

# SORREL S3D

## 3" Suspended Direct/Indirect Linear

### Specification Features

- Open triangular shape creates unique aesthetic while providing functional output.
- Combined suspension and power cable for clean installation.
- Standard connectors allow the fixtures to move effortlessly throughout the space.
- Direct fixtures distribution changes slightly between A lens and D lens. A lens distribution is 80% direct /20% indirect and D lens is 85% direct /15% indirect.



Example Part #: S3D-A-830HO-26'-CAC48JB-U-FSD-1-0-W

**S3D** - HOUSING - SHIELDING - CRI, CCT & OUTPUT - LENGTH OR PATTERN - MOUNTING - VOLTAGE - REMOTE DRIVER - CIRCUITING - BATTERY & EMERGENCY - FINISH - FIXTURE OPTIONS

| SHIELDING                                                                                                                                                                     | CRI, CCT & OUTPUT <sup>1</sup>                                                                                                                                                                                                                                                                                                                                 | LENGTH OR PATTERN <sup>2</sup>                                                                                                                                                                                                                                                       | MOUNTING <sup>3</sup>                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A</b> - Satine Dual Lens<br><b>D</b> - Diffuse Single Piece Lens<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 Options pg. 2</i>                                                                                                                                                                         | <b>_</b> - Individual Fixture (2', 3', 4', 5', 6', 7' & 8')<br><b>_</b> - Continuous Row<br><b>S</b> - Square<br><b>R_x</b> - Rectangle<br><b>L_x</b> - L-Shape<br><b>U_x_x</b> - U-Shape<br><b>Y_x_x</b> - Y-Shape<br><b>X_x_x_x</b> - X-Shape<br><i>Length and Pattern pg. 2-3</i> | <b>CAC_g</b> - Conductive AC to Grid<br><b>CAC_JB</b> - Conductive AC to J Box<br><i>Mounting pg. 3</i>                                                                                                                                                                                                                                                     |
| VOLTAGE                                                                                                                                                                       | REMOTE DRIVER                                                                                                                                                                                                                                                                                                                                                  | CIRCUITING                                                                                                                                                                                                                                                                           | BATTERY & EMERGENCY <sup>4</sup>                                                                                                                                                                                                                                                                                                                            |
| <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>PL4</b> - Advance Xitanium (1%, 0-10v, 347v)<br><b>OL2</b> - eldoLED Optotronic (1%, 0-10v)<br><b>EE1</b> - eldoLED ECOdrive (1%, 0-10v)<br><b>ES1</b> - eldoLED SOLOdrive (0%, 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 or row)<br><b>N</b> - Night Light (entire fixture or row)<br><i>Circuiting pg. 4</i>                                                                                                                               | <b>0</b> - None<br><b>_FSB</b> - Factory Select Battery<br><b>_PLL</b> - Bodine 10W Battery<br><b>_ILL</b> - Iota 10W Battery<br><b>_FSG</b> - Factory Select ALCR Emergency Control Device<br><b>_GI</b> - Iota ETS DR, Emergency Control Device<br><b>_E</b> - Emergency Section<br><b>_N</b> - Night Light Section<br><i>Battery and Emergency pg. 5</i> |
| FINISH                                                                                                                                                                        | FIXTURE OPTIONS <sup>5</sup>                                                                                                                                                                                                                                                                                                                                   | CONTROLS                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                             |
| <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 use solutions from different manufacturers. Consult factory for more information.</i>                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                             |

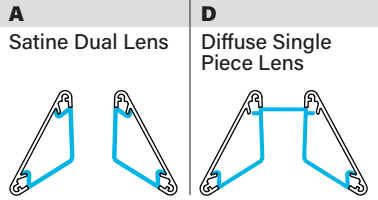
<sup>1</sup>When specifying CRI, CCT & OUTPUT the first \_ is for specifying either 8 - 80CRI or 9 - 90CRI. The ending \_ \_ are for specifying output, example HO - High Output. See output charts for more information. <sup>2</sup>Individual fixtures come in 2', 3', 4', 5', 6', 7', & 8' lengths. Continuous row comes in 1' increments. When specifying patterns specified length will be fixture length. Patterns will be longer then specified length. <sup>3</sup>Specify CAC length standard CAC is 48" Example: CAC48JB. Specify grid: G1=15/16", G9=9/16", GS=Screw Slot. Example: CAC48G1. <sup>4</sup>Enter quantity for Battery and Emergency, Example 1PLL. Emergency and Night Light section will be entire fixture within row. <sup>5</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

- A - Satine Lens should be used when fixture will be more than 24" away from the ceiling
- D - Diffuse Single Piece Lens should be used when fixture will be less than 24" of the ceiling or near a wall



## Output

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI consult factory
- 90 CRI = R9≥50

## Custom Output - Lumens OR Wattage

|         |                                                     |                                                                               |
|---------|-----------------------------------------------------|-------------------------------------------------------------------------------|
| CL_____ | Specify CRI, CCT and desired lumens (i.e. CL835500) | Max lumens approximately 1250 lumens/ft, consult factory for more information |
| CW_____ | Specify CRI, CCT and desired wattage (i.e. CW9407)  | Specify watts between standard offering listed below                          |

### 80 CRI

|       | Color | Output | Lumens<br>per foot | Shielding        |          |                     |          |
|-------|-------|--------|--------------------|------------------|----------|---------------------|----------|
|       |       |        |                    | A<br>Satine Lens |          | D<br>Diffuse Single |          |
|       |       |        |                    | LPW              | Watts/ft | LPW                 | Watts/ft |
| 830LO | 3000K | Low    | 500                | 116              | 4.3      | 122                 | 4.1      |
| 830MO | 3000K | Medium | 750                | 116              | 6.5      | 122                 | 6.1      |
| 830HO | 3000K | High   | 1000               | 117              | 8.6      | 123                 | 8.1      |
| 835LO | 3500K | Low    | 500                | 119              | 4.2      | 125                 | 4.0      |
| 835MO | 3500K | Medium | 750                | 119              | 6.3      | 126                 | 6.0      |
| 835HO | 3500K | High   | 1000               | 120              | 8.3      | 126                 | 7.9      |
| 840LO | 4000K | Low    | 500                | 121              | 4.1      | 127                 | 3.9      |
| 840MO | 4000K | Medium | 750                | 121              | 6.2      | 128                 | 5.9      |
| 840HO | 4000K | High   | 1000               | 122              | 8.2      | 129                 | 7.8      |

### 90 CRI

|       |       |        |      |     |      |     |      |
|-------|-------|--------|------|-----|------|-----|------|
| 927LO | 2700K | Low    | 500  | 95  | 5.3  | 100 | 5.0  |
| 927MO | 2700K | Medium | 750  | 96  | 7.8  | 101 | 7.5  |
| 927HO | 2700K | High   | 1000 | 95  | 10.5 | 100 | 10.0 |
| 930LO | 3000K | Low    | 500  | 98  | 5.1  | 103 | 4.8  |
| 930MO | 3000K | Medium | 750  | 99  | 7.6  | 104 | 7.2  |
| 930HO | 3000K | High   | 1000 | 98  | 10.2 | 103 | 9.7  |
| 935LO | 3500K | Low    | 500  | 100 | 5.0  | 105 | 4.8  |
| 935MO | 3500K | Medium | 750  | 101 | 7.5  | 106 | 7.1  |
| 935HO | 3500K | High   | 1000 | 100 | 10.0 | 105 | 9.5  |
| 940LO | 4000K | Low    | 500  | 103 | 4.9  | 108 | 4.6  |
| 940MO | 4000K | Medium | 750  | 103 | 7.3  | 109 | 6.9  |
| 940HO | 4000K | High   | 1000 | 103 | 9.7  | 108 | 9.3  |

## Length

- All individual units cannot be joined, end plates are factory installed and cannot be removed
- End plates add 4" (2" per end) to the overall length of the fixture/row
- For patterns, refer to Pattern section on next page

| 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 1' |
| 24" (609.6mm)  |                |                |                |                |                |                |                                                                 |
|                | 36" (914.4mm)  |                |                |                |                |                |                                                                 |
|                |                | 48" (1219.2mm) |                |                |                |                |                                                                 |
|                |                |                | 60" (1524mm)   |                |                |                |                                                                 |
|                |                |                |                | 72" (1828.8mm) |                |                |                                                                 |
|                |                |                |                |                | 84" (2133.6mm) |                |                                                                 |
|                |                |                |                |                |                | 96" (2438.4mm) |                                                                 |

Specify to the 1' >>>

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## Patterns

- Specify pattern shape and fixture length
- Length specified will not reflect overall pattern dimensions
- Angles and shapes not shown require MOD Pattern; consult factory
- All connectors are NON ILLUMINATED
- Minimum length for any single part of a pattern is 2'

- All lengths are TO THE FOOT ONLY
- Some connectors require longer lead-times. Angles and Shapes not shown require Mod Pattern; Consult Factory.
- Example part number: S3D-A-835HO-Y8x6x8-CAC48JB-U-FSD-1-0-GR
- Connectors add to the overall length of the pattern

| S_                                                          | R_x_                                                                  | U_x_x_                                                                   | L_x_                                                                | Y_x_x_                                                                   | X_x_x_x_                                                                      | MOD                                                                                                                 |
|-------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Square</b><br>Provide A dimension<br>Example: <b>S4'</b> | <b>Rectangle</b><br>Provide Ax B dimensions<br>Example: <b>R4'x3'</b> | <b>U-Shape</b><br>Provide Ax BxC dimensions<br>Example: <b>U3'x4'x3'</b> | <b>L-Shape</b><br>Provide Ax B dimensions<br>Example: <b>L3'x3'</b> | <b>Y-Shape</b><br>Provide Ax BxC dimensions<br>Example: <b>Y3'x3'x3'</b> | <b>X-Shape</b><br>Provide Ax BxCxD dimensions<br>Example: <b>X3'x3'x3'x3'</b> | <b>Multi Connector Layout</b><br>For patterns other than shown, factory drawing and sign off required with all MODs |
|                                                             |                                                                       |                                                                          |                                                                     |                                                                          |                                                                               |                                                                                                                     |
| Non-illuminated Connector Details                           |                                                                       |                                                                          |                                                                     |                                                                          |                                                                               |                                                                                                                     |
|                                                             |                                                                       |                                                                          |                                                                     |                                                                          |                                                                               |                                                                                                                     |

## Mounting

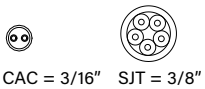
- Adjustable cable. Specify 48", 120", 240", or 350"
- Specify cable length in ordering code
- End plates attached at factory
- Canopies and mounts match fixture finish see Finish section for additional details

- Approved for dry/damp location unless otherwise noted
- Refer to installation instructions during installation
- Maximum fixture weight is 8 lbs for a standard 4' fixture

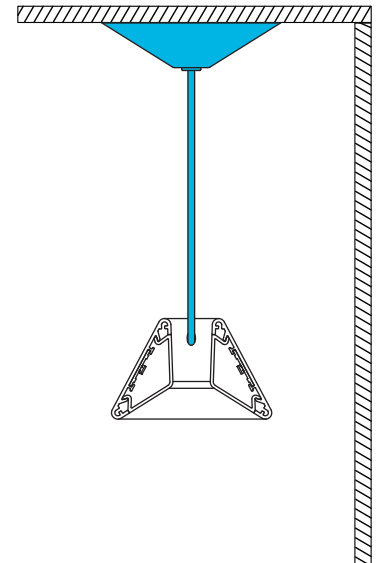
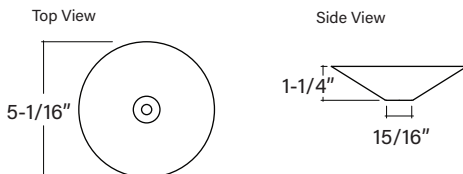
|                |                                                       |
|----------------|-------------------------------------------------------|
| <b>CAC__G_</b> | Conductive AC to Grid (specify grid type: G1, G9, GS) |
| <b>CAC__JB</b> | Conductive AC to Junction Box                         |

### Mounting Details

- CAC is an integrated power and suspension cable that is smaller in diameter than a traditional SJT cable. CAC is 2 or 4 conductive cables and suspension, standard power cable (SJT) is 5 conductive cables and no suspension.



- A larger power side canopy allows for adjustability of the CAC cable inside of the canopy.





## Voltage

- Some SORREL 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  |

## Remote Driver

- Driver count dictated by product configuration
- Standard Driver Option = FSD
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options, see Pinnacle Resource Guide
- Some SORREL configurations will not accommodate all driver options; consult with factory
- Configurations with multiple drivers will require Standard Remote Box

### 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 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                   |

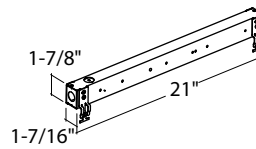
### DALI Drivers

|            |                                                  |
|------------|--------------------------------------------------|
| <b>EE3</b> | eldoLED ECOdrive 1%, DALI 2, Logarithmic, DT6    |
| <b>EE4</b> | eldoLED SOLOdrive 0.1%, DALI 2, Logarithmic, DT6 |

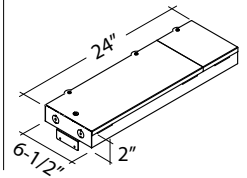
### Lutron Drivers

|            |                                                           |
|------------|-----------------------------------------------------------|
| <b>LH1</b> | Lutron Hi-lume Soft-on, Fade-to-Black 1%, EcoSystem, LDE1 |
|------------|-----------------------------------------------------------|

Slim Remote Box



Standard Remote Box



## How to specify Circuiting, Battery and Emergency

1

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

## Circuiting

|          |                                           |
|----------|-------------------------------------------|
| <b>1</b> | Single Circuit                            |
| <b>E</b> | Emergency Circuit entire fixture or row   |
| <b>N</b> | Night Light Circuit entire fixture or row |



- Battery and emergency options are available in addition to fixture circuit
- Select battery and emergency options below; factory shop drawing required
- Some SORREL configurations will not accommodate all circuiting options, consult with factory
- Configurations with battery or emergency device will require Standard Remote Box

## Battery and/or Emergency

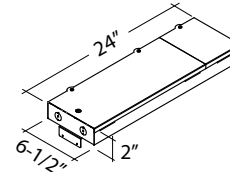
**0** No battery or specific emergency required

### Battery

- Battery is REMOTE
- Select battery 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
- 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 (Self Testing, remote in box) |
| <b>_ILL</b>   | Iota 10W (low profile, remote in box)                |
| <b>_IRC</b>   | Iota 10W (remote with conduit)                       |
| <b>_PLL</b>   | Philips Bodine 10W (low profile, remote in box)      |
| <b>_PRD</b>   | Philips Bodine 10W (remote with conduit)             |

Standard Remote Box



#### 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 REMOTE in driver box
- Select emergency section type if required, indicate total QTY. *Example 1E*
- Combine battery and emergency section ordering codes if both options are selected
- Emergency circuiting sections are for use when specifying emergency options on continuous runs

|             |                                                   |
|-------------|---------------------------------------------------|
| <b>_FSG</b> | Factory Select ALCR Emergency Control Device, UNV |
| <b>_GI</b>  | Iota 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 Integral Battery      Ordering Code: 1-1PLL
- Emergency only, 10w Integral 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/custom color canopy to match fixture) |

### Fixture Options

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

**BA** Buy America(n) Act and/or Build America Buy America Compliant

### Controls

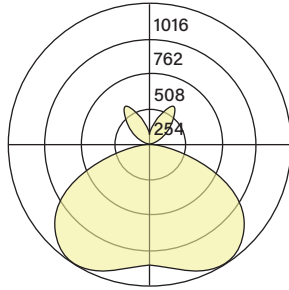
- Pinnacle is able to use solutions from different manufacturers. Consult factory for more information.



## Photometrics

### Satine Dual Lens

Test # REP-103123-01-V1  
Catalog # S3D-A-840HO  
Lumens 4015  
Watts 32.8  
Efficacy 122.4

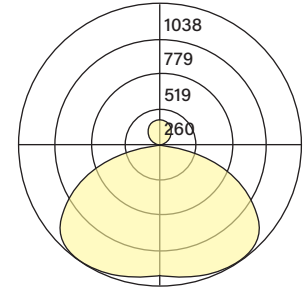


Distribution is 82% direct /  
18% indirect

Recommended for mounting  
distances of 24" or more

### Diffuse Single Piece Lens

Test # REP-021423-02  
Catalog # S3D-D-840HO  
Lumens 4069  
Watts 31.8  
Efficacy 128.1



Distribution is 87% direct /  
13% indirect

Recommended for mounting  
distances of 24" or less

### Candela Distribution

| Vert Angle | Horizontal Angle | 0   | 22.5 | 45  | 67.5 | 90  |
|------------|------------------|-----|------|-----|------|-----|
| 0          | 878              | 878 | 878  | 878 | 878  | 878 |
| 5          | 872              | 877 | 879  | 883 | 890  |     |
| 15         | 841              | 865 | 904  | 934 | 953  |     |
| 25         | 783              | 836 | 915  | 973 | 1005 |     |
| 35         | 699              | 786 | 905  | 972 | 1001 |     |
| 45         | 589              | 715 | 840  | 883 | 899  |     |
| 55         | 463              | 611 | 702  | 718 | 728  |     |
| 65         | 324              | 464 | 525  | 494 | 481  |     |
| 75         | 173              | 273 | 258  | 241 | 230  |     |
| 85         | 46               | 61  | 39   | 27  | 25   |     |
| 90         | 3                | 3   | 3    | 2   | 2    |     |
| 95         | 12               | 13  | 9    | 7   | 7    |     |
| 105        | 22               | 67  | 41   | 35  | 33   |     |
| 115        | 31               | 137 | 101  | 82  | 76   |     |
| 125        | 40               | 178 | 186  | 156 | 146  |     |
| 135        | 48               | 189 | 266  | 244 | 232  |     |
| 145        | 55               | 162 | 286  | 315 | 310  |     |
| 155        | 62               | 130 | 216  | 275 | 296  |     |
| 165        | 66               | 97  | 145  | 177 | 191  |     |
| 175        | 68               | 72  | 78   | 85  | 90   |     |
| 180        | 69               | 69  | 69   | 69  | 69   |     |

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

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|------------------|---------------|----------------|----------------|
| 45               | 8962          | 12780          | 13669          |
| 55               | 8672          | 13168          | 13641          |
| 65               | 8249          | 13371          | 12229          |
| 75               | 7174          | 10734          | 9546           |
| 85               | 5636          | 4836           | 3033           |

### Candela Distribution

| Vert Angle | Horizontal Angle | 0    | 22.5 | 45   | 67.5 | 90  |
|------------|------------------|------|------|------|------|-----|
| 0          | 998              | 998  | 998  | 998  | 998  | 998 |
| 5          | 990              | 1000 | 996  | 1002 | 998  |     |
| 15         | 958              | 981  | 1001 | 1024 | 1028 |     |
| 25         | 894              | 938  | 985  | 1026 | 1038 |     |
| 35         | 804              | 867  | 944  | 999  | 1019 |     |
| 45         | 686              | 771  | 871  | 927  | 945  |     |
| 55         | 546              | 652  | 750  | 774  | 779  |     |
| 65         | 389              | 499  | 552  | 532  | 522  |     |
| 75         | 223              | 302  | 282  | 259  | 249  |     |
| 85         | 67               | 66   | 42   | 31   | 27   |     |
| 90         | 0                | 0    | 0    | 0    | 0    |     |
| 95         | 14               | 8    | 4    | 3    | 3    |     |
| 105        | 43               | 36   | 25   | 19   | 18   |     |
| 115        | 74               | 68   | 60   | 51   | 49   |     |
| 125        | 105              | 100  | 91   | 85   | 83   |     |
| 135        | 133              | 129  | 123  | 117  | 115  |     |
| 145        | 156              | 154  | 149  | 145  | 144  |     |
| 155        | 174              | 173  | 170  | 168  | 166  |     |
| 165        | 187              | 187  | 185  | 184  | 183  |     |
| 175        | 193              | 195  | 193  | 193  | 193  |     |
| 180        | 195              | 195  | 195  | 195  | 195  |     |

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

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|------------------|---------------|----------------|----------------|
| 45               | 9179          | 11658          | 12637          |
| 55               | 9000          | 12369          | 12851          |
| 65               | 8699          | 12362          | 11678          |
| 75               | 8148          | 10290          | 9110           |
| 85               | 7293          | 4559           | 2973           |

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 die-formed white painted reflector.

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

**Mounting:** Conductive aircraft cable mount available. Power mount supplied with conductive aircraft cable and round 5" diameter canopy. Non-power supplied with aircraft cable and 2" (50.8mm) canopy. Refer to installation instructions for appropriate ceiling detail.

**LED:** 25°C test environment. Lumen output/wattage has a margin of +/- 5%; 2' or 3' 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. Lifetime Projection L70 = 276,000 hours and L90 = 83,800 hours. MacAdam 3-Step Ellipses. For all available IES files, please visit our website at [pinnacle-ltg.com](http://pinnacle-ltg.com).

**CRI, CCT & Output:** Not all lumen packages available. Three lumen packages available. Low (LO), Medium (MO), High (HO). 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 SORREL 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 98°F/37°C. For more driver options, see Pinnacle Resource Guide. Some SORREL configurations will not accommodate all driver options.

### Remote Mounting Guide

Distance limited by max input watts shown.

| Max Distance | 56'     | 42'     | 28'     | 20'      | 15'      |
|--------------|---------|---------|---------|----------|----------|
| 4' Housing   | 4.0w/ft | 5.3w/ft | 7.9w/ft | 11.0w/ft | 14.3w/ft |
| 8' Housing   | N/A     | 2.6w/ft | 3.9w/ft | 5.4w/ft  | 7.3w/ft  |

**Circuiting:** Select from Single circuit (1), Emergency circuit (E) or Night Light circuit (N). Housings cannot be split into multiple circuits. Some SORREL 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. Standard battery and emergency device options will be installed in standard remote box. 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:** Consult 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 Listed. Low, Medium and High Output lumen packages are approved for dry/damp location unless otherwise noted.

**Fixture Weight:** Maximum fixture weight is 8 lbs for a standard 4' fixture.

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