

Catalog Number	Type
Project Name	



# AE8302

**8<sup>3</sup>/<sub>8</sub>" x 3" Ellipse Indirect  
(T8 or T5HO Lamps)**

\*Shown with optional Contoured End

## S P E C I F I C A T I O N S

### Housing

Constructed of one-piece .125" thick extruded aluminum. Standard lengths are available up to 12' long in one section. Provisions may be made for continuous rows of any length. Cast aluminum end plates are secured with no visible fasteners.

### Optical Control

Precisely designed specular reflector provides wide light distribution and maximizes fixture efficiency.

### Ballast

Standard ballasts for T5 and T5HO lamps are UL/CUL Listed, Class P, HPF, Electronic, Universal 120/277volt, Program Rapid Start with <10% THD.

Standard ballasts for T8 lamps are UL/CUL Listed, Class P, HPF, Electronic, Universal 120/277volt, Instant Start with <10% THD.

### Reflectors

Die-formed from .025" specular aluminum.

### Finish

Standard and premium finishes are baked powder coat electrostatically applied (2.0 mil minimum thickness) to assure aesthetics and durability.

### Circuitry

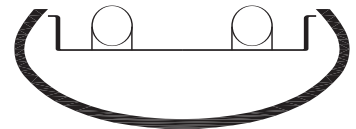
All fixtures are factory pre-wired for a single circuit. Provision for multiple switching/circuiting is optional.

### Contoured End (Optional)

One piece cast aluminum finished to match fixture housing.

### Certification

All fixtures are UL/CUL listed for use in "Dry Applications". "Damp Location" is optional.



**Standard Lengths:**  
4', 8', 12'

**Mounting**  
**CN** = Cable (Non-Tbar) Fully Adjustable (36" Standard)  
**P** = Rigid Stem (Up to 48" Standard)  
**K** = Swivel Stem (Up to 48" Standard)

**Series**

**AE8302-12-CN-OP-F01G-V-T8-[]**

Optical Control	Standard Finish	Voltage	Lamp Type	Options
OP Open	F01M Matte White F01G Gloss White <b>Premium Finishes</b> F02 Ivory F03 Stonewash F04 Camel F05 Gray Day F06 Pebble Beach F07 Steel F08 Gray Seal F09 Mocha F10 Bronzed F11 Black F12 Ultrasonic Clear	120 347	T8 T5HO	EM Emergency Battery Pack 2Ckt Two Circuit Wiring SS Separate Switching (Common Neutral Utilized) Dim Dimming FS Fused Ballasts DC (Not Available for T5HO) Clear Acrylic Dust Cover CE Contoured Ends
	F13 Merlot F14 Red Skies F15 Lemon F16 Forest Hunter F17 Olive F18 Khaki F19 Heather Green F20 Blue Print F21 Reflex Blue F22 Navy FCC Custom Color			

To view Wood Grain, Marble and Granite Finishes on our Website see "Products"- "Specialty Finishes".



# AE8302

## 8<sup>3</sup>/<sub>8</sub>" x 3" Ellipse Indirect (T8 or T5HO Lamps)

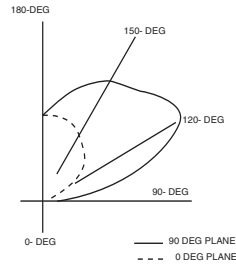
### Open

**Catalog Number:** AE8302-4-X-OP-F01-120-T8

**Report Number:** LTL #01073.ies

**Luminaire Description:** Extruded Aluminum Housing,  
Specular Aluminum Reflector

**Lamps:** Two F032T8RS rated at 2900  
lumens each



Total Luminaire Efficiency = 88.4%

100% Up 0% Down

**RP-1 Compliant**

### CANDELA DISTRIBUTION

### LUMENS

	0.0	22.5	45.0	67.5	90.0	
90	7	25	26	28	28	
95	34	198	207	201	201	205
105	145	571	753	741	743	658
115	286	654	1129	1284	1308	951
125	425	783	1124	1446	1556	970
135	550	851	1125	1335	1431	833
145	657	874	1146	1287	1333	675
155	741	878	1066	1211	1258	481
165	800	858	958	1037	1068	269
175	832	837	853	872	880	83
180	839	839	839	839	839	

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80			70			50			30			10			0		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	84	84	84	84	72	72	72	72	49	49	49	28	28	28	9	9	9	0
1	77	73	70	67	65	62	60	58	43	41	40	25	24	23	8	8	7	0
2	70	64	59	55	59	54	51	47	37	35	33	22	20	19	7	7	6	0
3	63	56	50	45	54	48	43	39	33	30	27	19	17	16	6	6	5	0
4	58	49	43	38	49	42	37	33	29	26	23	17	15	14	5	5	5	0
5	53	43	37	32	45	37	32	28	26	22	20	15	13	12	5	4	4	0
6	48	39	32	28	41	33	28	24	23	20	17	13	11	10	4	4	3	0
7	45	35	28	24	38	30	24	21	21	17	15	12	10	9	4	3	3	0
8	41	31	25	21	35	27	22	18	19	15	13	11	9	8	3	3	3	0
9	38	28	22	18	32	24	19	16	17	14	11	10	8	7	3	3	2	0
10	35	26	20	16	30	22	17	14	15	12	10	9	7	6	3	2	2	0

### QUICK SELECTION TABLE

Number of 4' luminaires required for initial illumination of 50 footcandles

Luminaire suspension length = 18" Working Plane Height = 30" Floor Reflectance = .20

Room HT	8				9				10				12			
Ceiling RF	80		70		80		70		80		70		80		70	
Wall RF	70	50	50	30	70	50	50	30	70	50	50	30	70	50	50	30
Width Length																
10. 10.	2	2	3	3	2	2	3	3	2	3	3	4	3	3	4	4
10. 15.	3	3	3	4	3	3	4	4	3	3	4	5	3	4	5	6
15. 20.	4	5	5	6	5	5	6	6	5	5	6	7	5	6	7	8
15. 30.	6	7	8	8	6	7	8	9	7	7	9	10	7	8	10	11
20. 20.	5	6	7	7	6	6	7	8	6	7	8	9	6	8	9	10
20. 30.	8	8	10	10	8	9	10	11	8	9	11	12	9	10	12	13
20. 40.	10	11	12	13	10	11	13	14	11	12	14	15	11	13	15	17
20. 60.	14	15	18	19	15	16	19	20	15	17	19	21	16	18	21	23
30. 30.	11	12	13	14	11	12	14	15	12	13	15	16	12	14	16	18
30. 40.	14	15	17	18	15	16	18	19	15	16	19	20	16	17	20	22
30. 50.	18	18	21	22	18	19	22	23	18	20	23	24	19	21	25	27
30. 60.	21	22	25	26	21	22	26	27	22	23	27	29	23	25	29	31
60. 60.	40	41	48	49	40	42	49	51	41	43	50	52	42	45	52	55
60. 80.	52	54	63	64	53	55	64	66	54	56	66	68	55	58	68	71
60. 100.	65	67	78	79	66	68	79	81	67	69	81	84	69	72	84	88
100. 100.	107	109	127	129	108	110	129	131	109	112	131	134	111	115	135	139

