

**2 or 3 Lamp
T8 or T12
With American Louver 38-1148
Injection Molded Lens.**

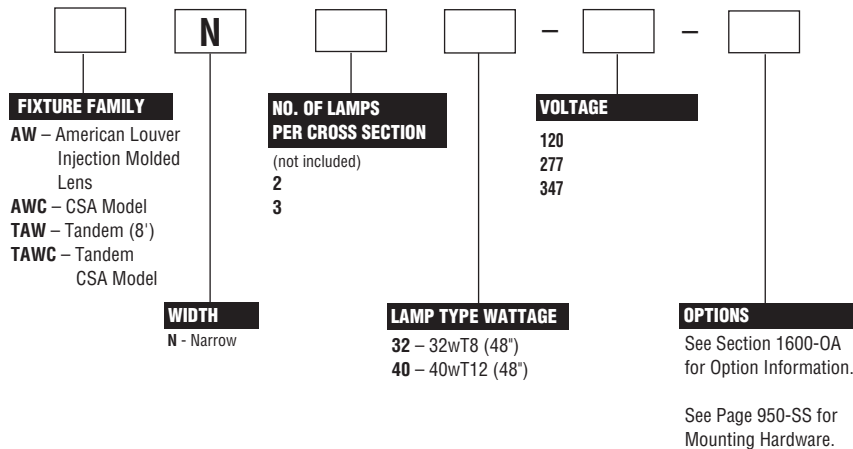
CONSTRUCTION/FINISH

- American Louver 38-1148 injection molded acrylic lens. The prismatic pattern consists of uniform, square-base, male conical prisms (1/8" sq. base-64 prisms per sq. in.), assuring high efficiency and effective light control. Absolute uniformity of variable-pitch prisms on both inner and outer surfaces of the side panels provides even, glare-free illumination of surrounding ceiling area and a well balanced concentration of light in the working plane.
- 100% virgin acrylic lens hinges from either side for easy maintenance.
- Housing is multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel.
- Multiple knockouts accommodate a variety of mounting methods.
- Heavy duty channel of code gauge die formed steel.
- For surface or stem mounting.

ELECTRICAL

- UL listed for direct mounting to low density ceilings.
- UL listed for damp location.
- Class P, HPF, CBM certified ballasts comply with Federal Ballast Law (Public Law 100-357,1988).
- Lampholders snap into socket plates and may be individually replaced or rewired.
- Self-contained fluorescent emergency power packs can be incorporated.
- C.S.A. certified optional.

CATALOG NUMBER



NOTES:

- With generic Electronic Ballasts (Brand selected by Day-Brite)
 Suffix Catalog # with **Ballast Quantity** - / **-EB Lamps Per Ballast.**

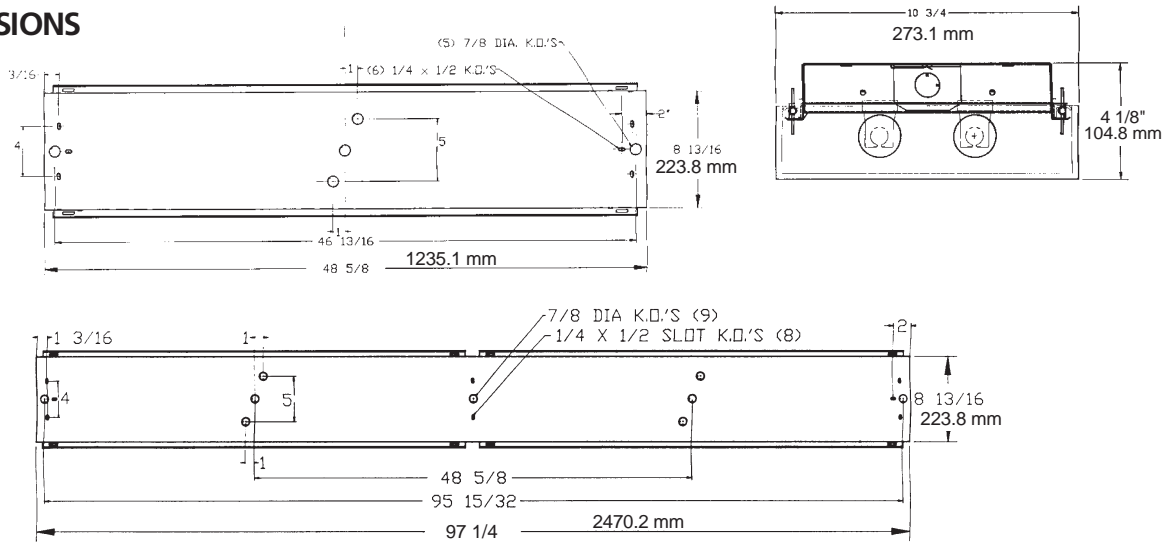
Example: -1/2-EB = One 2 Lamp Electronic Ballast.
Example: -2/2-EB = Two 2 Lamp Electronic Ballasts.

Example: -1/3-EB = One 3 Lamp Electronic Ballast.
Example: -1/21-EB = One 2 Lamp Electronic Ballast and One 1 Lamp Electronic Ballast.

AW NARROW WRAPAROUND



DIMENSIONS



PHOTOMETRIC DATA

CATALOG # AWN 232-1/2-EB
TEST #14955 S/MH=1.5

LAMPS = F32 T8
BALLAST = ELECTRONIC

INPUT WATTS = 53
BALLAST FACTOR = .92

LER = FW-82

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.93 BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY= 81.5%

CANDLEPOWER			
Angle	End	45	Cross
0	1426	1426	1426
5	1423	1430	1425
15	1382	1429	1463
25	1287	1407	1487
35	1119	1338	1425
45	870	1043	1139
55	457	600	608
65	226	363	358
75	139	209	270
85	44	120	208
95	1	100	344
105	6	144	501
115	9	165	214
125	10	100	171
135	14	74	108
145	18	51	83
155	21	38	56
165	20	26	35
175	20	18	20

MAINTAINED ILLUMINATION TABLE- Square Feet/Fixture*

- 80-50-20 Reflectances (Ceiling-Wall-Floor)
- LLF = 0.76 2900 Lumens/Lamp very clean
- Room width divided by room height = 5 or more, 2 or 1

Fixture Size & # of Lamps	Room Width Room Height =	Approx. Area (sq. ft.) per Fixture				
		10 ft-c	30 ft-c	50 ft-c	70 ft-c	100 ft-c
2-Lamp F32 T8	5	-	120	72	52	36
	2	-	85	51	37	-
	1	-	61	37	-	-

*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE CD/SQ.M WITH 2900 LUMEN LAMPS			
ANGLE	END	45°	CROSS
45	3632	3848	4101
55	2307	2558	2509
65	1501	1901	1794
75	1411	1477	1791
85	1012	1366	2137

Room Size	Typical V.C.P.'s Mounting Height	
	Lengthwise	Crosswise
30x30	8.5	10
40x40	6.1	6.6
60x30	5.7	6.1
60x60	6.3	6.6
100x100	5.4	5.6

LLF = .76 LLF = LIGHT LOSS FACTOR LLF = LDD X LLD X BF LDD = VERY CLEAN 0.94 CLEAN 0.90
LLD = 0.88 @ 40% RATED LAMP LIFE BF = 0.92 ELECTRONIC BALLAST & T-8 LAMP (RELAMP AT 70% LAMP LIFE)

COEFFICIENT OF UTILIZATION

pfc pcc pw	20			70			50		
	70	50	30	70	50	30	50	30	
RCR	0	94	94	94	90	90	90	83	83
1	86	82	79	83	79	77	74	71	
2	79	73	68	76	70	66	66	62	
3	73	65	59	70	63	57	59	54	
4	67	58	52	64	56	50	53	48	
5	61	52	45	59	50	44	47	42	
6	57	47	40	54	45	39	42	37	
7	52	42	35	40	41	34	38	33	
8	48	38	31	46	36	30	34	29	
9	44	34	27	42	33	27	31	25	
10	41	30	24	39	30	24	28	23	

LIGHT DISTRIBUTION

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	1188.	20.5	25.1
0-40	2007.	34.6	42.4
0-60	3337.	57.5	70.6
0-90	4020.	69.3	85.0
90-180	709.	12.2	15.0
0-180	4729.	81.5	100.0

PHOTOMETRIC DATA

CATALOG # AWN 332-1/3-EB
TEST #14954 S/MH=1.4

LAMPS = F32 T8
BALLAST = ELECTRONIC

INPUT WATTS = 82
BALLAST FACTOR = .93

LER = FW-75

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$3.20 BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY= 76.5%

CANDLEPOWER			
Angle	End	45	Cross
0	2175	2175	2175
5	2163	2176	2174
15	2099	2169	2208
25	1955	2112	2211
35	1699	1956	2050
45	1310	1474	1545
55	668	835	834
65	329	501	480
75	204	290	362
85	61	161	279
95	3	130	425
105	7	170	525
115	13	192	278
125	16	131	182
135	18	95	147
145	22	65	98
155	27	49	68
165	27	34	37
175	28	24	24

MAINTAINED ILLUMINATION TABLE- Square Feet/Fixture*

- 80-50-20 Reflectances (Ceiling-Wall-Floor)
- LLF = 0.77 2900 Lumens/Lamp very clean
- Room width divided by room height = 5 or more, 2 or 1

Fixture Size & # of Lamps	Room Width Room Height =	Approx. Area (sq. ft.) per Fixture				
		10 ft-c	30 ft-c	50 ft-c	70 ft-c	100 ft-c
3-Lamp F32 T8	5	-	-	105	75	52
	2	-	124	75	53	37
	1	-	88	54	38	-

*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE CD/SQ.M WITH 2900 LUMEN LAMPS			
ANGLE	END	45°	CROSS
45	5469	5439	5562
55	3373	3560	3441
65	2185	2624	2405
75	2071	2049	2401
85	1043	1833	2866

Room Size	Typical V.C.P.'s Mounting Height	
	Lengthwise	Crosswise
30x30	5.3	5.7
40x40	4.9	5.2
60x30	5.5	5.8
60x60	4.6	4.8
100x100	4.3	4.5

LLF = .77 LLF = LIGHT LOSS FACTOR LLF = LDD X LLD X BF LDD = VERY CLEAN 0.94 CLEAN 0.90
LLD = 0.88 @ 40% RATED LAMP LIFE BF = 0.93 ELECTRONIC BALLAST & T-8 LAMP (RELAMP AT 70% LAMP LIFE)

COEFFICIENT OF UTILIZATION

pfc pcc pw	20			70			50		
	70	50	30	70	50	30	50	30	
RCR	0	88	88	88	85	85	85	79	79
1	81	78	75	78	75	73	70	68	
2	75	69	64	72	67	63	63	59	
3	69	62	56	66	60	55	56	52	
4	64	55	49	61	54	48	51	46	
5	58	49	43	56	48	42	45	40	
6	54	44	38	52	43	37	41	36	
7	50	40	34	48	39	33	37	32	
8	46	36	30	44	35	29	33	28	
9	42	32	26	41	31	26	30	25	
10	39	29	23	38	28	23	27	22	

LIGHT DISTRIBUTION

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	1792.	20.6	26.9
0-40	2994.	34.4	45.0
0-60	4872.	56.0	73.2
0-90	5809.	66.8	87.2
90-180	850.	9.8	12.8
0-180	6658.	76.5	100.0

1005-WP

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