

AE8300 Series



Catalog Number	Type
Project Name	

AE8305

7" x 3" Ellipse Asymmetric Indirect with Side Lens (T8, T5 or T5HO Lamps)

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

Housing

One-piece .110" 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 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.

Contoured Ends (Optional)

One piece cast aluminum finished to match fixture housing.

Optical Control

■ (SL) Clear extruded 100% DR acrylic linear prismatic side lens

Reflector

Die-formed from .020" thick aluminum and finished with a high reflectance white enamel.

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

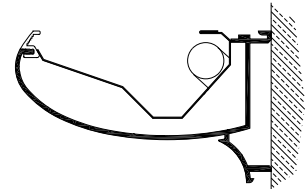
All fixtures are factory pre-wired for a single circuit. Provision for multiple switching/circuiting is optional.

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
W = Wall

Series
AE8305

AE8305-12-W-SL-F01M-V-T8-[]

Optical Control

SL
Side Lens

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

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".



AE8305

7" x 3" Ellipse Asymmetric Indirect with Side Lens (T8 or T5HO Lamps)

T8 Lamps

Catalog Number: AE8305-4-X-SL-F01-120-T8

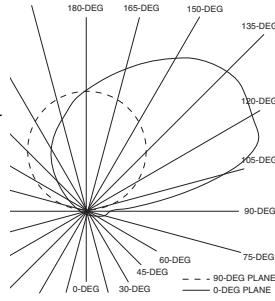
Report Number: LTL #06089.ies

Luminaire Description: Extruded Aluminum Housing, White Enamel Aluminum Reflector

Optical Control: Side Lens

Lamps: One F32T8/TL841 Rated at 2850 Lumens each

Total Luminaire Efficiency = 69.3%
97% Up 3% Down



T5HO Lamps

Catalog Number: AE8305-4-X-SL-F01-120-T5HO

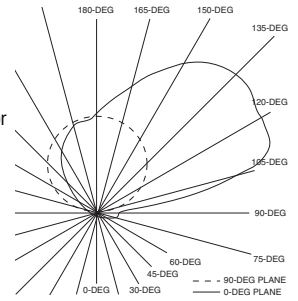
Report Number: LTL #06087.ies

Luminaire Description: Extruded Aluminum Housing, White Enamel Aluminum Reflector

Optical Control: Side Lens

Lamps: One FP54/830/HO Rated at 4400 Lumens each

Total Luminaire Efficiency = 74.4%
98% Up 2% Down



CANDELA DISTRIBUTION LUMENS

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0
0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
45	3	0	0	0	0	0	0	0	0
55	11	8	1	0	0	0	0	0	3
65	40	36	19	0	0	0	0	0	9
75	75	64	31	2	0	0	0	0	18
85	84	67	28	6	0	0	0	0	19
90	74	56	27	9	1	1	1	0	0
95	192	206	188	145	23	15	7	9	10
105	548	568	486	293	103	45	41	43	46
115	736	689	553	392	189	110	73	64	64
125	758	728	619	430	263	191	125	100	98
135	770	731	619	456	328	251	200	162	157
145	721	684	591	474	382	309	273	241	236
155	645	616	557	482	423	369	329	312	309
165	572	551	524	488	451	419	387	370	370
175	501	492	486	474	462	454	446	439	446
180	468	468	468	468	468	468	468	468	468

CANDELA DISTRIBUTION LUMENS

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0
0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
45	1	0	0	0	0	0	0	0	0
55	17	15	3	0	0	0	0	0	3
65	64	57	29	0	0	0	0	0	15
75	132	113	49	0	0	0	0	0	30
85	144	110	41	5	0	0	0	0	31
90	116	88	44	9	0	0	0	0	0
95	279	288	275	268	34	20	11	7	8
105	1008	1036	874	537	160	72	62	62	66
115	1275	1188	972	690	285	187	111	101	104
125	1307	1254	1078	721	393	329	208	163	160
135	1326	1262	1059	727	476	431	341	273	265
145	1237	1161	975	728	542	511	473	412	404
155	1064	997	869	717	594	576	551	531	535
165	874	835	773	694	625	606	608	599	602
175	722	702	685	663	647	632	628	624	626
180	651	651	651	651	651	651	651	651	651

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	66	66	66	66	57	57	57	57	39	39	39	23	23	23	9	9	9	2
1	60	57	55	52	51	49	47	45	34	33	31	20	19	19	7	7	7	1
2	55	50	46	42	47	43	39	37	29	27	26	17	16	15	6	6	5	0
3	50	43	39	35	42	37	33	30	26	23	21	15	14	13	5	5	4	0
4	45	38	33	29	39	33	29	25	23	20	18	13	12	11	5	4	4	0
5	41	34	29	25	35	29	25	22	20	17	15	12	10	9	4	4	3	0
6	38	30	25	21	32	26	22	18	18	15	13	11	9	8	4	3	3	0
7	35	27	22	18	30	23	19	16	16	13	11	10	8	7	3	3	2	0
8	32	24	19	16	27	21	17	14	15	12	10	9	7	6	3	2	2	0
9	30	22	17	14	25	19	15	12	13	11	9	8	6	5	3	2	2	0
10	28	20	15	12	24	17	13	11	12	9	8	7	6	5	2	2	2	0

NOTE:

The Zonal Cavity calculation technique is accurate when luminaires with symmetric candela distributions are employed and when the luminaires are located symmetrically throughout the room. This unit has special characteristics and therefore the Coefficients of Utilization should be used with caution. Consult your local factory representative for specific application assistance.

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	71	71	71	71	61	61	61	61	42	42	42	25	25	25	9	9	9	2
1	64	61	59	56	55	53	50	48	36	35	34	21	21	20	8	7	7	1
2	59	53	49	45	50	46	42	39	32	29	28	18	17	16	6	6	6	0
3	53	47	41	37	45	40	36	32	28	25	23	16	15	14	6	5	5	0
4	49	41	36	31	41	35	31	27	24	22	19	14	13	11	5	4	4	0
5	44	36	31	27	38	31	27	23	22	19	16	13	11	10	4	4	3	0
6	41	32	27	23	35	28	23	20	19	16	14	11	10	8	4	3	3	0
7	37	29	23	20	32	25	20	17	17	14	12	10	8	7	4	3	2	0
8	35	26	21	17	29	22	18	15	16	13	11	9	8	6	3	3	2	0
9	32	24	18	15	27	20	16	13	14	11	9	8	7	6	3	2	2	0
10	30	21	16	13	25	19	14	12	13	10	8	8	6	5	3	2	2	0

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