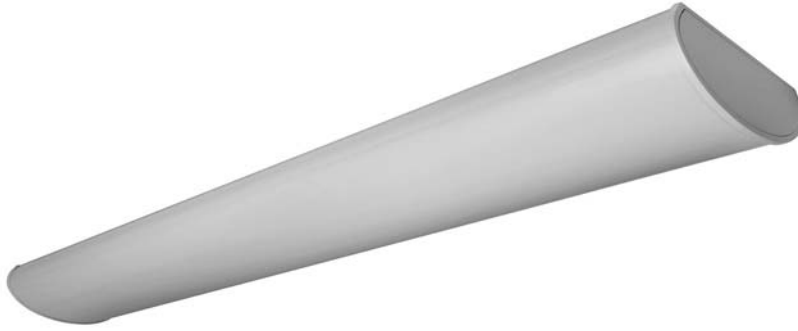


AE8300 Series

Catalog Number

Type

Project Name



AE8303

8³/₈" 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

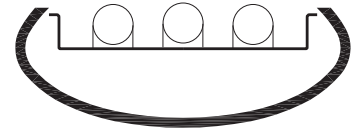
All fixtures are factory pre-wired for a single circuit. Provision for multiple switching/circuiting is optional.

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
AE8303

AE8303-12-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
F03 Stonewash
F04 Camel
F05 Gray Day
F06 Pebble Beach
F07 Steel
F08 Gray Seal
F09 Mocha
F10 Bronzed
F11 Black
F12 Ultrasonic Clear
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

Voltage

120
277
347

Lamp Type

T8
T5
T5HO

Options

SS-I/O (Inboard/Outboard)
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".



AE8303

8³/₈" x 3" Ellipse Indirect (T8 or T5HO Lamps)

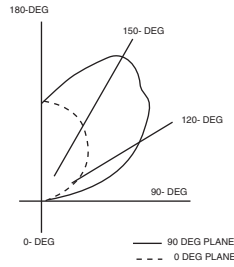
Open

Catalog Number: AE8303-4-X-OP-F01-120-T8

Report Number: LTL #01075.ies

Luminaire Description: Extruded Aluminum Housing,
Specular Aluminum Reflector

Lamps: Three F032T8RS rated at 2900
lumens each



Total Luminaire Efficiency = 82.9%

100% Up 0% Down

RP-1 Compliant

	CANDELA DISTRIBUTION					LUMENS	
	0.0	22.5	45.0	67.5	90.0		
90	7	20	19	18	19		
95	53	181	186	183	181	193	
105	247	666	732	709	700	681	
115	480	1051	1245	1305	1311	1112	
125	706	1389	1600	1737	1767	1330	
135	909	1490	1888	1988	2036	1320	
145	1079	1512	2019	2206	2232	1155	
155	1212	1494	1850	2117	2207	830	
165	1307	1435	1633	1782	1833	457	
175	1355	1375	1410	1449	1462	137	
180	1369	1369	1369	1369	1369		

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80			70			50			30			10			0		
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0			
0	79	79	79	79	68	68	68	68	46	46	46	26	26	26	8	8	8	0
1	72	68	65	63	61	59	56	54	40	39	37	23	22	22	7	7	7	0
2	65	60	55	51	56	51	47	44	35	33	31	20	19	18	6	6	6	0
3	59	52	47	42	51	45	40	37	31	28	26	18	16	15	6	5	5	0
4	54	46	40	36	46	40	35	31	27	24	22	16	14	13	5	5	4	0
5	50	41	35	30	42	35	30	26	24	21	19	14	12	11	5	4	4	0
6	45	36	30	26	39	31	26	22	22	18	16	13	11	9	4	4	3	0
7	42	33	27	22	36	28	23	19	19	16	14	11	9	8	4	3	3	0
8	39	29	23	19	33	25	20	17	17	14	12	10	8	7	3	3	2	0
9	36	26	21	17	30	23	18	15	16	13	11	9	8	6	3	2	2	0
10	33	24	19	15	28	21	16	13	14	11	9	8	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			
	Ceil RF		Wall RF		Ceil RF		Wall RF		Ceil RF		Wall RF		Ceil RF		Wall RF	
10.	80	70	70	50	80	70	70	50	80	70	70	50	80	70	70	50
10.	2	2	2	2	2	2	2	2	2	2	3	2	2	3	3	3
10.	2	2	3	3	2	2	3	3	2	3	3	3	3	3	4	4
15.	3	4	4	4	3	4	4	5	4	4	5	5	4	5	5	6
15.	4	5	6	6	5	5	6	6	5	5	6	7	5	6	7	8
20.	4	4	5	5	4	5	5	6	4	5	6	6	5	5	6	7
20.	6	6	7	7	6	6	7	8	6	7	8	8	6	7	9	9
20.	7	8	9	9	7	8	9	10	8	8	10	11	8	9	11	12
20.	10	11	13	13	11	12	13	14	11	12	14	15	12	13	15	17
30.	8	8	10	10	8	9	10	11	8	9	11	11	9	10	12	13
30.	10	11	13	13	11	11	13	14	11	12	14	14	11	13	15	16
30.	13	13	15	16	13	14	16	17	13	14	16	17	14	15	18	19
30.	15	16	18	19	15	16	19	20	16	17	19	20	16	18	21	22
60.	28	29	34	35	29	30	35	36	29	31	36	37	30	32	37	39
60.	37	38	45	46	38	39	46	47	38	40	47	48	40	42	49	51
60.	46	47	55	57	47	48	57	58	48	49	58	59	49	51	60	63
100.	76	77	90	92	77	78	92	93	77	80	93	95	79	82	96	99

