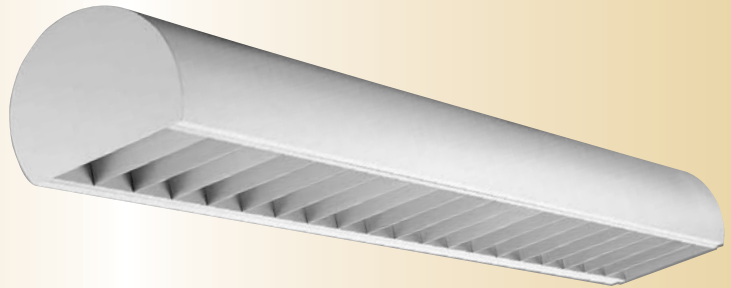
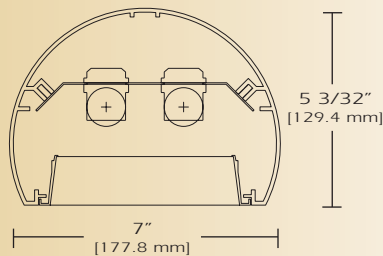


Rounds

AD-RO7-D



TYPE _____

FEATURES

The AD RO7 D series is a 7" round extruded aluminum luminaire with a round clear ribbed acrylic lens, round radial baffle or flush parabolic louver. The series can be suspended or wall mounted. These AD RO 7 D can be mounted individually, in perfectly aligned continuous rows, or in any combination of patterns. The AD RO 7 D is an excellent tool for general direct illumination as well as highlighting within the space.

SPECIFICATIONS

Housing: One piece heavy gauge extruded aluminum 6063T5 alloy welded construction forming a seven-inch round diameter profile. Finished end caps are welded 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 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 one or two 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
AD-RO7	D							
AD-RO7	D=Direct	ARL= Acrylic Ribbed Lens RAB= Radial Aluminum Baffle PBL= Parabolic Louver (Flush)	132T8 232T8 154T5 HO 254T5 HO	AC= Cable PD= Pendant WM= Wall Mount	4= 4 ft 8= 8 ft for other, please enter row length (eg. 48=48ft)	W= White CC= Custom Color	120v 277v	See Options Below

Example: **AD-RO7-D-ARL-232T8-AC-4-W-120V**

Example: AD-RO7 direct with acrylic ribbed lens for two 32 watt T8 lamps including two 48inch aircraft cables and power feed four foot fixture finished in baked white enamel 120v electronic ballast less than 20% total harmonic distortion.

OPTIONS

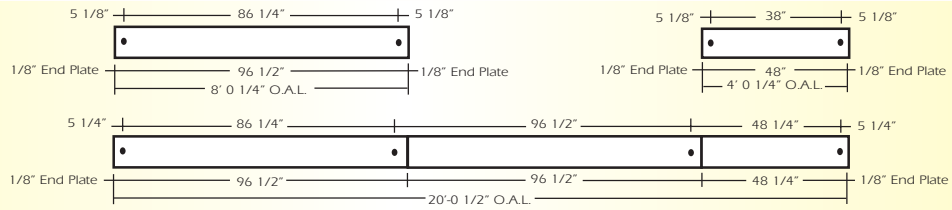
E10=	Electronic ballast, high power factor, thermally protected class P, sound rated A, < 10% total harmonic distortion
DIM=	Dimming Ballast
EPC=	Emergency Battery Pack
EMC=	Emergency Circuit
TCW=	Two Circuit Wiring
TDW=	Tandem Wiring
OTH=	See Accessories for other options available

Rounds

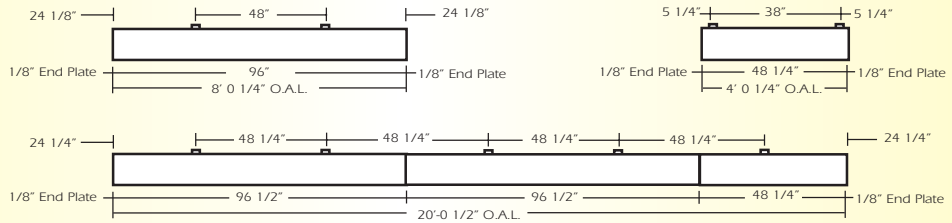
AD-RO7-D

LINEAR SECTIONS AND SUSPENSION LOCATION

SUSPENSION MOUNTING

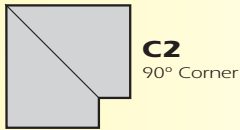


WALL MOUNTING

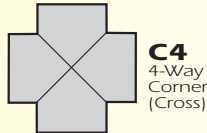


CORNERS

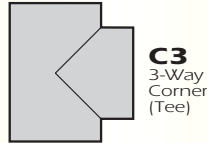
Corners and fixture extensions are custom fabricated to precise dimensions. Please indicate the specific requirements on the layout



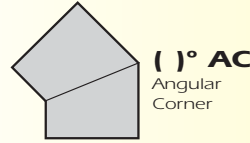
C2
90° Corner



C4
4-Way Corner (Cross)



C3
3-Way Corner (Tee)

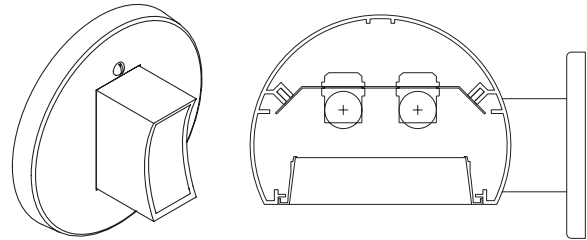
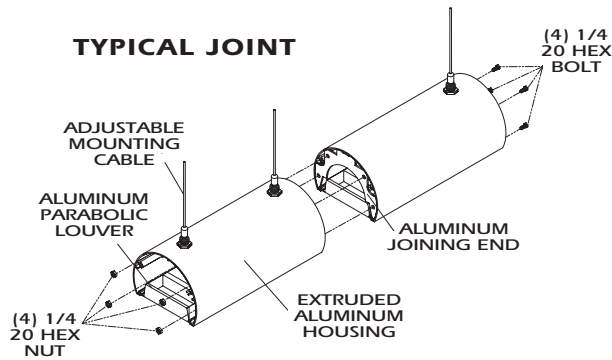


()° AC
Angular Corner

For any angular corner, ()° must be specified and dimensions must be included on the layout
For any pattern, a layout must accompany the order.

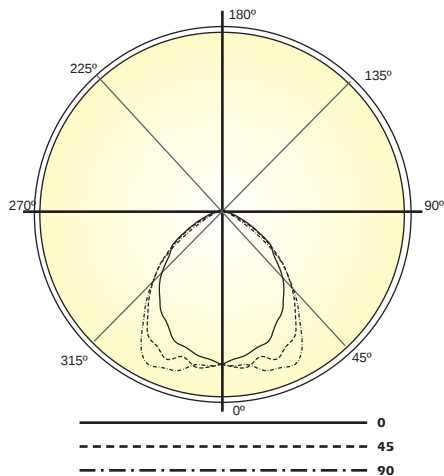
INSTALLATION PREPARATION

TYPICAL JOINT



WALL BRACKET

PHOTOMETRY



LAMP (2) 32W T8
LUMENS: 2900 PER LAMP

Candela Distribution:

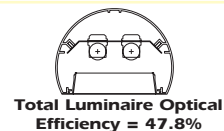
Vert. Angle	0	22.5	45	67.5	90
0	1199	1199	1199	1199	1199
5	1161	1200	1226	1255	1216
10	1139	1176	1232	1265	1223
15	1100	1159	1178	1300	1293
20	1079	1122	1236	1277	1307
25	986	1067	1175	1282	1330
30	928	1024	1138	1184	1252
35	837	926	1004	1071	1065
40	749	827	876	909	909
45	638	717	738	744	743
50	523	613	594	601	585
55	461	476	444	391	371
60	322	357	292	212	193
65	208	225	152	101	102
70	120	113	66.9	57.8	73.5
75	57.0	44.6	28.9	29.6	29.0
80	14.7	16.3	15.2	11.0	10.1
85	4.64	6.68	5.85	4.50	4.91
90	0.820	0.880	0.590	0.650	0.220

Optical Distribution:
100% Direct

Coefficients of Utilization - Zonal Cavity Method:

pfc = 0.20

	.8	.7	.5	.3	.1	0
pcc	.7	.5	.3	.1	.5	.3
pw	.7	.5	.3	.1	.5	.3
RCR	.7	.5	.3	.1	.5	.3
0	56	56	56	56	53	53
1	53	51	49	48	51	50
2	49	45	43	40	47	45
3	45	41	37	35	44	40
4	41	36	33	30	40	36
5	38	33	29	26	37	32
6	36	30	26	23	35	29
7	33	27	23	21	32	27
8	31	25	21	19	30	25
9	29	23	19	17	28	23
10	27	21	18	15	26	21



Total Luminaire Optical Efficiency = 47.8%