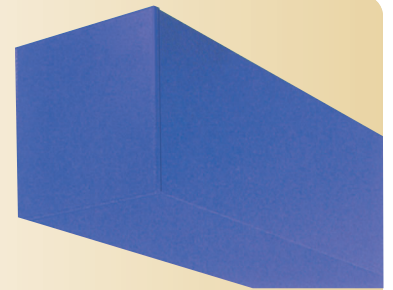
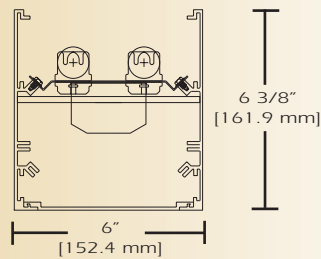


# Squares

AD-66-I



TYPE \_\_\_\_\_

## FEATURES

The AD 66 architectural linear series are extraordinarily efficient aluminum luminaires. The AD 66 I is designed with indirect distribution for suspended mounting. This series can be mounted individually, in perfectly aligned continuous rows, or in any combination of patterns. The AD 66 series is an ideal solution for open spaces and provides maximum design versatility.

## SPECIFICATIONS

**Housing:** One piece heavy gauge extruded aluminum 6063T5 alloy welded construction forming a 6" x 6 3/8" 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.

**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 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   | NO. OF LAMPS | LAMPS                                                                               | MOUNTING                 | LENGTH                                                                                                       | FINISH                          | VOLTAGE      | OPTIONS                 |
|-----------|-------------|--------------|-------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------|--------------|-------------------------|
| AD66      | I           | 1=1<br>2=2   | 17 T8 (2')<br>25 T8 (3')<br>32 T8 (4')<br>40 T8 (5')<br>28 T5 (4')<br>54 T5 HO (4') | AC= Cable<br>PD= Pendant | 2= ft<br>3= ft<br>4= ft<br>5= ft<br>6= ft<br>8= ft<br>for other, please<br>enter row length<br>(eg. 48=48ft) | W= White<br>CC= Custom<br>Color | 120v<br>277v | See<br>Options<br>Below |
| AD66      | I= Indirect |              | O=Other<br>Specify                                                                  | See<br>Accessories       |                                                                                                              |                                 |              |                         |

Example: **AD-66-I-232T8-AC-4-W-120V**

AD-66 indirect 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

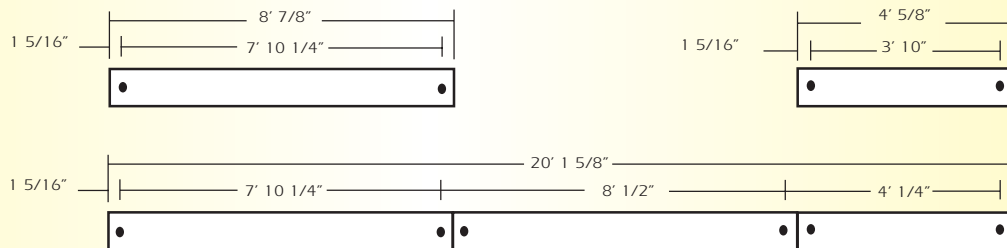
|             |                                                                                                                    |
|-------------|--------------------------------------------------------------------------------------------------------------------|
| <b>E10=</b> | Electronic ballast,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

# Squares

AD-66-I

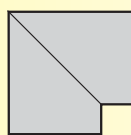
## LINEAR SECTIONS AND SUSPENSION LOCATION

### SUSPENSION MOUNTING

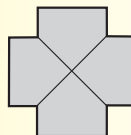


### CORNERS

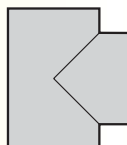
Corners and fixture extensions are custom fabricated to precise dimensions. Please indicate the specific requirements on the layout



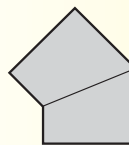
**C2**  
90° Corner



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



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

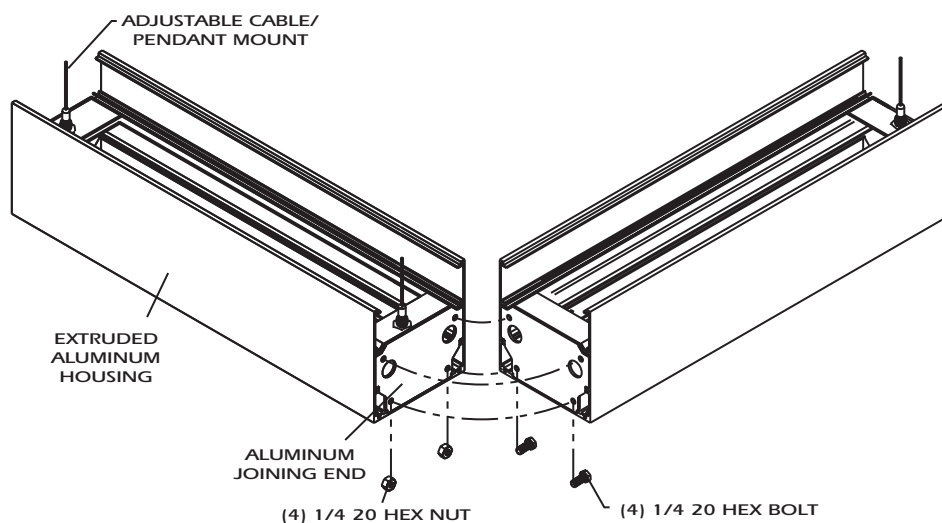


**( )° AC**  
Angular Corner

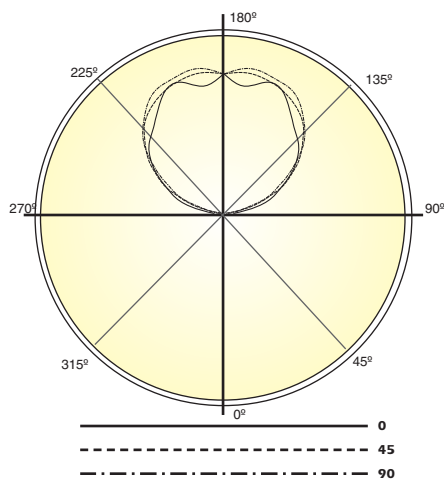
For any angular corner, ( )° must be specified and dimensions must be included on the layout

For any pattern, a layout must accompany the order.

## INSTALLATION PREPARATION



## PHOTOMETRY



### Candela Distribution:

| Vert. Angle | 0    | 22.5 | 45   | 67.5 | 90   |
|-------------|------|------|------|------|------|
| 90          | 8.99 | 10.0 | 11.9 | 16.1 | 13.6 |
| 95          | 63.5 | 59.5 | 48.4 | 63.8 | 74.4 |
| 100         | 164  | 195  | 147  | 139  | 128  |
| 105         | 289  | 332  | 320  | 285  | 262  |
| 110         | 412  | 470  | 452  | 460  | 463  |
| 115         | 521  | 597  | 596  | 641  | 630  |
| 120         | 628  | 709  | 743  | 772  | 787  |
| 125         | 717  | 823  | 877  | 904  | 904  |
| 130         | 849  | 933  | 987  | 1013 | 1030 |
| 135         | 907  | 972  | 1099 | 1137 | 1139 |
| 140         | 1001 | 1087 | 1208 | 1226 | 1249 |
| 145         | 1099 | 1207 | 1235 | 1358 | 1343 |
| 150         | 1176 | 1267 | 1397 | 1400 | 1454 |
| 155         | 1247 | 1333 | 1375 | 1447 | 1474 |
| 160         | 1325 | 1315 | 1362 | 1460 | 1447 |
| 165         | 1311 | 1352 | 1354 | 1425 | 1384 |
| 170         | 1291 | 1326 | 1351 | 1347 | 1363 |
| 175         | 1357 | 1370 | 1375 | 1407 | 1340 |
| 180         | 1400 | 1400 | 1400 | 1400 | 1400 |

Optical Distribution:  
100% Indirect

### Coefficients of Utilization - Zonal Cavity Method:

pfc = 0.20

|     |    |    |    |    |    |    |
|-----|----|----|----|----|----|----|
| pcc | .8 | .7 | .5 | .3 | .1 | 0  |
| pw  | .7 | .5 | .3 | .1 | .5 | .3 |
| RCR | .1 | .7 | .5 | .3 | .1 | .5 |
| 0   | 74 | 74 | 74 | 74 | 63 | 63 |
| 1   | 67 | 64 | 61 | 59 | 57 | 55 |
| 2   | 61 | 56 | 51 | 48 | 52 | 48 |
| 3   | 55 | 49 | 43 | 39 | 47 | 42 |
| 4   | 50 | 43 | 37 | 33 | 43 | 37 |
| 5   | 46 | 38 | 32 | 28 | 39 | 32 |
| 6   | 42 | 34 | 28 | 24 | 36 | 29 |
| 7   | 39 | 30 | 24 | 20 | 33 | 26 |
| 8   | 36 | 27 | 21 | 18 | 30 | 23 |
| 9   | 33 | 24 | 19 | 15 | 28 | 21 |
| 10  | 31 | 22 | 17 | 13 | 26 | 19 |



Total Luminaire Optical  
Efficiency = 77.9%