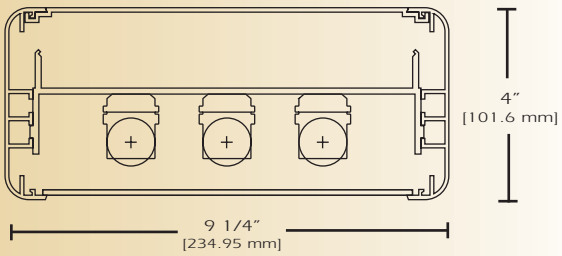
Job Name: Type:

Squares AD-SS9-D



TYPE _____

FEATURES

The AD-SS9 soft square series is an extruded aluminum luminaire available with a clear prismatic acrylic lens. The luminaires can be mounted individually, in rows or in any of combination of patterns. The luminaires in this series provide low glare and widespread illumination. The simplicity of the AD-SS9 series is the solution for open spaces while providing maximum design versatility to meet the perceived source of illumination for a specific environment.

SPECIFICATIONS

Housing: Three piece heavy gauge extruded aluminum 6063T5 alloy welded construction forming a 4" x 9 1/4" soft square 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 injection molded Prismatic Acrylic (PRS). Nominal thickness .125

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-SS9	**D**= Direct	**PRS**= Prismatic Acrylic Lens **SCB**= Steel Cross Baffle **WOA**= White Opal Acrylic	**132 T8** **232 T8** **332 T8** **154T5 HO** **254T5 HO** **354T5 HO** **O**=Other Specify	**AC**= Cable **PD**= Pendant **S**=Surface See Accessories	**4**= ft **8**= ft for other, please enter row length (eg. 48=48ft)	**W**= White **CC**= Custom Color	**120v** **277v**	**See Options Below**

Example: **AD-SS9-D-PRS-232T8-AC-4-W-120V**

AD-SS9 direct with prismatic acrylic lens 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

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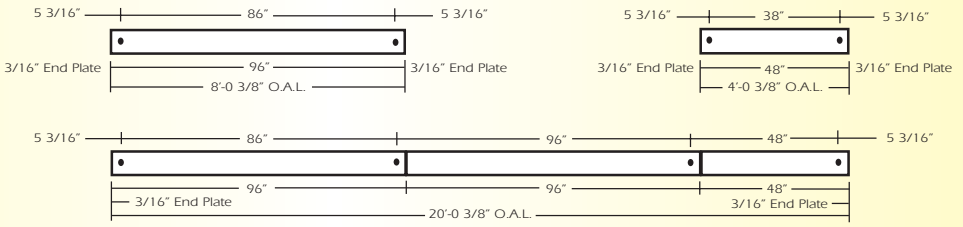
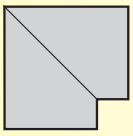
LINEAR SECTIONS AND SUSPENSION LOCATION

SUSPENSION MOUNTING

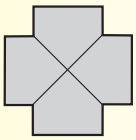


CORNERS

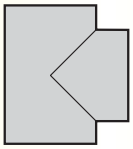
Corners and fixture extensions are custom fabricated to precise dimensions. Please indicate the specific requirements on the layout



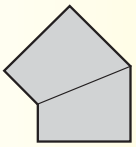
C2
90° Corner



C4
4-Way Corner (Cross)



C3
3-Way Corner (Tee)

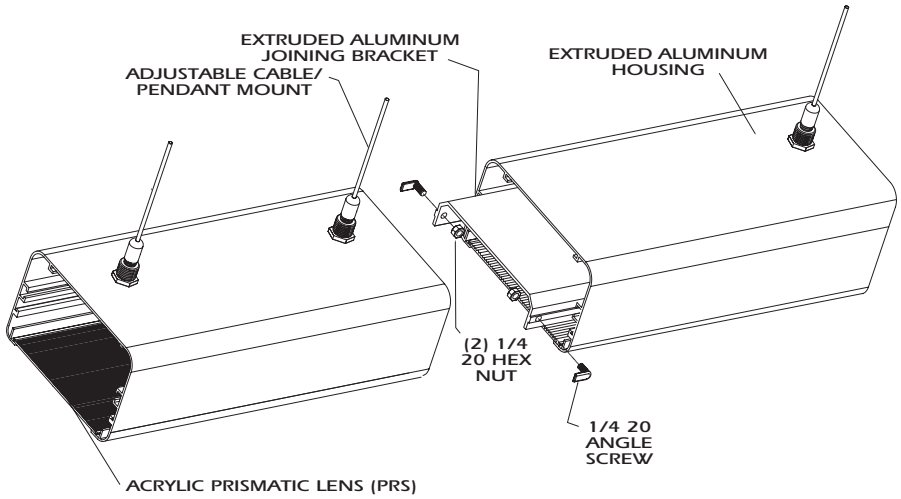


( )° AC
Angular Corner

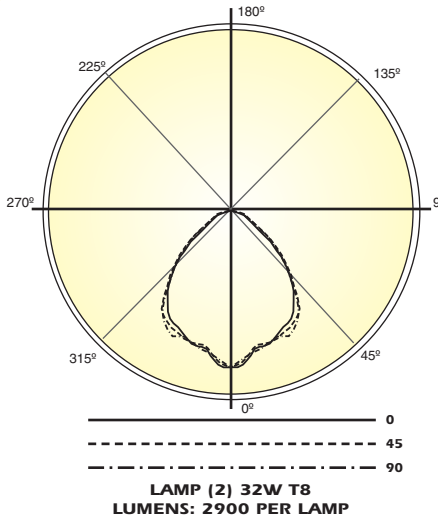
For any angular corner, ( )° must be specified and dimensions must be included on the layout

For any pattern, a layout must accompany the order.

INSTALLATION PREPARATION



PHOTOMETRY



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

Candela Distribution:

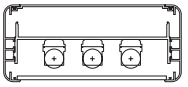
Vert. Angle	0	22.5	45	67.5	90
0	2504	2504	2504	2504	2504
5	2463	2307	2399	2275	2369
10	2241	2276	2197	2201	2283
15	2229	2192	2206	2196	2218
20	2137	2098	2163	2176	2153
25	2038	2096	2117	2159	2207
30	1974	1994	2038	2062	2100
35	1783	1819	1898	1893	1893
40	1547	1584	1579	1577	1507
45	1285	1287	1264	1249	1236
50	976	944	931	901	906
55	705	680	661	641	635
60	454	459	435	443	430
65	335	332	316	315	313
70	234	234	236	232	245
75	177	173	169	168	173
80	102	103	97	99	100
85	34	32	30	28	28
90	4	4	3	3	4

Optical Distribution:
100% Direct

Coefficients of Utilization - Zonal Cavity Method:

pfc = 0.20

pcc	.8				.7				.5			.3			.1		0
pw	.7	.5	.3	.1	.7	.5	.3	.1	.5	.3	.1	.5	.3	.1	.5	.3	.1	0
RCR																		
0	70	70	70	70	68	68	68	68	65	65	65	62	62	62	60	60	60	59
1	65	63	61	59	63	61	59	58	59	57	56	57	55	54	52	52	52	51
2	60	56	52	50	59	55	52	49	53	50	48	51	49	47	45	45	45	45
3	55	50	46	43	54	49	45	42	47	44	41	46	43	41	39	39	39	39
4	51	45	40	37	50	44	40	37	43	39	36	42	38	36	34	34	34	34
5	47	41	36	32	46	40	36	32	39	35	32	38	34	32	30	30	30	30
6	44	37	32	29	43	36	32	29	35	31	28	35	31	28	27	27	27	27
7	41	34	29	26	40	33	29	26	33	28	26	32	28	25	24	24	24	24
8	38	31	26	23	38	31	26	23	30	26	23	29	26	23	22	22	22	22
9	36	29	24	21	35	28	24	21	28	24	21	27	23	21	20	20	20	20
10	34	27	22	19	33	26	22	19	26	22	19	25	22	19	18	18	18	18



Total Luminaire Optical Efficiency = 58.3%

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