

# CHUTE CDI

4" Open Suspended Linear  
Direct/Indirect

## Key Features

- 4" wide fixture with a 2 1/2" fully luminous aperture
- Small, integral driver option for quick, easy installation
- Light Protection Guard (LPG) covers LEDs for optimal performance
- 4 distinct decorative endcaps for tailored designs
- 6063-T6 Extruded aluminum housing
- 5-year limited warranty covers LED, driver and fixture
- ETL listed conforming to UL 1598 in US and CSA 250 in Canada
- Product transparency with third-party verified Living Building Challenge (LBC) Declared



**Declare.**



Example Part #: CDI-BW-830HO-830-26'-AC48G1-1-EL1-1-0-W-IB

## CDI

|                    |               |                 |        |          |         |        |            |                     |        |         |          |
|--------------------|---------------|-----------------|--------|----------|---------|--------|------------|---------------------|--------|---------|----------|
| <b>BW</b>          |               |                 |        |          |         |        |            |                     |        |         |          |
| INDIRECT SHIELDING | DIRECT OUTPUT | INDIRECT OUTPUT | LENGTH | MOUNTING | VOLTAGE | DRIVER | CIRCUITING | BATTERY & EMERGENCY | FINISH | ENDCAPS | CONTROLS |

| INDIRECT SHIELDING  | DIRECT CRI, CCT & OUTPUT <sup>1</sup>                                                                                                                                                  | INDIRECT CRI, CCT & OUTPUT <sup>1</sup>                                                                                                                                                | LENGTH OR PATTERN <sup>2</sup>                                                                                                                                                                                                                          |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>BW</b> - Batwing | <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>Direct CRI, CCT &amp; Output 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>Direct CRI, CCT &amp; Output pg. 2</i> | <b>1</b> - Individual Fixture<br><b>2</b> - Continuous Row<br><b>S</b> - Square<br><b>R</b> - Rectangle<br><b>L</b> - L Shape<br><b>U</b> - U Shape<br><b>Y</b> - Y Shape<br><b>T</b> - T Shape<br><b>X</b> - X Shape<br><i>Length or pattern pg. 3</i> |

| MOUNTING <sup>3</sup>                                                                                                                                                                                                                             | VOLTAGE                                                                                                                                | DRIVER                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CIRCUITING                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AC</b> - AC to Grid<br><b>AC</b> - AC to J Box<br><b>AC</b> - AC to Structure<br><b>AC5</b> - 5" Non-Power Canopy<br><b>AC5</b> - 5" Non-Power Canopy<br><b>SQ</b> - 5" Square Canopy<br><b>SQ</b> - 5" Square Canopy<br><i>Mounting pg. 4</i> | <b>U</b> - Universal (120 thru 277V, remote)<br><b>1</b> - 120V<br><b>2</b> - 277V<br><b>3</b> - 347V (remote)<br><i>Voltage pg. 4</i> | <i>Integral Driver</i><br><b>EL1</b> - ERP Power (1%, 0-10v, 120v or 277v)<br><i>Remote Drivers</i><br><b>FSD</b> - Factory Select Driver (1%, 0-10v)<br><b>PL2</b> - Advance Xitanium (1%, 0-10v)<br><b>OL2</b> - eldoLED Optotronic (1%, 0-10v)<br><b>OL4</b> - eldoLED Optotronic 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. 5</i> | <b>1</b> - Single Circuit<br><b>2</b> - Dual Circuit<br><b>M</b> - Multi 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>4</sup>                                                                                                                                                                                                                                                                                                          | FINISH                                                                                                                                                                        | ENDCAPS                                                                                                                                               | FIXTURE OPTIONS <sup>5</sup>                                                                                                                                                                       | CONTROLS                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>0</b> - None<br><b>FSB</b> - Factory Select Battery<br><b>FSG</b> - Factory Select ALCR<br><b>GI</b> - Iota ETS DR<br><b>IRC</b> - Iota 10W (remote)<br><b>PRD</b> - Bodine 10W (remote)<br><b>E</b> - Emergency Section<br><b>N</b> - Night Light Section<br><b>L</b> - Life Safety Section<br><i>Battery &amp; Emergency pg. 5-6</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. 6</i> | <b>FE</b> - Flat Endcap<br><b>IB</b> - Inward Bevel Endcap<br><b>OB</b> - Outward Bevel Endcap<br><b>AE</b> - Arc 180° Endcap<br><i>Endcaps pg. 6</i> | <b>DSP</b> - Customer Supplied Battery/Driver/Sensor<br><b>CP</b> - Chicago Plenum<br><b>BA</b> - Buy America(n) Act and/or Build<br>America Buy America Compliant<br><i>Fixture Options pg. 6</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>Individual fixtures come in **2', 3', 4', 5', 6', 7' & 8'** lengths. Continuous row come in 1' increments. <sup>3</sup>Specify cable length standard AC is **48", 120"** or **240"**; Specify grid: **G1**=15/16", **G9**=9/16" or **GS**=Screw Slot. Example: AC48G1 <sup>4</sup>All Battery & Emergency options are REMOTE. Enter quantity for Battery and Emergency, Example 2PRD. <sup>5</sup>Compliance is configuration dependent; consult factory for confirmation.

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## CRI, CCT & Output

- 90 CRI = R9≥50

### Custom Output - Lumens OR Wattage

|                 |                                                      |                                                                                                                      |
|-----------------|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>CL</b> _____ | Specify CRI, CCT and desired lumens (i.e. CL8401380) | Max lumens: Direct - 1,380 Indirect - 1,720 Max lumens dependent on color temp. Consult factory for more information |
| <b>CW</b> _____ | Specify CRI, CCT and desired wattage (i.e. CW9407)   | Max watts: Direct - 10.8 Indirect - 11.2. Consult factory for more information                                       |

### Direct 80 CRI

|               | Color | Output¹   |     |          |
|---------------|-------|-----------|-----|----------|
|               |       | Lumens/ft | LPW | Watts/ft |
| <b>830</b>    | 3000K | 500       | 115 | 4.3      |
| <b>830HO</b>  | 3000K | 750       | 116 | 6.5      |
| <b>830VHO</b> | 3000K | 1000      | 116 | 8.6      |
| <b>835</b>    | 3500K | 500       | 123 | 4.1      |
| <b>835HO</b>  | 3500K | 750       | 124 | 6.0      |
| <b>835VHO</b> | 3500K | 1000      | 125 | 8.0      |
| <b>840</b>    | 4000K | 500       | 128 | 3.9      |
| <b>840HO</b>  | 4000K | 750       | 128 | 5.9      |
| <b>840VHO</b> | 4000K | 1000      | 128 | 7.8      |

### Direct 90 CRI (longer lead times may apply, consult factory)

|               |       |      |     |      |
|---------------|-------|------|-----|------|
| <b>927</b>    | 2700K | 500  | 97  | 5.2  |
| <b>927HO</b>  | 2700K | 750  | 97  | 7.7  |
| <b>927VHO</b> | 2700K | 1000 | 100 | 10.0 |
| <b>930</b>    | 3000K | 500  | 105 | 4.8  |
| <b>930HO</b>  | 3000K | 750  | 105 | 7.1  |
| <b>930VHO</b> | 3000K | 1000 | 106 | 9.4  |
| <b>935</b>    | 3500K | 500  | 110 | 4.6  |
| <b>935HO</b>  | 3500K | 750  | 110 | 6.8  |
| <b>935VHO</b> | 3500K | 1000 | 111 | 9.0  |
| <b>940</b>    | 4000K | 500  | 107 | 4.7  |
| <b>940HO</b>  | 4000K | 750  | 107 | 7.0  |
| <b>940VHO</b> | 4000K | 1000 | 108 | 9.3  |

### Indirect 80 CRI

|               | Color | Lumens<br>per foot | Shielding¹           |          |
|---------------|-------|--------------------|----------------------|----------|
|               |       |                    | BW<br>Batwing<br>LPW | Watts/ft |
| <b>830</b>    | 3000K | 500                | 143                  | 3.5      |
| <b>830HO</b>  | 3000K | 750                | 144                  | 5.2      |
| <b>830VHO</b> | 3000K | 1000               | 144                  | 6.9      |
| <b>835</b>    | 3500K | 500                | 153                  | 3.3      |
| <b>835HO</b>  | 3500K | 750                | 155                  | 4.8      |
| <b>835VHO</b> | 3500K | 1000               | 155                  | 6.4      |
| <b>840</b>    | 4000K | 500                | 159                  | 3.2      |
| <b>840HO</b>  | 4000K | 750                | 160                  | 4.7      |
| <b>840VHO</b> | 4000K | 1000               | 159                  | 6.3      |

### Indirect 90 CRI (longer lead times may apply, consult factory)

|               |       |      |     |     |
|---------------|-------|------|-----|-----|
| <b>927</b>    | 2700K | 500  | 120 | 4.2 |
| <b>927HO</b>  | 2700K | 750  | 120 | 6.2 |
| <b>927VHO</b> | N/A   |      |     |     |
| <b>930</b>    | 3000K | 500  | 130 | 3.8 |
| <b>930HO</b>  | 3000K | 750  | 131 | 5.7 |
| <b>930VHO</b> | 3000K | 1000 | 131 | 7.6 |
| <b>935</b>    | 3500K | 500  | 136 | 3.7 |
| <b>935HO</b>  | 3500K | 750  | 137 | 5.5 |
| <b>935VHO</b> | 3500K | 1000 | 137 | 7.3 |
| <b>940</b>    | 4000K | 500  | 132 | 3.8 |
| <b>940HO</b>  | 4000K | 750  | 133 | 5.7 |
| <b>940VHO</b> | 4000K | 1000 | 133 | 7.5 |

¹LPW and watts/ft based off 48" fixture size, see IES files for specific fixture length.

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## Length

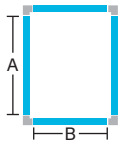
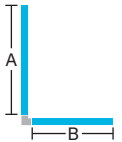
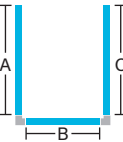
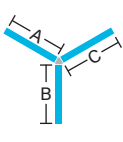
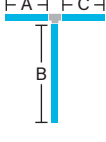
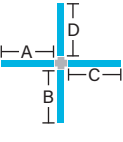
- For Standard Flat end cap add 5/16" (7.6mm) to each end cap or 5/8" (15.2mm) to the overall length of the row.
- For Inward Bevel end cap add 13/32" (10.1mm) to each end cap or 13/16" (20.2mm) to the overall length of the row.
- For Outward Bevel end cap add 23/32" (18.4mm) to each end cap or 1-7/16" (36.8mm) to the overall length of the row.
- For Angled Twist end cap add 1/2" (12.6mm) to each end cap or 1" (25.2mm) to the overall length of the row.
- See page 5 for endcap details
- Consult Factory for additional length options

| 2                   | 3              | 4              | 5              | 6              | 7              | 8              | -                                                                 |
|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|-------------------------------------------------------------------|
| Indiv. Fixture      | Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | Cont. Run<br>Specify nominal<br>overall row length<br>to the foot |
| 24" (588mm)         |                |                |                |                |                |                |                                                                   |
| 36" (914.4mm)       |                |                |                |                |                |                |                                                                   |
| 48" (1219.2mm)      |                |                |                |                |                |                |                                                                   |
| 60" (1524mm)        |                |                |                |                |                |                |                                                                   |
| 72" (1828.8mm)      |                |                |                |                |                |                |                                                                   |
| 84" (2133.6mm)      |                |                |                |                |                |                |                                                                   |
| 96" (2438.4mm)      |                |                |                |                |                |                |                                                                   |
| Specify to the foot |                |                |                |                |                |                |                                                                   |

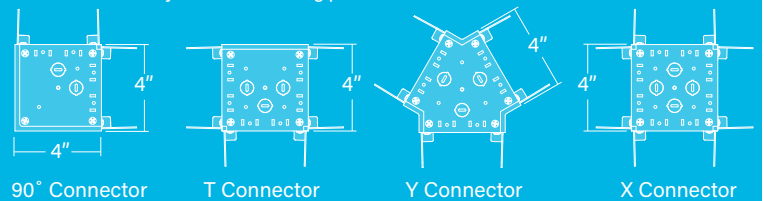
Fixture lengths do not include endcap dimensions. See bullet points listed above for each endcap. Example: 2' fixture (24") + 2 Standard Flat Endcaps (5/8") = 24 5/8" overall.

## Pattern

- Patterns are made using non illuminated connector
- Interior of connector will be painted the same color as the exterior. ie. if the pattern consists of black fixtures the inside of the connector will also be black.
- Specify pattern shape and overall dimensions (includes corner dimensions)
- Refer to dimensions table below for available standard lengths
- Angles and shapes not shown require Mod Pattern; consult factory

| S_                                                                                 | R_x                                                                                           | L_x                                                                                         | U_x x                                                                                               | Y_x x                                                                                               | T_x x                                                                                               | X_x x x                                                                                                     | M                                                                    |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Square<br>Provide A dimension<br>Example: <b>S4'</b><br>Example Length-<br>4'x4'   | Rectangle<br>Provide Ax B<br>dimensions<br>Example: <b>R4'x4'</b><br>Example Length-<br>4'x4' | L-Shape<br>Provide Ax B<br>dimensions<br>Example: <b>L3'x3'</b><br>Example Length-<br>3'x3' | U-Shape<br>Provide Ax BxC<br>dimensions<br>Example: <b>U5'x5'x5'</b><br>Example Length-<br>5'x5'x5' | Y-Shape<br>Provide Ax BxC<br>dimensions<br>Example: <b>Y5'x5'x5'</b><br>Example Length-<br>5'x5'x5' | T-Shape<br>Provide Ax BxC<br>dimensions<br>Example: <b>T5'x5'x5'</b><br>Example Length-<br>5'x5'x5' | X-Shape<br>Provide Ax BxCxD<br>dimensions<br>Example: <b>X5'x5'x5'x5'</b><br>Example Length-<br>5'x5'x5'x5' | Mod Layout<br>For patterns or<br>lengths not shown<br>or<br>standard |
|  |            |          |                  |                  |                |                        |                                                                      |

Hub Details: Every hub is a mounting point

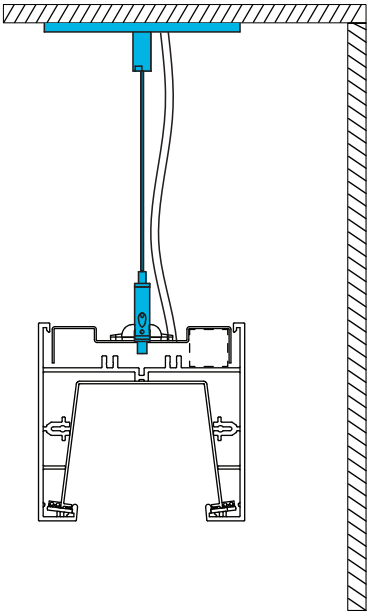




Mounting

- Specify cable length in ordering code (AC48G1)
- Standard specifiable lengths are 48", 120", 240" and 350"
- End plates and power cord attached at factory
- Aircraft cable (AC) mounts on 4' (1219.2mm) and 8' (2438.4mm) centers
- Aircraft Cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies
- Canopies are painted to 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 at the job site
- Maximum fixture weight is 25 lbs for a standard 4' fixture
- AC\_\_GS works with screw slot and bolt slot grid ceiling types
- Remote box will be included for all specifications that include batteries, or a driver OTHER THAN the EL1. See Installation Instructions for more specific information about mounting
- For integral driver version, access for wiring and drivers through the indirect side of the fixture only

|         |                                            |
|---------|--------------------------------------------|
| AC__G1  | Aircraft Cable 1" (15/16") T-Bar           |
| AC__G9  | Aircraft Cable 9/16" T-Bar                 |
| AC__GS  | Aircraft Cable Screw Slot T-Bar            |
| AC__JB  | Aircraft Cable Junction Box                |
| AC__ST  | Aircraft Cable Structure                   |
| AC5__G_ | Aircraft Cable 5" (127mm) Non-Power Canopy |
| AC5__JB | Aircraft Cable 5" (127mm) Non-Power Canopy |
| SQ__G_  | Aircraft Cable 5" (127mm) Square Canopy    |
| SQ__JB  | Aircraft Cable 5" (127mm) Square Canopy    |



Voltage

- Some CHUTE configurations will not accommodate all voltage options; consult with factory
- For EL1 driver, must specify 120v or 277v

|   |                           |
|---|---------------------------|
| U | Universal <i>(remote)</i> |
| 1 | 120 volt                  |
| 2 | 277 volt                  |
| 3 | 347 volt <i>(remote)</i>  |

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## Driver

- Standard Driver Option = EL1
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options see Pinnacle Resource Guide
- Some CHUTE configurations will not accommodate all driver options; consult with factory

- EL1 driver is integral to the fixture housing. Remote box necessary for all drivers OTHER THAN the EL1
- Osram and Lutron Drivers have a remote distance limitation of 10'
- eldoLED and Advance Drivers have an average remote distance limitation of 50'. Consult Factory for specific configurations

### Integral Driver

**EL1** ERP Power 1%, 0-10v, requires 120 or 277

### Remote Driver

#### 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   |
| <b>OL2</b> | eldoLED Optotronic, 1%, 0-10v                    |
| <b>OL4</b> | eldoLED Optotronic 347v, 1% 0-10v, requires 347v |
| <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 (logarithmic)  |
| <b>ES3</b> | eldoLED SOLOdrive .1%, DALI (logarithmic) |
| <b>OD1</b> | eldoLED Optotronic 1%, DEXAL              |

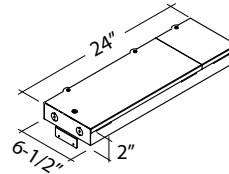
#### Lutron Drivers

**LH1** Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1

#### Alternate Drivers

**EH1** ELV 120v only, 0-10v universal

Standard Remote Box



## How to specify Circuiting, Battery and Emergency

1

- Select fixture circuiting from options below
- Some CHUTE configurations will not accommodate all circuiting options, consult with factory

### Circuiting

|          |                          |
|----------|--------------------------|
| <b>1</b> | Single Circuit           |
| <b>2</b> | Dual Circuit             |
| <b>M</b> | Multi Circuit            |
| <b>E</b> | Emergency Circuit only   |
| <b>N</b> | Night Light Circuit only |

2

+

3

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

### Battery and/or Emergency If Required

**0** No battery or specific emergency required



## Battery

- Battery is REMOTE
- Select battery option type if required, indicate total QTY. *Example 2PLL*
- 90 minute battery runtime; test button is remote to fixture
- Battery operates full length of housing up to 8' on individual fixtures or within continuous row
- PLL and ILL not available with VHO and 90 CRI
- For more battery options available, see [Pinnacle Resource Guide](#)

|               |                                                           |
|---------------|-----------------------------------------------------------|
| <b>0</b>      | No Battery                                                |
| <b>_FSB</b>   | Factory Select Battery (10w option, remote in box)        |
| <b>_FSBST</b> | Factory Select Battery (10w, Self Testing, remote in box) |
| <b>_ILL</b>   | lota 10W (Self Testing, remote in box)                    |
| <b>_IRC</b>   | lota 10W (remote with conduit)                            |
| <b>_PLL</b>   | Bodine 10W (remote in box)                                |
| <b>_PRD</b>   | Bodine 10W (Dual Flex, remote with conduit)               |

### For Approximate Battery Lumen Output

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

## Emergency

- Emergency Control Device is REMOTE in driver box
- Select emergency type if required, indicate total QTY. *Example 1E*
- Emergency available in 4' increments
- Combine battery and emergency ordering codes if both options are selected

|             |                                                   |
|-------------|---------------------------------------------------|
| <b>_FSG</b> | Factory Select ALCR Emergency Control Device, UNV |
| <b>_GI</b>  | lota ETS-DR, Emergency Control Device, UNV        |
| <b>_E</b>   | Emergency circuit                                 |
| <b>_N</b>   | Night Light circuit                               |
| <b>_L</b>   | Life Safety circuit section NO THROUGH WIRE       |

### Battery OR Emergency Ordering Examples

- Single circuit, 10w Battery      Ordering Code: 1-1PLL
- Emergency only, 10w Battery      Ordering Code: E-1PLL

## Finish

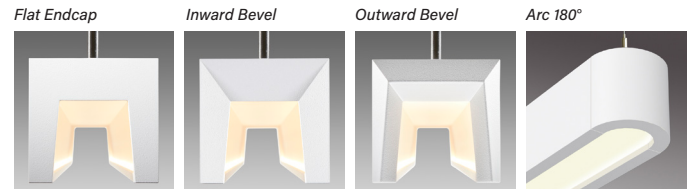
- Standard powder-coat textured white, metallic silver, textured black, graphite or bronze painted finish; consult factory for chip of standard paint finishes
- Selecting a fixture finish other than white may impact lumen output; consult factory for more information

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

## Fixture Options

- Endcap MUST be specified.

|           |                      |
|-----------|----------------------|
| <b>FE</b> | Flat Endcap          |
| <b>IB</b> | Inward Bevel Endcap  |
| <b>OB</b> | Outward Bevel Endcap |
| <b>AE</b> | Arc 180° Endcap      |



## Fixture Options

- Additional options to enhance the fixture and finish of the product

|            |                                         |
|------------|-----------------------------------------|
| <b>DSP</b> | Customer Supplied Battery/Driver/Sensor |
| <b>CP</b>  | Chicago Plenum, applies to remote box   |

- 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 |
|-----------|---------------------------------------------------------------|



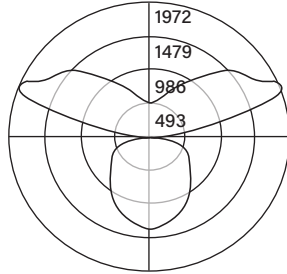
## Controls

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

## Photometrics

### Open - Batwing

Test # ITL93069 & 94661  
Catalog # CDI-BW-835VHO-835VHO-4  
Lumens 8894 lm  
Watts 64.3 W  
Efficacy 138.3 LPW



### Candela Distribution

| Vert<br>Angle | Horizontal Angle |      |      |      |      |
|---------------|------------------|------|------|------|------|
|               | 0                | 22.5 | 45   | 67.5 | 90   |
| 0             | 1411             | 1411 | 1411 | 1411 | 1411 |
| 5             | 1410             | 1394 | 1397 | 1393 | 1386 |
| 15            | 1369             | 1332 | 1311 | 1292 | 1280 |
| 25            | 1289             | 1229 | 1191 | 1157 | 1141 |
| 35            | 1169             | 1093 | 1037 | 986  | 964  |
| 45            | 1010             | 927  | 850  | 798  | 782  |
| 55            | 818              | 735  | 662  | 656  | 656  |
| 65            | 597              | 524  | 519  | 545  | 552  |
| 75            | 362              | 346  | 401  | 428  | 428  |
| 85            | 126              | 200  | 116  | 62   | 46   |
| 90            | 39               | 116  | 139  | 111  | 100  |
| 95            | 101              | 229  | 303  | 262  | 232  |
| 105           | 264              | 416  | 623  | 682  | 641  |
| 115           | 440              | 573  | 809  | 1052 | 1100 |
| 125           | 579              | 720  | 969  | 1216 | 1294 |
| 135           | 681              | 824  | 1105 | 1333 | 1409 |
| 145           | 779              | 880  | 1129 | 1351 | 1435 |
| 155           | 867              | 915  | 1068 | 1194 | 1250 |
| 165           | 932              | 950  | 1008 | 1060 | 1081 |
| 175           | 964              | 967  | 973  | 978  | 982  |
| 180           | 967              | 967  | 967  | 967  | 967  |

### Luminance Data (cd/sq.m)

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 17498            | 8801              | 7048              |
| 55                  | 17100            | 7130              | 5990              |
| 65                  | 16357            | 6014              | 5270              |
| 75                  | 15051            | 5199              | 4422              |
| 85                  | 11586            | 1768              | 536               |

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

## Applications & Certificates

**Construction:** 6063-T6 Extruded aluminum housing. Highly reflective coextruded acrylic reflector with LED protection guard.

**Mounting:** Aircraft cable mounting. Straight aircraft cable that mounts on 4'-0" (1219.2mm) and 8'-0" (2438.4mm) centers. Aircraft Cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies. Refer to installation instructions for appropriate ceiling detail. Canopies are painted white unless otherwise specified.

**LED:** 25°C test environment. Lumen output/wattage has a margin of +/- 5%; 2' lengths may have a greater wattage deviation. 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. L70 = 146,500 hours and L90 = 45,000 hours. MacAdam 3-Step Ellipses. Not all products are Lighting Facts listed. For all available IES files, please visit our website at [pinnacle-ltg.com](http://pinnacle-ltg.com).

**CRI, CCT & Output:** Three lumen packages available. Standard, 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 OL4 in Driver section when 347 volt (3) is selected. Some CHUTE configurations will not accommodate all voltage options; consult with factory.

**Driver:** Standard INTEGRAL Driver Option is EL1. All other driver options will be in remote box. EL1 designed for use with 120v or 277v only. 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 128°F/54°C. When ND is specified, a spec grade driver will be provided. For more driver options, see Pinnacle Resource Guide. Some CHUTE configurations will not accommodate all driver options.

### Remote Mounting Guide (Advance & eldoLED)

Distance limited by max input watts shown, Direct & Indirect should be calculated separately

| Max Distance | 142'    | 107'    | 71'     | 50'     | 37'   |
|--------------|---------|---------|---------|---------|-------|
| 4' Housing   | 4.9w/ft | 6.4w/ft | 9.5w/ft | 13w/ft  | N/A   |
| 8' Housing   | N/A     | 3.1w/ft | 4.8w/ft | 6.9w/ft | 9w/ft |

**Circuiting:** Select from single circuit (1), Multi circuit (M), Emergency circuit (E) or Night Light circuit (N). For emergency circuiting situations that require no through wire or circuit separation, Life Safety Circuit should be selected. This will provide a separate power feed and only the Life Safety Circuit in that section. Some CHUTE 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. Canopies painted to match fixture specified fixture finish. Contact factory for additional custom color and finish options.

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

**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 2108 or 1598 listed depending on product configuration. 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 25 lbs. for a standard 4' fixture.

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