

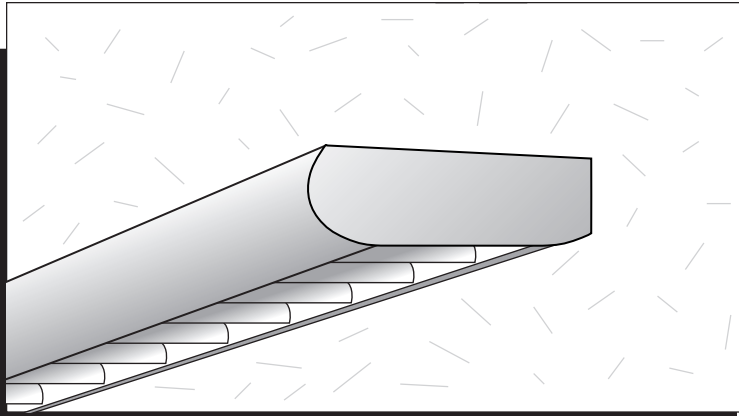


DIRECT/INDIRECT

# ALS, ALLEGRO

TYPE

9" x 3" WALL MOUNT



Project: \_\_\_\_\_

Location: \_\_\_\_\_

### CONSTRUCTION

Allegro is a direct/indirect luminaire constructed of extruded aluminum. Available in 4' and 8' housings, Allegro is reinforced to provide maximum rigidity across the entire housing. Diecast aluminum end caps provide zero tolerance alignment between fixtures, resulting in consistently straight rows with no snaking. Upper reflectors are constructed of specular anodized aluminum for precise upward distribution. In addition to a standard 60/40 distribution, four other distribution options are available. Relamped from above, Allegro is available with one, two, or three T8 lamps.

### FINISH

The housing is finished with a baked powder coat matte white finish as standard. Diecast end caps and intermediate couplers are painted to match the housing.

### SHIELDINGS

The parabolic louver is securely attached to the housing from the top, eliminating any chance of loosening or falling from the fixture. Constructed of semi-specular anodized aluminum, the eleven-cell louver measures 1 1/2" high and provides maximum efficiency and a glare-free environment. Guaranteed to be free from defects for a period of 25 years, the aluminum finish will remain dust and fingerprint free.

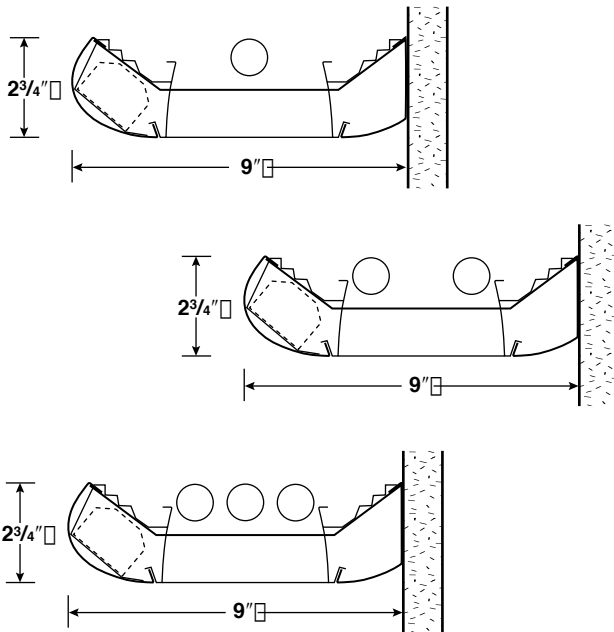
### MOUNTING

The wall mount Allegro mounts directly to and is flush to the wall. A 7/8" knockout is provided in the center of the unit to mount to a junction box. If a junction box larger than 2" in diameter is used, a cover plate must be used to cover the exposed junction box. A plate is provided with each fixture for this purpose. Key-hole slots on the back of the unit provide additional support. Consult the Installation Sheet for exact dimensions and locations of holes and slots.

### LABELS AND ELECTRICAL

Fixtures bear appropriate UL or CSA labels. Available in 120, 277, or 347 volt, fixtures are prewired with small case electronic T8 ballasts and quick disconnect plugs.

CROSS SECTIONS



Dimensions and specifications subject to change without notice.

ORDERING INFORMATION

#### Model

ALS - Allegro

#### Row Length

Specify entire row

#### Lamp Type & Profile

- 1T8 - One T8 Lamp
- 2T8 - Two T8 Lamps
- 3T8 - Three T8 Lamps

#### Distribution

- Blank - 60% Uplight, 40% Downlight (Std.)
- 0/100 - Downlight Only (0% Uplight, 100% Downlight)
- 20/80 - 20% Uplight, 80% Downlight
- 40/60 - 40% Uplight, 60% Downlight
- 85/15 - 85% Uplight, 15% Downlight

#### Mounting Method

WM - Wall Mount  
See HGR-1 for other hanging methods.

#### Shielding

- LD - Non-Iridescant Semi-Specular Anodized Aluminum (Std.)
- LS - Low Iridescant Specular
- LD18 - 18-cell Low Iridescant Semi-Specular
- A12 - Acrylic Pattern 12 Prismatic Lens
- A19 - Acrylic Pattern 19 Prismatic Lens

#### Voltage

- 120 - 120V
- 277 - 277V
- 347 - 347V
- U - 120V-277V

#### Housing Finish

MW - Matte White (Std.)  
See MTX-1 for other color selections.

#### Fixture Length

Single or Row Individual Lengths.  
Note: Fixtures in rows are modular and will be identified as components within the row by their individual lengths.  
Lengths for this product are:  
4 = 4'  
8 = 8'

#### Options

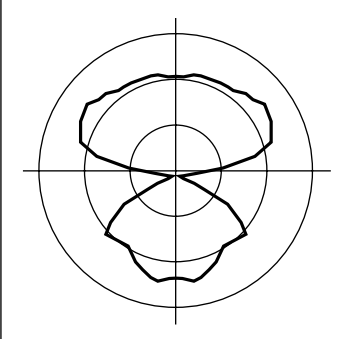
- DL - Damp Label
- IBOB - Inboard/Outboard Switching
- DC - Dust Cover
- GLR - Fast Blow Fuse
- GMF - Slow Blow Fuse
- EL - Emergency Battery Pack
- CSA - UL listed or CSA certified for Canada

#### Ballast Type

- E - Electronic, Instant Start (Standard for T8)
  - EP - Electronic, Programmed Start (Optional for T8)
- Unless specified, Alera will use fewest ballasts possible.

**Cat. No.:** ALS-2T8UD-CM-MA-E  
**Lamps:** Two F32T8  
**Ballasts:** REL2P32SC  
**Test No.:** 12311  
**Efficiency:** 88.3%  
**S/MH:** Parl 1.19 Norm 1.28  
**Max Candela (Down):** 748 @ 15°  
**Max Candela (Up):** 737 @ 165°

Candela Curve (90° Plane)



CANDLEPOWER			
Deg.	Parl.	45°	Norm.
0	733	733	733
5	727	738	737
15	695	748	744
25	622	671	673
35	525	570	604
45	398	468	630
55	245	390	577
65	92	210	252
75	16	33	70
85	2	4	9
90	0	0	0
95	24	154	154
105	117	519	607
115	234	596	772
125	355	631	815
135	467	647	795
145	563	674	757
155	637	705	745
165	688	737	743
175	716	729	728
180	722	722	722

**ENERGY DATA**  
**Energy Cost: \$3.12\*** LER: 77  
**Input Watts: 58** BF: .88  
\*Comparative annual lighting energy cost per 1000 lumens based on 3000 hours and \$0.08 per KWH.

**COEFFICIENTS OF UTILIZATION** Effective Floor Cavity Reflectance = 0.20

RC RW	80				70				50				0
	70	50	30	10	70	50	30	10	50	30	10	0	
1	84	81	78	75	77	74	71	69	62	60	58	29	
2	77	71	66	62	70	65	61	57	57	53	50	26	
3	71	63	57	52	64	58	53	48	52	47	44	22	
4	65	56	49	44	59	51	46	41	47	42	38	19	
5	59	50	43	38	54	45	39	35	43	37	33	16	
6	55	44	37	32	49	41	35	30	40	34	29	14	
7	50	40	33	28	45	36	30	26	37	30	26	12	
8	46	36	29	24	42	33	27	23	34	27	23	11	
9	43	32	26	21	39	29	24	20	31	24	20	9	
10	40	29	23	19	36	27	21	17	29	22	18	8	

**ZONAL SUMMARY**

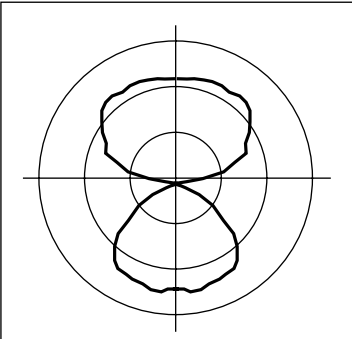
Zone	Lumens	Lamp	Fixture
0-30	582	10.0	11.4
0-40	943	16.3	18.4
0-60	1674	28.9	32.7
0-90	1914	33.0	37.4
90-120	1147	19.8	22.4
90-130	1691	29.1	33.0
90-150	2608	45.0	50.9
90-180	3208	55.3	62.6
0-180	5121	88.3	100.0

**LUMINANCE SUMMARY** Footlamberts

Degree	Parl.	45°	Norm.
55	964	1540	2276
60	753	1485	1895
65	492	1122	1350
70	182	631	901
75	139	290	611
80	107	195	394
85	61	107	221

**Cat. No.:** ALS-3T8UD-CM-MA-E  
**Lamps:** Three F32T8  
**Ballasts:** REL2P (1P) 32SC  
**Test No.:** 12295  
**Efficiency:** 84.6  
**S/MH:** Parl 1.20 Norm 1.46  
**Max Candela (Down):** 1169 @ 15°  
**Max Candela (Up):** 1174 @ 155°

Candela Curve (90° Plane)



CANDLEPOWER			
Deg.	Parl.	45°	Norm.
0	1145	1145	1145
5	1136	1150	1151
15	1087	1169	1181
25	979	1095	1141
35	829	983	1109
45	632	842	962
55	390	576	681
65	143	256	281
75	25	44	76
85	6	6	8
90	0	0	0
95	44	149	133
105	196	503	565
115	386	701	833
125	576	890	986
135	751	997	1136
145	896	1063	1173
155	1011	1116	1174
165	1091	1143	1167
175	1131	1146	1143
180	1139	1139	1139

**ENERGY DATA**  
**Energy Cost: \$3.24\*** LER: 74  
**Input Watts: 90** BF: .90  
\*Comparative annual lighting energy cost per 1000 lumens based on 3000 hours and \$0.08 per KWH.

**COEFFICIENTS OF UTILIZATION** Effective Floor Cavity Reflectance = 0.20

RC RW	80				70				50				0
	70	50	30	10	70	50	30	10	50	30	10	0	
1	82	78	75	73	74	72	69	67	61	59	57	31	
2	75	69	65	61	68	63	60	56	56	53	50	27	
3	69	61	56	51	63	56	52	48	51	47	43	24	
4	63	55	48	44	57	50	45	41	47	42	38	20	
5	58	48	42	37	53	45	39	35	43	37	33	18	
6	53	43	37	32	48	40	34	30	40	33	29	15	
7	49	39	32	28	44	36	30	26	36	30	26	13	
8	45	35	28	24	41	32	26	23	34	27	23	12	
9	41	31	25	21	38	29	23	20	31	24	20	10	
10	38	28	22	18	35	26	21	17	29	22	18	9	

**ZONAL SUMMARY**

Zone	Lumens	Lamp	Fixture
0-30	934	10.7	12.7
0-40	1550	17.8	21.1
0-60	2672	30.7	36.3
0-90	2978	34.2	40.5
90-120	1283	14.8	17.4
90-130	2031	23.3	27.6
90-150	3442	39.6	46.8
90-180	4383	50.4	59.5
0-180	7362	84.6	100.0

**LUMINANCE SUMMARY** Footlamberts

Degree	Parl.	45°	Norm.
55	1538	2272	2685
60	1190	1878	2148
65	767	1371	1502
70	274	769	993
75	216	382	661
80	170	257	431
85	144	144	209