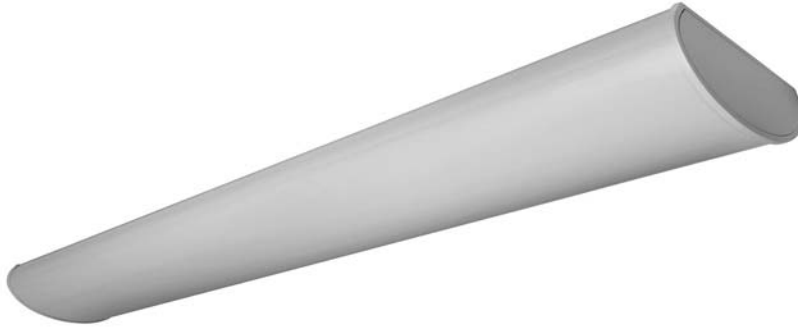


# AE8300 Series

Catalog Number

Type

Project Name



## AE8302

8<sup>3</sup>/<sub>8</sub>" x 3" Ellipse Indirect  
(T8, T5 or T5HO Lamps)

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

#### Housing

One-piece .093" thick extruded aluminum. Die-cast aluminum end plates are secured with no visible fasteners. Standard lengths are 4', 8' and 12'. Provisions may be made for patterns and continuous rows of any length.

#### Finish

Standard and premium finishes are baked powder coat electrostatically applied (2.0 mil minimum thickness) to assure aesthetics and durability. Standard finish for stems and canopies is white.

#### Contoured Ends (Optional)

One piece cast aluminum finished to match fixture housing.

#### Optical Control

- (OP) Open
- (DC) Clear extruded 100% DR acrylic dust cover

#### Reflector

Die-formed from .020" thick high reflectance specular aluminum.

#### Ballast

Standard ballasts for T5 and T5HO lamps are UL/CUL Listed, Class P, HPF, electronic, universal 120/277volt, programmed 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.

#### Circuitry

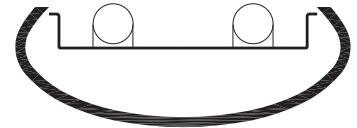
All fixtures are factory pre-wired for a single circuit. Provision for multiple switching/circuiting is optional.

#### Controls

Contact factory for control by Occupancy Sensors, Photo Controls and Daylight Harvesting.

#### Certification

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



Standard Lengths:  
4', 8' and 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

## AE8302-12-CN-DC-F01M-V-T8-[]

#### Optical Control

OP  
Open  
DC (N/A for T5HO)  
Clear Dust Cover

#### Standard Finishes

F01M Matte White  
F01G Gloss White  
**Premium Finishes**  
F02 Ivory F13 Merlot  
F03 Stonewash F14 Red Skies  
F04 Camel F15 Lemon  
F05 Gray Day F16 Forest Hunter  
F06 Pebble Beach F17 Olive  
F07 Steel F18 Khaki  
F08 Gray Seal F19 Heather Green  
F09 Mocha F20 Blue Print  
F10 Bronzed F21 Reflex Blue  
F11 Black F22 Navy  
F12 Ultrasonic Clear FCC Custom Color

#### Voltage

120 T8  
277 T5  
347 T5HO

#### Lamp Type

#### Options

SS-L/R (Left/Right)  
Lamp Row Switching  
(Common Neutral Utilized)  
NLCKT  
Separate Night Light Circuit  
EMCKT  
Separate Emergency Circuit  
EBPL  
Emergency Battery Pack  
(635-700 Lumens)  
EBPH  
Emergency Battery Pack  
(975-1325 Lumens)

#### Dim

Dimming  
FS  
Fused Ballasts  
GTD  
Generator Transfer Device  
CE  
Contoured Ends

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)

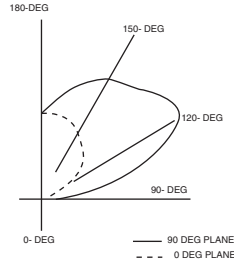
Open

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

