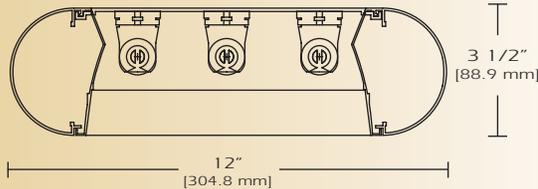


# Ovals

AD3512-D



TYPE \_\_\_\_\_

FEATURES

The AD3512 oval aluminum luminaire is distinguished by its low profile and contemporary design. This high quality luminaire is suitable for most lighting systems and can be mounted to suit any project. The highly efficient design produces a uniform direct light distribution. The AD3512 is ideal where style quality and performance applications apply.

SPECIFICATIONS

- Housing:** Two piece heavy gauge extruded aluminum 6063T5 alloy welded construction forming a 3 1/2" x 12" oval profile. Finished end caps are welded to housing with no exposed hardware or knockouts.
- Reflector:** Die formed 20-gauge cold rolled steel minimum 90% reflectivity finished in high gloss baked white enamel.
- Shielding:** Parabolic louver is semi-specular low iridescence aluminum 1 1/4" x 2.4" O.C. with 20 cells per 4' section. Four spring wire clips secure snap in baffle including two tethers.
- Electrical:** Ballast is electronic, high power factor, thermally protected class P, sound rated A, with less than 20% total harmonic distortion. The minimum number of ballasts will be used unless otherwise specified.
- Mounting:** Standard installation is an adjustable self-locking aircraft assembly 48" x 3/32" in diameter with 5" canopy. One 16/4 SJT straight 54" cord is supplied with each power feed. Standard pendants are available in 24" lengths. See Accessories for additional mounting.
- Finish:** Fixture housing and steel components are finished in baked white enamel applied over a five-stage pretreatment process.
- Lamps:** Fixtures are provided for use with two, three or four 32 watt T8 lamps or 54 watt T5 HO lamps. (Supplied by Others)
- Certification:** Luminaires are U. L. Listed, C. S. A. certified and are Union Made in the United States of America I.B.E.W.

ORDERING GUIDE

MODEL NO.	DIRECTION	SHIELDING	LAMPS	MOUNTING	LENGTH	FINISH	VOLTAGE	OPTIONS
<b>AD3512</b>	<b>D</b>							
<b>AD3512</b>	<b>D=Direct</b>	<b>PBL=Parabolic Louver</b> <b>SCB=Steel Cross Baffle</b> <b>PRS=Prismatic Acrylic</b> <b>WOA=White Opal Acrylic</b>	<b>232T8</b> <b>332T8</b> <b>432T8</b> <b>254T5 HO</b> <b>354T5 HO</b> <b>454T5 HO</b> <b>O=Other Specify</b>	<b>AC= Cable</b> <b>PD= Pendant</b> <b>S= Surface</b>  See Accessories	<b>4= 4 ft</b> <b>8= 8 ft</b>  for other, please enter row length (eg. 48=48ft)	<b>W= White</b> <b>CC= Custom Color</b>	<b>120v</b> <b>277v</b>	<b>See Options Below</b>

Example: **AD-3512-D-PBL-232T8-AC-4-W-120V**  
 Example: AD-3512 direct with parabolic louver for two 32 watt T8 lamps including two 48 inch aircraft cables and power feed four foot fixture finished in baked white enamel 120v electronic ballast less than 20% total harmonic distortion.

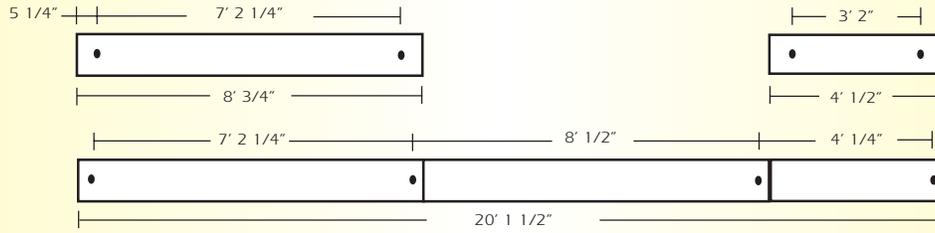
OPTIONS

- E10=** Electronic ballast, high power factor, thermally protected class P, sound rated A, < 10% total harmonic distortion
- DIM=** Dimming Ballast
- EPC=** Emergency Battery Pack
- EMC=** Emergency Circuit
- TCW=** Two Circuit Wiring
- TDW=** Tandem Wiring
- OTH=** See Accessories for other options available

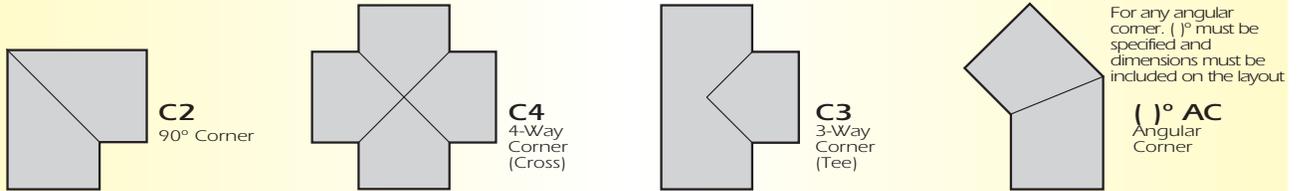
# Ovals

AD3512-D

LINEAR SECTIONS AND SUSPENSION LOCATION

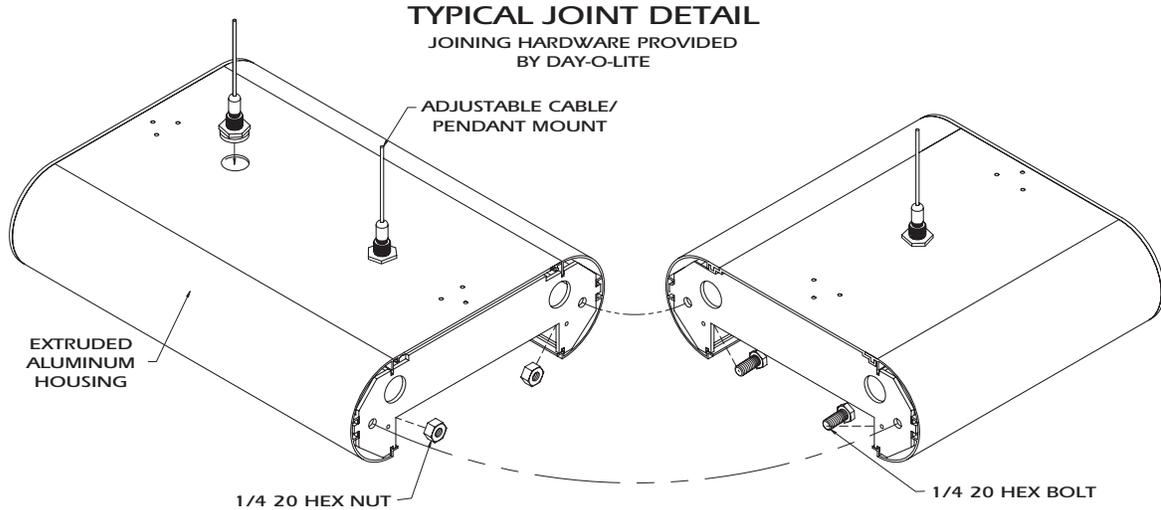


**CORNERS** Corners and fixture extensions are custom fabricated to precise dimensions. Please indicate the specific requirements on the layout.

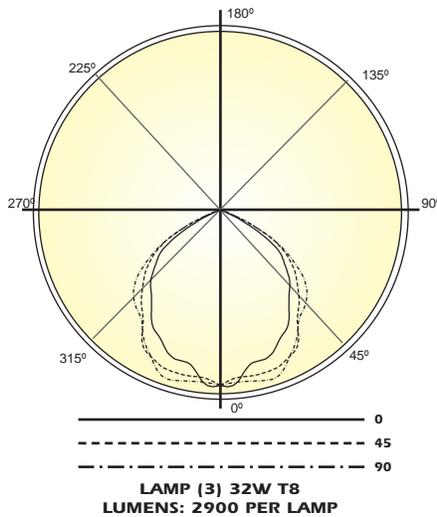


For any pattern, a layout must accompany the order.

INSTALLATION PREPARATION



PHOTOMETRY



**Candela Distribution:**

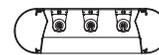
Vert. Angle	0	22.5	45	67.5	90
0	2239	2239	2239	2239	2239
5	2228	2109	2153	2108	2207
10	2026	2072	2156	2131	2218
15	1988	2047	2153	2150	2252
20	1942	2026	2139	2156	2234
25	1801	1909	2071	2129	2078
30	1719	1872	1984	1929	1938
35	1531	1698	1715	1778	1742
40	1369	1528	1566	1599	1654
45	1251	1370	1400	1471	1561
50	1067	1211	1253	1371	1411
55	912	1008	1069	1115	1149
60	582	723	815	852	835
65	234	344	473	461	432
70	79.3	122	193	183	127
75	73.1	78.3	91.1	62.2	21.9
80	77.0	76.4	58.3	37.4	9.56
85	75.1	59.0	41.3	18.5	2.22
90	65.2	51.3	30.7	7.61	0.780

**Optical Distribution:**  
100% Direct

**Coefficients of Utilization - Zonal Cavity Method:**

pfc = 0.20

	.8	.7	.5	.3	.1	0
0	73.73	73.73	71.71	71.71	68.68	68.68
1	68.65	63.61	66.64	62.60	61.60	58.58
2	62.58	54.51	61.57	53.51	55.52	49.53
3	57.51	47.43	56.50	46.43	49.45	42.47
4	53.46	41.37	51.45	40.37	44.40	36.42
5	49.41	36.32	47.41	36.32	39.35	32.38
6	45.37	32.28	44.37	32.28	35.31	28.34
7	42.34	29.25	41.33	28.25	32.28	25.31
8	39.31	26.22	38.30	26.22	30.25	22.29
9	36.28	23.20	35.28	23.20	27.23	20.27
10	34.26	21.18	33.26	21.18	25.21	18.24



**Total Luminaire Optical Efficiency = 61.9%**