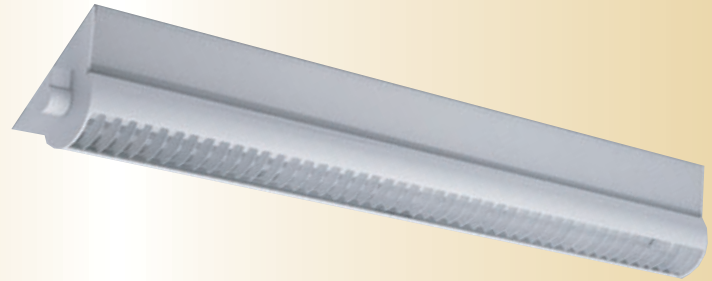
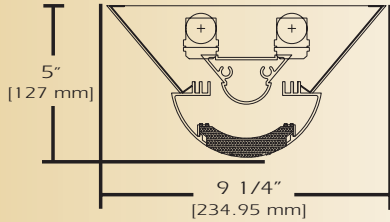


# Special Profiles

AD-VEC-59-DI



**TYPE** \_\_\_\_\_

**FEATURES**

The AD VEC 59 DI is the suspended mounted variation of this complete family of luminaires. A smooth laser cut welded end finishes the graceful contour of the extruded aluminum wing. The lower extruded housing can be provided with a perforated radial baffle or a parabolic louver for a useful direct component, which provides glare control and visual contrast. The winged basket is perforated with 41% opening and with a white translucent overlay that provides a diffuse component. The computer designed optical system creates a wide asymmetric glare-free indirect component. These fixtures can be mounted individually, in continuous rows or patterns and features a reveal between the modules in continuous rows.

**SPECIFICATIONS**

**Housing:** Two piece heavy gauge extruded aluminum 6063T5 alloy welded construction forming a 5" x 9 1/4" vector profile. Decorative die cast aluminum hanger assemblies are provided for mounting and joining individual fixtures into rows. Standard sides are perforated 20 gauge cold rolled steel 41% opening with white acrylic .020 translucent overlay. Standard lengths are up to 8'.

**Reflector:** Die formed 20-gauge cold rolled steel minimum 90% reflectivity finished in high gloss baked white enamel.

**Shielding:** Perforated radial baffle, also available with a parabolic semi specular low iridescent aluminum louver and as a direct/indirect fixture with solid bottom.

**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 cable assembly 48" x 3/32" in diameter with 5" canopy. One 16/4 SJT straight 54" cord is provided per 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 or three 32 watt T8 lamp or 54 watt T5 HO lamp. (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	NO. OF LAMPS	LAMPS	MOUNTING	LENGTH	FINISH	VOLTAGE	OPTIONS
AD VEC 59	DI								
AD VEC 59	DI=Direct I=Indirect	PRB=Perforated radial baffle PBL=Parabolic Louver SOL=Solid bottom	2= Two 3= Three	17T8 25T8 32T8 14T5 21T5 28T5 24T5 HO 39T5 HO 54T5 HO O=Other Specify	AC= Cable PD= Pendant See Accessories	2= ft 3= ft 4= ft for other, please enter row length (eg. 48=48ft)	W= White CC= Custom Color	120v 277v	See Options Below

Example: **AD-VEC-59-DI-PRB-232T8-AC-4'-W-120V**

AD-VEC-59 direct indirect with perforated sides and perforated radial baffle for two 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**

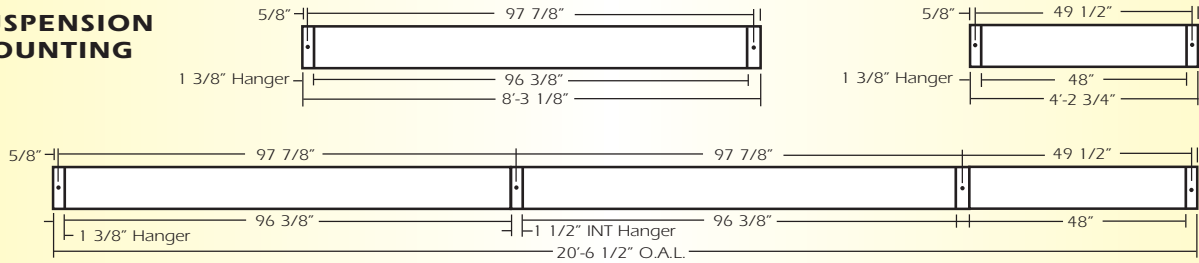
- E10=** Electronic ballast, high power factor, thermally protected class P, sound rated A, < 10% total harmonic distortion
- DIM=** Dimming Ballast
- EPC=** Emergency Battery Pack
- EMC=** Emergency Circuit
- TCW=** Two Circuit Wiring
- TDW=** Tandem Wiring
- OTH=** See Accessories for other options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

# Special Profiles

AD-VEC-59-DI

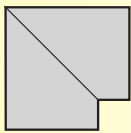
LINEAR SECTIONS AND SUSPENSION LOCATION

## SUSPENSION MOUNTING

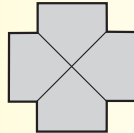


## CORNERS

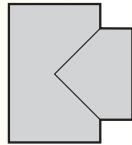
Corners and fixture extensions are custom fabricated to precise dimensions. Please indicate the specific requirements on the layout



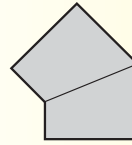
**C2**  
90° Corner



**C4**  
4-Way Corner (Cross)



**C3**  
3-Way Corner (Tee)



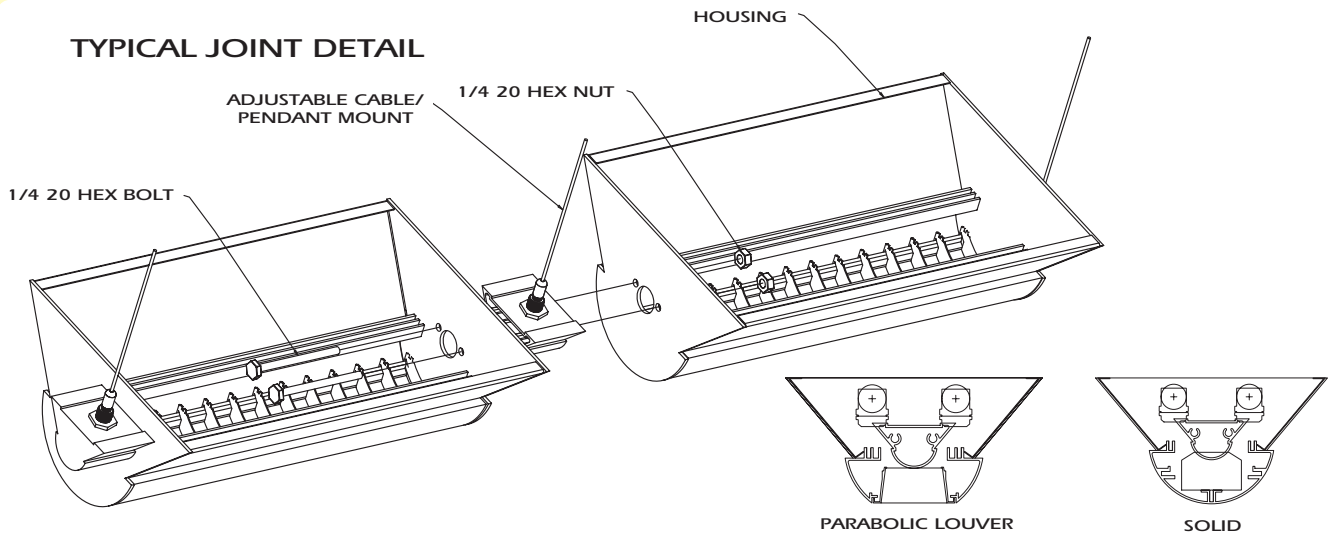
**( )° AC**  
Angular Corner

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

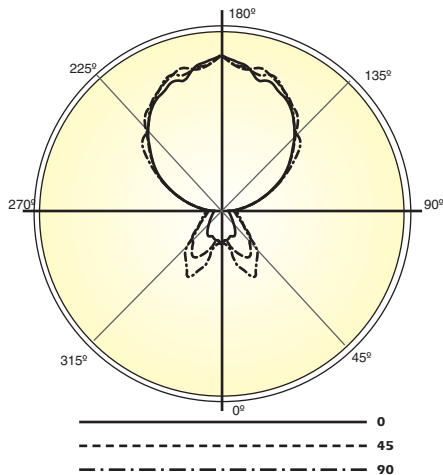
For any pattern, a layout must accompany the order.

INSTALLATION PREPARATION

## TYPICAL JOINT DETAIL



PHOTOMETRY



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

## Candela Distribution:

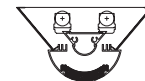
Vert. Angle	0	22.5	45	67.5	90
0	225	225	225	225	225
10	208	195	218	259	232
20	185	196	304	408	431
30	168	228	373	439	472
40	139	214	301	353	389
50	116	176	236	216	210
60	81.4	112	137	158	169
70	67.4	72.8	107	135	142
80	52.6	63.9	90.3	117	122
90	45.6	64.4	83.4	96.9	103
100	151	166	146	173	170
110	328	336	329	327	339
120	507	508	530	532	538
130	653	697	654	680	724
140	785	827	841	780	796
150	917	930	939	965	929
160	977	1002	1012	1049	1030
170	1039	1006	1020	1079	1032
180	1099	1099	1099	1099	1099

Optical Distribution:  
75% Indirect: 25% Direct

## 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	.7 .5 .3 .1	.5 .3 .1	.5 .3 .1	.5 .3 .1	0
RCR						
0	76 76 76 76	68 68 68 68	52 52 52	38 38 38	25 25 25	18
1	69 66 62 60	61 58 56 53	45 43 41	32 31 30	21 20 20	14
2	62 57 52 48	55 51 47 43	39 36 34	28 26 25	18 17 16	12
3	57 50 44 40	50 44 40 36	34 31 28	25 22 21	16 14 13	10
4	52 44 38 33	46 39 34 30	30 26 24	22 19 17	14 13 11	8
5	47 39 33 28	42 35 29 26	27 23 20	19 17 15	12 11 10	7
6	43 35 29 24	38 31 26 22	24 20 17	17 15 13	11 10 8	6
7	40 31 25 21	35 28 23 19	21 18 15	16 13 11	10 9 7	5
8	37 28 22 18	33 25 20 17	19 16 13	14 12 10	9 8 6	4
9	34 25 20 16	30 23 18 14	18 14 12	13 10 9	8 7 6	4
10	32 23 18 14	28 21 16 13	16 13 10	12 9 8	8 6 5	3



Total Luminaire Optical Efficiency = 75.8%