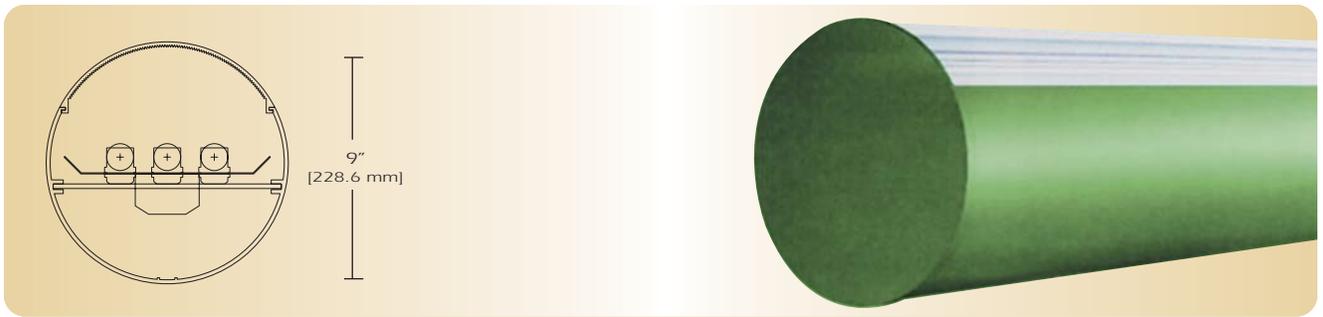


Rounds

AD-RO9-I



TYPE _____

FEATURES

The AD RO9 I series is an indirect version of the family of 9" round extruded aluminum luminaires. The series is furnished with a round clear linear lens to provide a widespread indirect distribution. The series can be suspended, wall mounted and mounted from wall to wall. These luminaires can be mounted individually, in perfectly aligned continuous rows, or in any combination of patterns. The AD RO9 I provides a highly decorative element and produces effective indirect illumination.

SPECIFICATIONS

- Housing:** One piece heavy gauge extruded aluminum 6063T5 alloy welded construction forming a nine-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:** Standard lens is extruded acrylic with linear ribs (ARL) for efficient light distribution.
- 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, two or three 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-RO9	I							
AD-RO9	I=Indirect	ARL=Acrylic Ribbed Lens	132T8 232T8 332T8 154T5 HO 254T5 HO 354T5 HO O=Other Specify	AC= Cable PD= Pendant WM= Wall Mounted WW= Wall To Wall See Accessories	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-RO9-I-ARL-232T8-AC-4-W-120V**
 Example: AD-RO9 indirect with acrylic ribbed linear 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

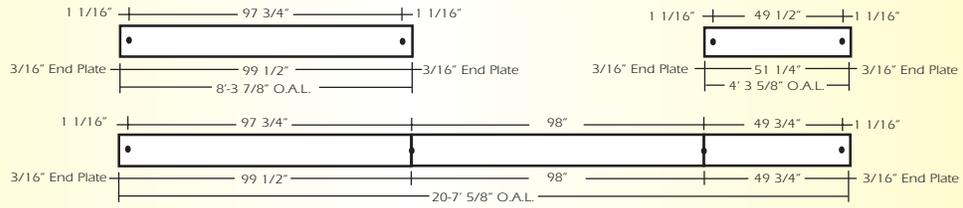
- E10=** Electronic ballast, high power factor, thermally protected class P, sound rated A, < 10% total harmonic distortion
- DIM=** Dimming Ballast
- EPC=** Emergency Battery Pack
- EMC=** Emergency Circuit
- TCW=** Two Circuit Wiring
- TDW=** Tandem Wiring
- OTH=** See Accessories for other options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

Rounds

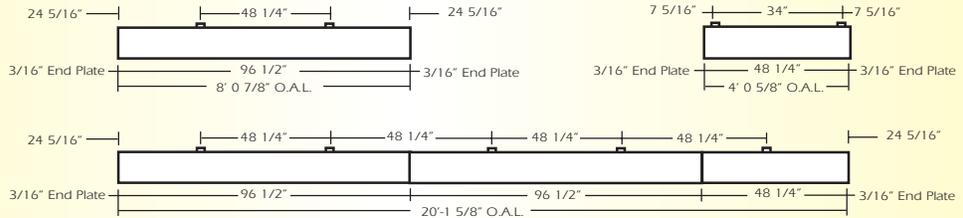
AD-RO9-1

LINEAR SECTIONS AND SUSPENSION LOCATION

SUSPENSION MOUNTING

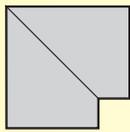


WALL MOUNTING

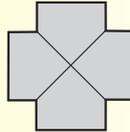


CORNERS

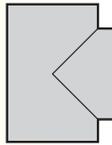
Corners and fixture extensions are custom fabricated to precise dimensions. Please indicate the specific requirements on the layout



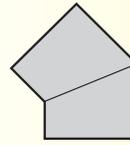
C2
90° Corner



C4
4-Way Corner (Cross)



C3
3-Way Corner (Tee)

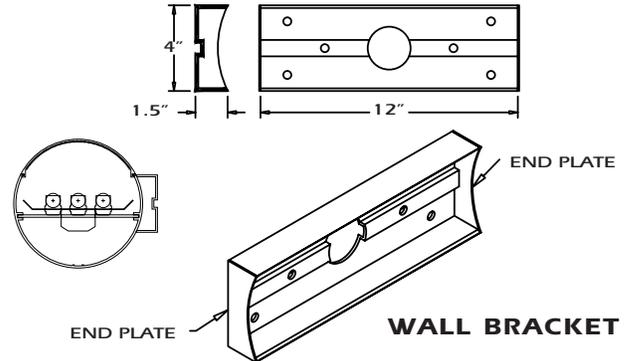
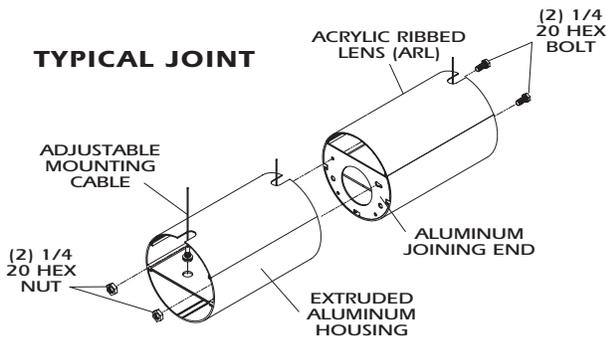


()° AC
Angular Corner

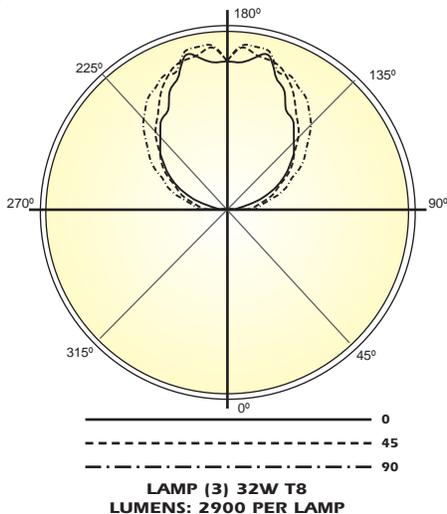
For any angular corner, ()° must be specified and dimensions must be included on the layout
For any pattern, a layout must accompany the order.

INSTALLATION PREPARATION

TYPICAL JOINT



PHOTOMETRY



Candela Distribution:

Vert. Angle	0	22.5	45	67.5	90
90	18.2	115	207	230	249
95	57.9	155	248	284	300
100	142	240	306	354	353
105	266	325	392	444	466
110	386	431	477	527	581
115	509	520	542	635	658
120	616	627	654	731	796
125	719	716	754	846	897
130	819	827	824	995	996
135	886	911	949	1082	1117
140	978	1002	1041	1206	1204
145	1059	1080	1132	1256	1295
150	1097	1151	1256	1321	1336
155	1254	1281	1353	1385	1397
160	1330	1380	1439	1442	1385
165	1509	1438	1468	1444	1539
170	1454	1468	1491	1476	1559
175	1396	1532	1534	1461	1554
180	1405	1405	1405	1405	1405

Optical Distribution:
100% Indirect

Coefficients of Utilization - Zonal Cavity Method:

pfc = 0.20

	.8	.7	.5	.3	.1	0												
pcc	.8	.7	.5	.3	.1	0												
pw	.7	.5	.3	.1	.5	.3	.1	0										
RCR	0	50	50	50	42	42	42	29	29	29	16	16	16	5	5	5	0	
1	45	43	41	39	38	37	35	34	25	24	23	14	14	13	4	4	4	0
2	41	37	34	32	35	32	30	28	22	20	19	12	12	11	4	3	3	0
3	37	33	29	26	32	28	25	23	19	17	16	11	10	9	3	3	3	0
4	34	29	25	22	29	25	22	19	17	15	13	9	8	8	3	2	2	0
5	31	25	22	19	26	22	19	16	15	13	11	8	7	6	2	2	2	0
6	28	23	19	16	24	19	16	14	13	11	10	7	6	5	2	1	1	0
7	26	20	16	14	22	17	14	12	12	10	8	7	6	5	2	1	1	0
8	24	18	14	12	20	15	12	10	11	9	7	6	5	4	2	1	1	0
9	22	16	13	10	19	14	11	9	10	8	6	5	4	3	1	1	1	0
10	21	15	11	9	17	13	10	8	9	7	5	4	3	1	1	1	1	0



Total Luminaire Optical Efficiency = 53.1%