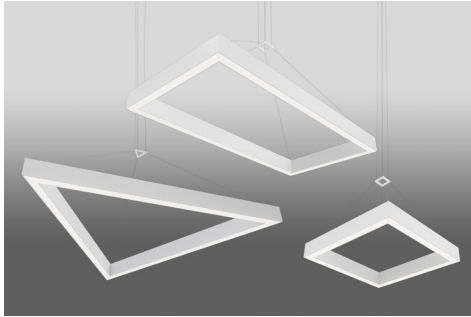
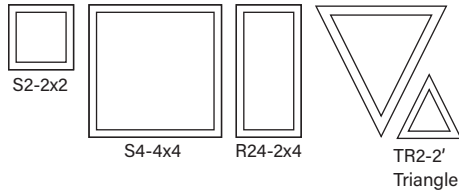


# EDGE FORMS

## EX1DF

### 1" Suspended Direct Form

#### Form Sizes



#### Key Features

- Minimalist geometric pendants that emphasize negative space while providing striking, functional illumination
- Single piece housing, available in 2x2, 2x4, 4x4 and triangular forms
- Co-extruded narrow 1.5" lens provides smooth uniform lines of light
- Integral driver
- Family offering available in suspended and recessed applications
- Product transparency with third-party verified Living Building Challenge (LBC) Declared



Example Part #: EX1DF-HE-N-835HO-S2-AS48JB-U-FSD-1-0-W

EX1DF - **DIRECT SHIELDING** - **N** - **INDIRECT SHIELDING** - **CRI, CCT & OUTPUT** - **FORM** - **MOUNTING** - **VOLTAGE** - **DRIVER** - **CIRCUITING** - **BATTERY & EMERGENCY** - **FINISH**

| ---                                                                                                                                                                                                                                             | N                                                                                                                                                                             | -----                                                                                                                                                                                                                                                                                                                                       | -----                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DIRECT SHIELDING                                                                                                                                                                                                                                | INDIRECT SHIELDING                                                                                                                                                            | SOURCE <sup>1</sup>                                                                                                                                                                                                                                                                                                                         | FORM                                                                                                                                                                                          |
| <b>A</b> - Satine Lens<br><b>HE</b> - High Efficiency Lens<br><i>Shielding pg. 2</i>                                                                                                                                                            | <b>N</b> - None<br><i>Shielding pg. 2</i>                                                                                                                                     | <b>_27_</b> - 2700K<br><b>_30_</b> - 3000K<br><b>_35_</b> - 3500K<br><b>_40_</b> - 4000K<br><b>CL</b> - Custom Lumens<br><b>CW</b> - Custom Watts<br><i>Lumen Output pg. 2-3</i>                                                                                                                                                            | <b>S2</b> - 2' x 2' Square<br><b>S4</b> - 4' x 4' Square<br><b>R24</b> - 2' x 4' Rectangle<br><b>TR2</b> - Triangle with 2' sides<br><b>TR4</b> - Triangle with 4' sides<br><i>Form pg. 3</i> |
| -----                                                                                                                                                                                                                                           | ---                                                                                                                                                                           | ---                                                                                                                                                                                                                                                                                                                                         | ---                                                                                                                                                                                           |
| MOUNTING <sup>2</sup>                                                                                                                                                                                                                           | VOLTAGE                                                                                                                                                                       | DRIVER                                                                                                                                                                                                                                                                                                                                      | CIRCUITING                                                                                                                                                                                    |
| <b>AS_ _JB</b> - AC to J Box<br><b>AS_ _ST</b> - AC to Structure<br><b>AH_ _JB</b> - AC single canopy hub to J Box<br><b>AH_ _ST</b> - AC single canopy hub to Structure<br><i>Mounting pg. 4</i>                                               | <b>U</b> - Universal (120 thru 277V)<br><b>1</b> - 120V<br><b>2</b> - 277V<br><b>3</b> - 347V<br><i>Voltage pg. 4</i>                                                         | <b>FSD</b> - Factory Select Driver (1%, 0-10v)<br><b>PL2</b> - Advance Xitanium (1%, 0-10v)<br><b>OL2</b> - eldoLED (1%, 0-10v)<br><b>OL4</b> - eldoLED 347v (1%, 0-10v)<br><b>EE1</b> - eldoLED ECOdrive (1%, 0-10v)<br><b>ES1</b> - eldoLED SOLOdrive (0.1%, 0-10v)<br><b>LH1</b> - Lutron Hi-lume (1%, EcoSystem)<br><i>Driver pg. 4</i> | <b>1</b> - Single Circuit<br><b>E</b> - Emergency (entire fixture)<br><b>N</b> - Night Light (entire fixture)<br><i>Circuiting pg. 5</i>                                                      |
| -----                                                                                                                                                                                                                                           | ---                                                                                                                                                                           | ---                                                                                                                                                                                                                                                                                                                                         | ---                                                                                                                                                                                           |
| BATTERY & EMERGENCY <sup>3</sup>                                                                                                                                                                                                                | FINISH                                                                                                                                                                        | FIXTURE OPTIONS <sup>4</sup>                                                                                                                                                                                                                                                                                                                | CONTROLS                                                                                                                                                                                      |
| <b>0</b> - None<br><b>1FSB</b> - Factory Select Battery<br><b>1FSG</b> - Factory Select ALCR<br><b>1GI</b> - Iota ETS DR<br><b>1GB</b> - Bodine GTD<br><b>1PLL</b> - Bodine 10W<br><b>1ILL</b> - Iota 10W<br><i>Battery and Emergency pg. 5</i> | <b>W</b> - White<br><b>S</b> - Metallic Silver<br><b>BL</b> - Textured Black<br><b>BR</b> - Bronze<br><b>GR</b> - Graphite<br><b>CC</b> - Custom Color<br><i>Finish pg. 5</i> | <b>BA</b> - Buy America(n) Act and/or Build America Buy America Compliant<br><i>Fixture Options pg. 5</i>                                                                                                                                                                                                                                   | <i>Pinnacle is able to accommodate different control solutions from different manufacturers. Consult factory for more information.</i>                                                        |

<sup>1</sup>When specifying CRI, CCT & OUTPUT the first \_ is for specifying either **8** - 80CRI or **9** - 90CRI. The ending \_ \_ are for specifying output, example **HO** - High Output. See output charts for more information. <sup>2</sup>Specify AC length standard AC is 48" Example: AS48JB. <sup>3</sup>Maximum one battery/emergency device per form. Not available in S2 or TR2 <sup>4</sup>Compliance is configuration dependent; consult factory for confirmation.

Specifications and dimensions subject to change without notice. Specification sheets that appear on pinnacle-ltg.com are the most recent version and supersede all other previously printed or electronic versions.

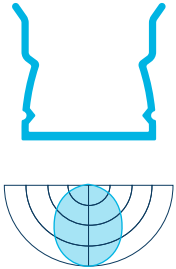


## Shielding

### DIRECT

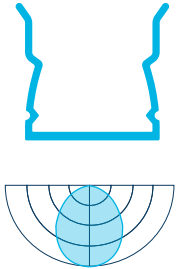
#### A

Satine Lens



#### HE

High Efficiency Lens  
~20-25% Higher LPW than Satine



### INDIRECT

#### N

None

## Source

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory
- 90 CRI = R9≥50
- Total delivered lumens per form shown on table below.  
Lumens per foot; LO - 250lms/ft, MO - 500lms/ft, HO - 750lms/ft and VHO - 1000lms/ft

## Custom Output - Lumens OR Wattage

|                 |                                                     |                                                                                                        |
|-----------------|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>CL</b> _____ | Specify CRI, CCT and desired lumens (i.e. CL835600) | Specify lumens as PER FOOT between standard offering listed below. Lumens are specified per color temp |
| <b>CW</b> _____ | Specify CRI, CCT and desired wattage (i.e. CW9407)  | Specify watts as PER FOOT between standard offering listed below.                                      |

## Direct 80 CRI Square and Rectangle Forms

|               | Color | Output          |     |       |         |     |       |                 |     |       |         |     |       |                     |     |       |         |     |       |
|---------------|-------|-----------------|-----|-------|---------|-----|-------|-----------------|-----|-------|---------|-----|-------|---------------------|-----|-------|---------|-----|-------|
|               |       | S2 - 2x2 Square |     |       |         |     |       | S4 - 4x4 Square |     |       |         |     |       | R24 - 2x4 Rectangle |     |       |         |     |       |
|               |       | A Lens          |     |       | HE Lens |     |       | A Lens          |     |       | HE Lens |     |       | A Lens              |     |       | HE Lens |     |       |
|               |       | Lumens          | LPW | Watts | Lumens  | LPW | Watts | Lumens          | LPW | Watts | Lumens  | LPW | Watts | Lumens              | LPW | Watts | Lumens  | LPW | Watts |
| <b>830LO</b>  | 3000K | 2000            | 83  | 24.0  | 2000    | 106 | 18.9  | 4000            | 83  | 48.0  | 4000    | 106 | 37.8  | 3000                | 83  | 36.0  | 3000    | 106 | 28.3  |
| <b>830MO</b>  |       | 4000            | 92  | 43.3  | 4000    | 116 | 34.6  | 8000            | 92  | 86.6  | 8000    | 116 | 69.1  | 6000                | 92  | 64.9  | 6000    | 116 | 51.8  |
| <b>830HO</b>  |       | 6000            | 94  | 64.0  | 6000    | 115 | 52.0  | 12000           | 94  | 128.0 | 12000   | 115 | 104.0 | 9000                | 94  | 96.0  | 9000    | 115 | 78.0  |
| <b>830VHO</b> |       | 8000            | 93  | 85.6  | 8000    | 118 | 67.7  | 16000           | 93  | 171.3 | 16000   | 118 | 135.4 | 12000               | 93  | 128.5 | 12000   | 118 | 101.5 |
| <b>835LO</b>  | 3500K | 2000            | 86  | 23.3  | 2000    | 109 | 18.3  | 4000            | 86  | 46.6  | 4000    | 109 | 36.6  | 3000                | 86  | 34.9  | 3000    | 109 | 27.5  |
| <b>835MO</b>  |       | 4000            | 95  | 41.9  | 4000    | 119 | 33.5  | 8000            | 95  | 83.8  | 8000    | 119 | 67.0  | 6000                | 95  | 62.9  | 6000    | 119 | 50.2  |
| <b>835HO</b>  |       | 6000            | 97  | 62.0  | 6000    | 119 | 50.4  | 12000           | 97  | 123.9 | 12000   | 119 | 100.7 | 9000                | 97  | 92.9  | 9000    | 119 | 75.5  |
| <b>835VHO</b> |       | 8000            | 97  | 82.8  | 8000    | 122 | 65.5  | 16000           | 97  | 165.7 | 16000   | 122 | 131.0 | 12000               | 97  | 124.2 | 12000   | 122 | 98.3  |
| <b>840LO</b>  | 4000K | 2000            | 86  | 23.3  | 2000    | 109 | 18.3  | 4000            | 86  | 46.6  | 4000    | 109 | 36.6  | 3000                | 86  | 34.9  | 3000    | 109 | 27.5  |
| <b>840MO</b>  |       | 4000            | 95  | 41.9  | 4000    | 119 | 33.5  | 8000            | 95  | 83.8  | 8000    | 119 | 67.0  | 6000                | 95  | 62.9  | 6000    | 119 | 50.2  |
| <b>840HO</b>  |       | 6000            | 97  | 62.0  | 6000    | 119 | 50.4  | 12000           | 97  | 123.9 | 12000   | 119 | 100.7 | 9000                | 97  | 92.9  | 9000    | 119 | 75.5  |
| <b>840VHO</b> |       | 8000            | 97  | 82.8  | 8000    | 122 | 65.5  | 16000           | 97  | 165.7 | 16000   | 122 | 131.0 | 12000               | 97  | 124.2 | 12000   | 122 | 98.3  |

## Direct 90 CRI Square and Rectangle Forms

|               |       |      |    |       |      |     |      |       |    |       |       |     |       |       |    |       |       |     |       |
|---------------|-------|------|----|-------|------|-----|------|-------|----|-------|-------|-----|-------|-------|----|-------|-------|-----|-------|
| <b>927LO</b>  | 2700K | 2000 | 73 | 27.5  | 2000 | 86  | 23.2 | 4000  | 73 | 54.9  | 4000  | 86  | 46.4  | 3000  | 73 | 41.2  | 3000  | 86  | 34.8  |
| <b>927MO</b>  |       | 4000 | 74 | 53.7  | 4000 | 96  | 41.7 | 8000  | 74 | 107.5 | 8000  | 96  | 83.4  | 6000  | 74 | 80.6  | 6000  | 96  | 62.6  |
| <b>927HO</b>  |       | 6000 | 77 | 78.1  | 6000 | 97  | 61.7 | 12000 | 77 | 156.2 | 12000 | 97  | 123.3 | 9000  | 77 | 117.1 | 9000  | 97  | 92.5  |
| <b>927VHO</b> |       | 8000 | 74 | 108.0 | 8000 | 97  | 82.4 | 16000 | 74 | 216.0 | 16000 | 97  | 164.8 | 12000 | 74 | 162.0 | 12000 | 97  | 123.6 |
| <b>930LO</b>  | 3000K | 2000 | 79 | 25.2  | 2000 | 94  | 21.3 | 4000  | 79 | 50.4  | 4000  | 94  | 42.6  | 3000  | 79 | 37.8  | 3000  | 94  | 31.9  |
| <b>930MO</b>  |       | 4000 | 81 | 49.2  | 4000 | 102 | 39.0 | 8000  | 81 | 98.4  | 8000  | 102 | 78.1  | 6000  | 81 | 73.8  | 6000  | 102 | 58.6  |
| <b>930HO</b>  |       | 6000 | 83 | 72.1  | 6000 | 104 | 57.4 | 12000 | 83 | 144.3 | 12000 | 104 | 114.9 | 9000  | 83 | 108.2 | 9000  | 104 | 86.2  |
| <b>930VHO</b> |       | 8000 | 81 | 98.5  | 8000 | 106 | 75.5 | 16000 | 81 | 197.0 | 16000 | 106 | 150.9 | 12000 | 81 | 147.7 | 12000 | 106 | 113.2 |
| <b>935LO</b>  | 3500K | 2000 | 79 | 25.3  | 2000 | 94  | 21.4 | 4000  | 79 | 50.6  | 4000  | 94  | 42.7  | 3000  | 79 | 37.9  | 3000  | 94  | 32.0  |
| <b>935MO</b>  |       | 4000 | 81 | 49.4  | 4000 | 102 | 39.2 | 8000  | 81 | 98.8  | 8000  | 102 | 78.4  | 6000  | 81 | 74.1  | 6000  | 102 | 58.8  |
| <b>935HO</b>  |       | 6000 | 83 | 72.4  | 6000 | 104 | 57.7 | 12000 | 83 | 144.9 | 12000 | 104 | 115.3 | 9000  | 83 | 108.7 | 9000  | 104 | 86.5  |
| <b>935VHO</b> |       | 8000 | 81 | 98.8  | 8000 | 106 | 75.8 | 16000 | 81 | 197.6 | 16000 | 106 | 151.6 | 12000 | 81 | 148.2 | 12000 | 106 | 113.7 |
| <b>940LO</b>  | 4000K | 2000 | 79 | 25.3  | 2000 | 94  | 21.4 | 4000  | 79 | 50.6  | 4000  | 94  | 42.7  | 3000  | 79 | 37.9  | 3000  | 94  | 32.0  |
| <b>940MO</b>  |       | 4000 | 81 | 49.4  | 4000 | 102 | 39.2 | 8000  | 81 | 98.8  | 8000  | 102 | 78.4  | 6000  | 81 | 74.1  | 6000  | 102 | 58.8  |
| <b>940HO</b>  |       | 6000 | 83 | 72.4  | 6000 | 104 | 57.7 | 12000 | 83 | 144.9 | 12000 | 104 | 115.3 | 9000  | 83 | 108.7 | 9000  | 104 | 86.5  |
| <b>940VHO</b> |       | 8000 | 81 | 98.8  | 8000 | 106 | 75.8 | 16000 | 81 | 197.6 | 16000 | 106 | 151.6 | 12000 | 81 | 148.2 | 12000 | 106 | 113.7 |



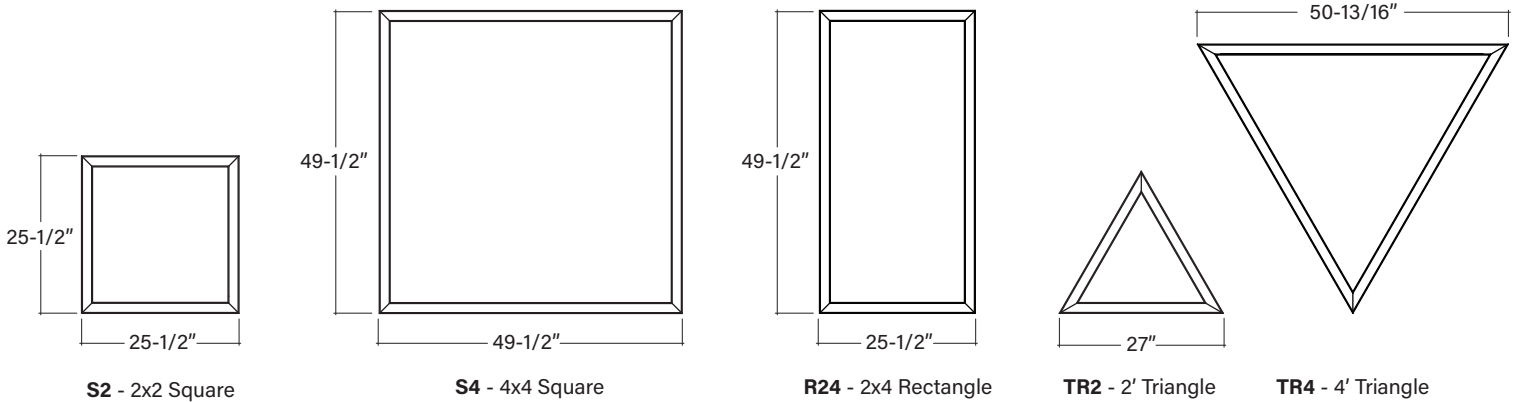
## Direct 80 CRI Triangle Forms

|               | Color | Output                       |     |       |         |     |       | TR4 - Triangle with 4' sides |     |       |         |     |       |
|---------------|-------|------------------------------|-----|-------|---------|-----|-------|------------------------------|-----|-------|---------|-----|-------|
|               |       | TR2 - Triangle with 2' sides |     |       |         |     |       | TR4 - Triangle with 4' sides |     |       |         |     |       |
|               |       | A Lens                       |     |       | HE Lens |     |       | A Lens                       |     |       | HE Lens |     |       |
|               |       | Lumens                       | LPW | Watts | Lumens  | LPW | Watts | Lumens                       | LPW | Watts | Lumens  | LPW | Watts |
| <b>830LO</b>  | 3000K | 1500                         | 83  | 18.0  | 1500    | 106 | 14.2  | 3000                         | 83  | 36.0  | 3000    | 106 | 28.3  |
| <b>830MO</b>  |       | 3000                         | 92  | 32.5  | 3000    | 116 | 25.9  | 6000                         | 92  | 64.9  | 6000    | 116 | 51.8  |
| <b>830HO</b>  |       | 4500                         | 94  | 48.0  | 4500    | 115 | 39.0  | 9000                         | 94  | 96.0  | 9000    | 115 | 78.0  |
| <b>830VHO</b> |       | 6000                         | 93  | 64.2  | 6000    | 118 | 50.8  | 12000                        | 93  | 128.5 | 12000   | 118 | 101.5 |
| <b>835LO</b>  | 3500K | 1500                         | 86  | 17.5  | 1500    | 109 | 13.7  | 3000                         | 86  | 34.9  | 3000    | 109 | 27.5  |
| <b>835MO</b>  |       | 3000                         | 95  | 31.4  | 3000    | 119 | 25.1  | 6000                         | 95  | 62.9  | 6000    | 119 | 50.2  |
| <b>835HO</b>  |       | 4500                         | 97  | 46.5  | 4500    | 119 | 37.8  | 9000                         | 97  | 92.9  | 9000    | 119 | 75.5  |
| <b>835VHO</b> |       | 6000                         | 97  | 62.1  | 6000    | 122 | 49.1  | 12000                        | 97  | 124.2 | 12000   | 122 | 98.3  |
| <b>840LO</b>  | 4000K | 1500                         | 86  | 17.5  | 1500    | 109 | 13.7  | 3000                         | 86  | 34.9  | 3000    | 109 | 27.5  |
| <b>840MO</b>  |       | 3000                         | 95  | 31.4  | 3000    | 119 | 25.1  | 6000                         | 95  | 62.9  | 6000    | 119 | 50.2  |
| <b>840HO</b>  |       | 4500                         | 97  | 46.5  | 4500    | 119 | 37.8  | 9000                         | 97  | 92.9  | 9000    | 119 | 75.5  |
| <b>840VHO</b> |       | 6000                         | 97  | 62.1  | 6000    | 122 | 49.1  | 12000                        | 97  | 124.2 | 12000   | 122 | 98.3  |

## Direct 90 CRI Triangle Forms

|               |       |      |    |      |      |     |      |       |    |       |       |     |       |
|---------------|-------|------|----|------|------|-----|------|-------|----|-------|-------|-----|-------|
| <b>927LO</b>  | 2700K | 1500 | 73 | 20.6 | 1500 | 86  | 17.4 | 3000  | 73 | 41.2  | 3000  | 86  | 34.8  |
| <b>927MO</b>  |       | 3000 | 74 | 40.3 | 3000 | 96  | 31.3 | 6000  | 74 | 80.6  | 6000  | 96  | 62.6  |
| <b>927HO</b>  |       | 4500 | 77 | 58.6 | 4500 | 97  | 46.2 | 9000  | 77 | 117.1 | 9000  | 97  | 92.5  |
| <b>927VHO</b> |       | 6000 | 74 | 81.0 | 6000 | 97  | 61.8 | 12000 | 74 | 162.0 | 12000 | 97  | 123.6 |
| <b>930LO</b>  | 3000K | 1500 | 79 | 18.9 | 1500 | 94  | 16.0 | 3000  | 79 | 37.8  | 3000  | 94  | 31.9  |
| <b>930MO</b>  |       | 3000 | 81 | 36.9 | 3000 | 102 | 29.3 | 6000  | 81 | 73.8  | 6000  | 102 | 58.6  |
| <b>930HO</b>  |       | 4500 | 83 | 54.1 | 4500 | 104 | 43.1 | 9000  | 83 | 108.2 | 9000  | 104 | 86.2  |
| <b>930VHO</b> |       | 6000 | 81 | 73.9 | 6000 | 106 | 56.6 | 12000 | 81 | 147.7 | 12000 | 106 | 113.2 |
| <b>935LO</b>  | 3500K | 1500 | 79 | 19.0 | 1500 | 94  | 16.0 | 3000  | 79 | 37.9  | 3000  | 94  | 32.0  |
| <b>935MO</b>  |       | 3000 | 81 | 37.1 | 3000 | 102 | 29.4 | 6000  | 81 | 74.1  | 6000  | 102 | 58.8  |
| <b>935HO</b>  |       | 4500 | 83 | 54.3 | 4500 | 104 | 43.3 | 9000  | 83 | 108.7 | 9000  | 104 | 86.5  |
| <b>935VHO</b> |       | 6000 | 81 | 74.1 | 6000 | 106 | 56.8 | 12000 | 81 | 148.2 | 12000 | 106 | 113.7 |
| <b>940LO</b>  | 4000K | 1500 | 79 | 19.0 | 1500 | 94  | 16.0 | 3000  | 79 | 37.9  | 3000  | 94  | 32.0  |
| <b>940MO</b>  |       | 3000 | 81 | 37.1 | 3000 | 102 | 29.4 | 6000  | 81 | 74.1  | 6000  | 102 | 58.8  |
| <b>940HO</b>  |       | 4500 | 83 | 54.3 | 4500 | 104 | 43.3 | 9000  | 83 | 108.7 | 9000  | 104 | 86.5  |
| <b>940VHO</b> |       | 6000 | 81 | 74.1 | 6000 | 106 | 56.8 | 12000 | 81 | 148.2 | 12000 | 106 | 113.7 |

## Form





## Mounting

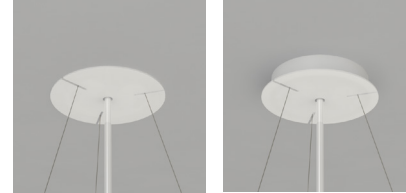
- Must specify cable length in ordering code (AS48G1), either 48" or 120" standard, field adjustable
- Power cord attached at factory
- Aircraft cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies

- Canopies match fixture finish, power cords are white or black depending on fixture finish. See Finish section for additional details
- Approved for dry/damp location unless otherwise noted
- Refer to installation instructions during installation

| AS_JB                                                       | AS_ST | AH_JB                                                                     | AH_ST |
|-------------------------------------------------------------|-------|---------------------------------------------------------------------------|-------|
| Multiple aircraft cables from fixture to J box or Structure |       | Multiple aircraft cables from fixture to a central hub J box or Structure |       |
|                                                             |       |                                                                           |       |

## Central Hub Canopy

- The central hub canopy (AH) can be installed either below the ceiling plane or semi-recessed into the ceiling for a flush mount installation
- Standard kit can be installed either way
- Flush canopy installation is not available for fixtures installed below a grid rail



## Voltage

- Some EX1DF configurations will not accommodate all voltage options; consult with factory

|          |           |
|----------|-----------|
| <b>U</b> | Universal |
| <b>1</b> | 120 volt  |
| <b>2</b> | 277 volt  |
| <b>3</b> | 347 volt  |

## Driver

- Standard Driver Option = FSD
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options, see Pinnacle Resource Guide

- Some EX1DF configurations will not accommodate all driver options; consult with factory

| 0-10V Drivers  |                                                           |
|----------------|-----------------------------------------------------------|
| <b>FSD</b>     | Factory Select Driver 1%, 0-10v                           |
| <b>PL2</b>     | Advance Xitanium 1%, 0-10v                                |
| <b>PL4</b>     | Advance Xitanium 347v 1%, 0-10v, requires 347v option     |
| <b>OL2</b>     | eldoLED Optotronic, 1%, 0-10v                             |
| <b>OL4</b>     | eldoLED Optotronic 347v, 1% 0-10v, requires 347v option   |
| <b>EE1</b>     | eldoLED ECOdrive 1%, 0-10v, Logarithmic                   |
| <b>EE2</b>     | eldoLED ECOdrive 1%, 0-10v, Linear                        |
| <b>ES1</b>     | eldoLED SOLOdrive 0.1%, 0-10v, Logarithmic                |
| <b>ES2</b>     | eldoLED SOLOdrive 0.1%, 0-10v, Linear                     |
| DALI Drivers   |                                                           |
| <b>EE3</b>     | eldoLED ECOdrive 1%, DALI 2, Logarithmic, DT6             |
| <b>ES3</b>     | eldoLED SOLOdrive 0.1%, DALI 2, Logarithmic, DT6          |
| Lutron Drivers |                                                           |
| <b>LH1</b>     | Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1 |



## How to specify Circuiting, Battery and Emergency

- 1
  - Select fixture circuiting from options below
  - Some EX1DF configurations will not accommodate all circuiting options, consult with factory
  - Section wiring not available within an individual Form. Emergency circuit and Night Light circuit options are for designation purposes only

### Circuiting

|          |                          |
|----------|--------------------------|
| <b>1</b> | Single Circuit           |
| <b>E</b> | Emergency Circuit only   |
| <b>N</b> | Night Light Circuit only |

- 2 + 3
  - Battery and emergency section options are available in addition to fixture circuit
  - Select battery and emergency options below; factory shop drawing required
  - Some EX1DF configurations will not accommodate all circuiting options, consult with factory

### Battery and/or Emergency If Required

- 0 No battery or specific emergency required

### Battery

- Not available in S2 or TR2. Maximum one battery per form
- Battery powers (one) 4ft section within form during the loss of normal power
- 90 minute battery runtime; test button is remote to fixture
- PLL and ILL not available with VHO and 927HO
- For more battery options see [Pinnacle Resource Guide](#)

|               |                                                            |
|---------------|------------------------------------------------------------|
| <b>0</b>      | No Battery                                                 |
| <b>1FSB</b>   | Factory Select Battery 10w, Integral Lithium               |
| <b>1FSBST</b> | Factory Select Battery 10w, Integral Lithium, Self Testing |
| <b>1PLL</b>   | Bodine 10w Integral Lithium, Self Testing                  |
| <b>1ILL</b>   | Iota 10w Integral Lithium, Self Testing                    |

#### For Approximate Battery Lumen Output

- Multiply fixture LPW x battery wattage shown on Lumen Table
- 92.3 (LPW) x 10 (watts) = 923 battery lumen output

### Emergency

- Not available in S2 or TR2. Maximum one EM device per form
- Emergency device powers entire form during the loss of normal power
- Combine battery and emergency ordering codes if both options are selected

|             |                                                    |
|-------------|----------------------------------------------------|
| <b>1FSG</b> | Factory Select ALCR, Emergency Control Device, UNV |
| <b>1GI</b>  | Iota ETS-DR, Emergency Control Device, UNV         |
| <b>1GB</b>  | Bodine GTD, Emergency Control Device, 120v or 277v |

#### Battery OR Emergency Ordering Examples

- |                                        |                       |
|----------------------------------------|-----------------------|
| • Single circuit, 10w Integral Battery | Ordering Code: 1-1FSB |
| • Emergency only, 10w Integral Battery | Ordering Code: E-1PLL |
| • Single circuit, GTD required         | Ordering Code: 1-1GB  |

### Finish

- Standard powder-coat textured white, metallic silver, textured black, graphite or bronze painted finish; consult factory for chip of standard paint finishes
- Selecting a fixture finish other than white may impact lumen output; consult factory for more information

|           |                                                     |
|-----------|-----------------------------------------------------|
| <b>W</b>  | White <i>(white cord/white canopy)</i>              |
| <b>S</b>  | Metallic Silver <i>(white cord/silver canopy)</i>   |
| <b>BL</b> | Textured Black <i>(black cord/black canopy)</i>     |
| <b>BR</b> | Bronze <i>(white cord/bronze canopy)</i>            |
| <b>GR</b> | Graphite <i>(white cord/graphite canopy)</i>        |
| <b>CC</b> | Custom Color <i>(white cord/color match canopy)</i> |

### Fixture Options

- Domestic content option - compliance is configuration dependent; consult factory for conformation

|           |                                                               |
|-----------|---------------------------------------------------------------|
| <b>BA</b> | Buy America(n) Act and/or Build America Buy America Compliant |
|-----------|---------------------------------------------------------------|

### Controls

- Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information

Specifications and dimensions subject to change without notice. Specification sheets that appear on [pinnacle-ltg.com](#) are the most recent version and supersede all other previously printed or electronic versions.

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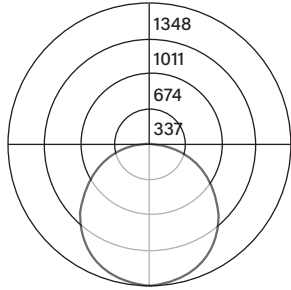
EX1DF\_LED\_SPEC\_SEPTEMBER2025



## Photometrics

### High Efficiency Lens

Test # KPL2015-57  
Catalog # EX1D-A-840VHO-4  
Lumens 3819  
Watts 39.7  
Efficacy 96 LPW



For all available IES files, please visit our website at [pinnacle-ltg.com](http://pinnacle-ltg.com).  
Photometry testing in accordance to IESNA-LM-79-08 at an NVLAP or IAS accredited testing laboratory.  
Testing conducted at 25°C ambient conditions  
NOTE: For accurate light calculations of Chute Forms using lighting design software,  
Pinnacle recommends assembling an arrangement from individual  
2-foot or 3-foot Leg Edge 1 IES files. Refer to the Chute Forms IES Instructions for more details.

## Applications & Certificates

**Construction:** Welded single piece extruded aluminum housing.

**Shielding:** Diffuse snap-in acrylic lens with matte finish, removable for maintenance.

**Mounting:** Aircraft cable suspension available with Multiple Canopy or Central Hub Canopy options. Multiple Canopy (AS): Cables at each fixture corner connect to individual 5" power and 2" non-power ceiling canopies. Central Hub Canopy (AH): Cables at each fixture corner converge into a single 5" central ceiling canopy hub for a minimalist look. Refer to installation instructions for appropriate ceiling detail.

**LED:** 25°C test environment. Lumen output/wattage has a margin of +/- 5%; Luminaire configurations tested in accordance with IES LM-79. Diodes tested in accordance with IES LM-80. Lifetime calculated using IES TM-21. Minimum lifetime greater than 60,000 hours. TM-21-21 Lifetime Rating L70 = >72,000 hours, L90 = 64,700 hours. MacAdam 3-Step Ellipses. For all available IES files, please visit our website at [pinnacle-ltg.com](http://pinnacle-ltg.com).

**CRI, CCT & Lumen Output:** Not all lumen packages available in every CRI/CCT. Four lumen packages available. Low (LO), Medium (MO), High (HO) and Very High (VHO). Custom outputs are available. Specify custom lumens or watts between standard offering listed on CRI, CCT & Output page. 80 CRI is available for 3000K, 3500K, and 4000K. 90 CRI is available for 2700K, 3000K, 3500K and 4000K. 90 CRI = R9≥50.

**Voltage:** Universal (U), 120 volt (1), 277 volt (2) and 347 volt (3) options available. Must specify PL4 or OL4 in Driver section when 347 volt (3) is selected. Some EDGE configurations will not accommodate all voltage options; consult with factory.

**Driver:** Standard Driver Option is Factory Select Driver 0-10V, 1% = FSD. Electronic driver, Power factor is >0.9 with a THD <20%. Driver Lifetime: 50,000 hours at 25°C ambient operating conditions. Ambient operating range: -20°F/-30°C to 115°F/46°C. For more driver options, see Pinnacle Resource Guide. Some EDGE configurations will not accommodate all driver options.

**Circuiting:** Select from single circuit (1), Emergency circuit (E), Night Light circuit (N). Some EDGE configurations will not accommodate all circuiting options; consult with factory.

**Battery & Emergency:** Select battery or emergency options if required. If battery or emergency option is not required, enter 0. Battery duration is 90 minutes as standard. Test button is remote to fixture. For more Battery options, see Pinnacle Resource Guide.

**Finish:** Standard powder-coat textured white, metallic silver, textured black, graphite or bronze painted finish; consult factory for chip of standard paint finishes. Contact factory for additional custom color and finish options.

**Controls:** Mod options available, consult with factory.

**Buy America Act (BAA) and Build America, Buy America Act (BABA) Compliance:** BAA and/or BABA compliance options are available to support federally funded projects requiring domestic content. Availability depends on configuration; Compliance is configuration-dependent; consult factory for confirmation.

**Labels:** UL and cUL 1598 listed. Approved for dry/damp location unless otherwise noted.

**Sustainability:** All models are Living Building Challenge (LBC) Declared with third-party verification. The Declare Label from ILFI provides transparent insights into materials, sourcing, and environmental impact, promoting informed, sustainable choices that benefit both people and the planet. View the label here.

**Fixture Weight:** Maximum fixture weight is 14lbs for 2x2, 28lbs for 4x4, 21lbs for 2x4, 11lbs for TR2 and 20lbs for TR4.

**Warranty:** EX LED offered with a 5-year limited warranty. Covers LED, driver and fixture.