lamlighting.com) for additional photometry.

### Zonal Lumen Summary

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

## CADA T5-A

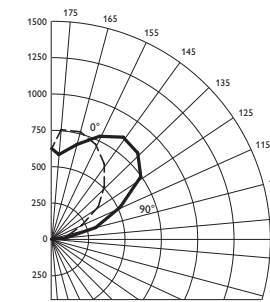
Efficiency – 57.2%

LER – 48

<b>Catalog No.</b>	CADA82-1-T5-A-0-WM-4
<b>Test No.</b>	30026
<b>Lamp Type</b>	T5
<b>Lumens/Lamp</b>	2900
<b>Ballast Factor</b>	1.00
<b>Input Watts</b>	35

### 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



Comparative yearly lighting energy cost per 1000 lumens – **\$5.07** based on 3000 hrs. and \$.08 pwr KWH.

Visit [www.lamlighting.com](http://www.lamlighting.com) for additional photometry.

### Zonal Lumen Summary

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

## CADA T5HO-B

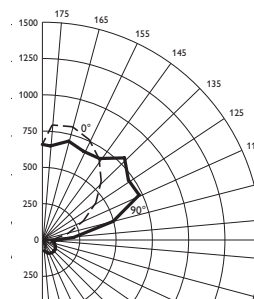
Efficiency – 61.0%

LER – 47

<b>Catalog No.</b>	CADA82-1-T5HO-B-0-WM-4
<b>Test No.</b>	30025
<b>Lamp Type</b>	T5HO
<b>Lumens/Lamp</b>	4500
<b>Ballast Factor</b>	1.0
<b>Input Watts</b>	58

### 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



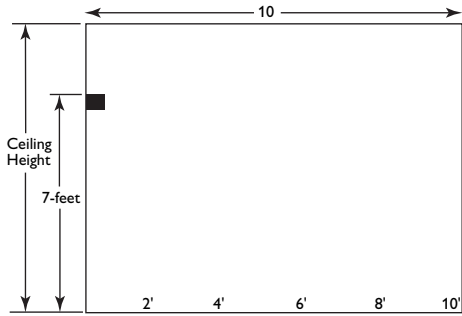
Comparative yearly lighting energy cost per 1000 lumens – **\$4.57** based on 3000 hrs. and \$.08 pwr KWH.

Visit [www.lamlighting.com](http://www.lamlighting.com) for additional photometry.

### Zonal Lumen Summary

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

# application data



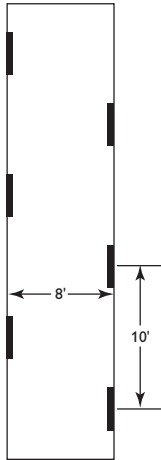
**CADA82-1-T8-4-A**, 1-Lamp, F32T8, 2900 lumens per lamp, 0.77 LLF, 0.90 Ballast Factor, continuous row

**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



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Contact Factory for Additional Configurations.  
Specifications are subject to change without notice.  
Consult website for latest version of this spec sheet.



Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "HG". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at [www.lamprecycle.org](http://www.lamprecycle.org)