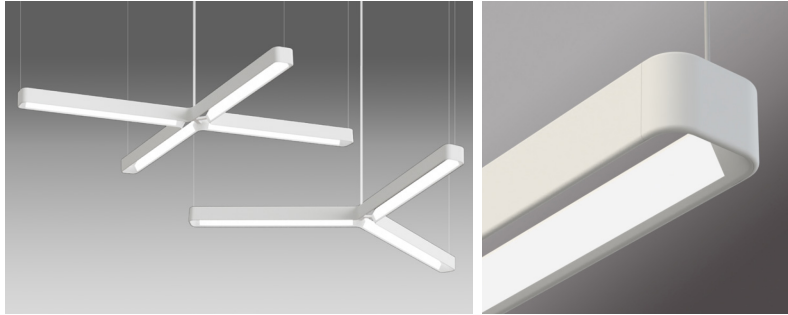




# SORREL FORMS

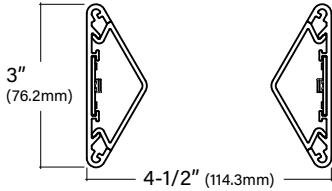
## S3NF

Y and X Suspended Direct/Indirect Form



### Key Features

- Open triangular shape creates unique aesthetic while providing functional output
- One-piece housing forms in 90° 4-leg (X) and 120° 3-leg (Y)
- Combined suspension and power cable for clean installation
- Neutral fixture distribution is 50% direct /50% indirect.



Example Part #: S3NF-835HO-X3-CAC48JB-U-FSD-1-0-W

**S3NF** - HOUSING - CRI, CCT & OUTPUT - FORM - MOUNTING - VOLTAGE - REMOTE DRIVER - CIRCUITING - BATTERY & EMERGENCY - FINISH

| CRI, CCT & OUTPUT <sup>1</sup>                                                                                                                                           | LENGTH OR PATTERN                                                                                                                                                                | MOUNTING <sup>2</sup>                                                                                        | VOLTAGE                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <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>Output pg. 2</i> | <b>Y2</b> - Y Shape with 2' legs<br><b>Y3</b> - Y Shape with 3' legs<br><b>X2</b> - X Shape with 2' legs<br><b>X3</b> - X Shape with 3' legs<br><i>Length or 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> | <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> |

| REMOTE DRIVER                                                                                                                                                                                                                                                                                                                                                   | CIRCUITING                                                                                                                                                 | REMOTE BATTERY & EMERGENCY <sup>3</sup>                                                                                                                                                                                                                         | FINISH                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 ECODErive (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 ( <i>entire fixture</i> )<br><b>N</b> - Night Light ( <i>entire fixture</i> )<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<br><b>_GI</b> - Iota ETS DR<br><b>_GB</b> - Bodine GTD<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> |

| FIXTURE OPTIONS <sup>4</sup>                                                                              | CONTROLS                                                                                                     |
|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <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>Use \_ to specify cable length standard AC is **48"**, or **120"**; Specify grid: **G1**=15/16", **G9**=9/16" or **GS**=Screw Slot. Example: CAC48G1. <sup>3</sup>All Battery and Emergency options are REMOTE. Enter quantity for Battery and Emergency, Example 1PLL. Emergency and Night Light will be entire fixture. <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.



## Output

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI consult factory
- 90 CRI = R9≥61

## Custom Output - Lumens OR Wattage

|                 |                                                      |                                                                                                  |
|-----------------|------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>CL</b> _____ | Specify CRI, CCT and desired lumens (i.e. CL8405500) | Max lumens: 1,100lm/ft. Max lumens dependent on color temp. Consult factory for more information |
| <b>CW</b> _____ | Specify CRI, CCT and desired wattage (i.e. CW94032)  | Max watts: 10.5w/ft. Consult factory for more information                                        |

## A Lens - 80 CRI

|              | Color | Lumens per/ft | A Lens Output¹            |     |       |                           |     |       |                           |     |       |                           |     |       |
|--------------|-------|---------------|---------------------------|-----|-------|---------------------------|-----|-------|---------------------------|-----|-------|---------------------------|-----|-------|
|              |       |               | Y2 - Y shape with 2' legs |     |       | Y3 - Y shape with 3' legs |     |       | X2 - X shape with 2' legs |     |       | X3 - X shape with 3' legs |     |       |
|              |       |               | Lumens                    | LPW | Watts | Lumens                    | LPW | Watts | Lumens                    | LPW | Watts | Lumens                    | LPW | Watts |
| <b>830LO</b> | 3000K | 500           | 3000                      | 122 | 24.6  | 4500                      | 122 | 36.9  | 4000                      | 122 | 32.8  | 6000                      | 122 | 49.3  |
| <b>830MO</b> | 3000K | 750           | 4500                      | 122 | 36.9  | 6750                      | 122 | 55.4  | 6000                      | 122 | 49.3  | 9000                      | 122 | 73.9  |
| <b>830HO</b> | 3000K | 1000          | 6000                      | 123 | 48.8  | 9000                      | 123 | 73.2  | 8000                      | 123 | 65.1  | 12000                     | 123 | 97.7  |
| <b>835LO</b> | 3500K | 500           | 3000                      | 125 | 24.0  | 4500                      | 125 | 36.0  | 4000                      | 125 | 32.0  | 6000                      | 125 | 48.0  |
| <b>835MO</b> | 3500K | 750           | 4500                      | 125 | 35.9  | 6750                      | 125 | 53.8  | 6000                      | 125 | 47.8  | 9000                      | 125 | 71.8  |
| <b>835HO</b> | 3500K | 1000          | 6000                      | 126 | 47.5  | 9000                      | 126 | 71.3  | 8000                      | 126 | 63.4  | 12000                     | 126 | 95.0  |
| <b>840LO</b> | 4000K | 500           | 3000                      | 127 | 23.6  | 4500                      | 127 | 35.4  | 4000                      | 127 | 31.5  | 6000                      | 127 | 47.2  |
| <b>840MO</b> | 4000K | 750           | 4500                      | 127 | 35.3  | 6750                      | 127 | 52.9  | 6000                      | 127 | 47.1  | 9000                      | 127 | 70.6  |
| <b>840HO</b> | 4000K | 1000          | 6000                      | 128 | 46.7  | 9000                      | 128 | 70.1  | 8000                      | 128 | 62.3  | 12000                     | 128 | 93.5  |

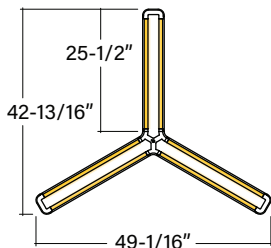
## A Lens - 90 CRI (longer lead times may apply, consult factory)

|              |       |      |      |     |      |      |     |      |      |     |      |       |     |       |
|--------------|-------|------|------|-----|------|------|-----|------|------|-----|------|-------|-----|-------|
| <b>927LO</b> | 2700K | 500  | 3000 | 100 | 30.1 | 4500 | 100 | 45.1 | 4000 | 100 | 40.1 | 6000  | 100 | 60.1  |
| <b>927MO</b> | 2700K | 750  | 4500 | 100 | 44.8 | 6750 | 100 | 67.2 | 6000 | 100 | 59.7 | 9000  | 100 | 89.6  |
| <b>927HO</b> | 2700K | 1000 | 6000 | 100 | 60.2 | 9000 | 100 | 90.2 | 8000 | 100 | 80.2 | 12000 | 100 | 120.3 |
| <b>930LO</b> | 3000K | 500  | 3000 | 103 | 29.1 | 4500 | 103 | 43.7 | 4000 | 103 | 38.8 | 6000  | 103 | 58.2  |
| <b>930MO</b> | 3000K | 750  | 4500 | 104 | 43.3 | 6750 | 104 | 65.0 | 6000 | 104 | 57.8 | 9000  | 104 | 86.7  |
| <b>930HO</b> | 3000K | 1000 | 6000 | 103 | 58.1 | 9000 | 103 | 87.2 | 8000 | 103 | 77.5 | 12000 | 103 | 116.2 |
| <b>935LO</b> | 3500K | 500  | 3000 | 105 | 28.6 | 4500 | 105 | 42.9 | 4000 | 105 | 38.2 | 6000  | 105 | 57.2  |
| <b>935MO</b> | 3500K | 750  | 4500 | 106 | 42.6 | 6750 | 106 | 63.9 | 6000 | 106 | 56.8 | 9000  | 106 | 85.2  |
| <b>935HO</b> | 3500K | 1000 | 6000 | 105 | 57.1 | 9000 | 105 | 85.7 | 8000 | 105 | 76.2 | 12000 | 105 | 114.3 |
| <b>940LO</b> | 4000K | 500  | 3000 | 108 | 27.9 | 4500 | 108 | 41.8 | 4000 | 108 | 37.2 | 6000  | 108 | 55.8  |
| <b>940MO</b> | 4000K | 750  | 4500 | 108 | 41.5 | 6750 | 108 | 62.3 | 6000 | 108 | 55.4 | 9000  | 108 | 83.0  |
| <b>940HO</b> | 4000K | 1000 | 6000 | 108 | 55.6 | 9000 | 108 | 83.5 | 8000 | 108 | 74.2 | 12000 | 108 | 111.3 |

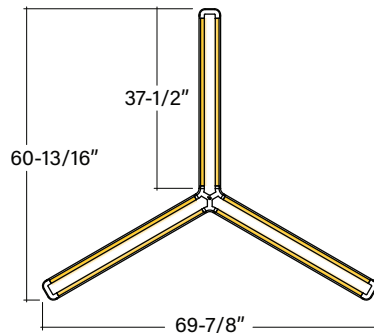
¹Lumens and watts based off 48" fixture size.

## Form

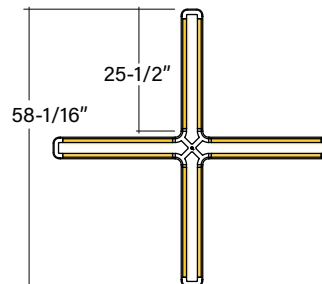
Y2



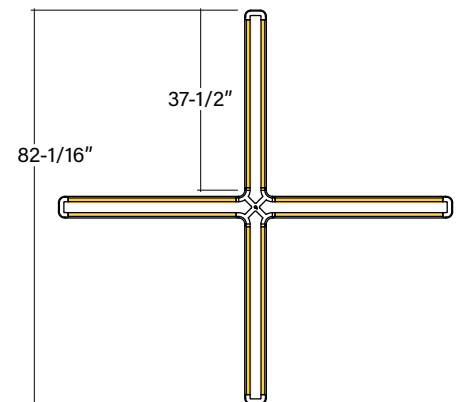
Y3



X2



X3





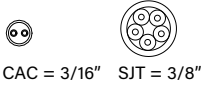
## Mounting

- Specify cable length in ordering code (CAC48G1)
- Standard specifiable lengths are 48" or 120", consult factory for longer lengths
- End plates and power cord attached at factory
- Canopies are painted to match fixture finish, power cords are white or black depending on fixture finish. See Finish section for additional details

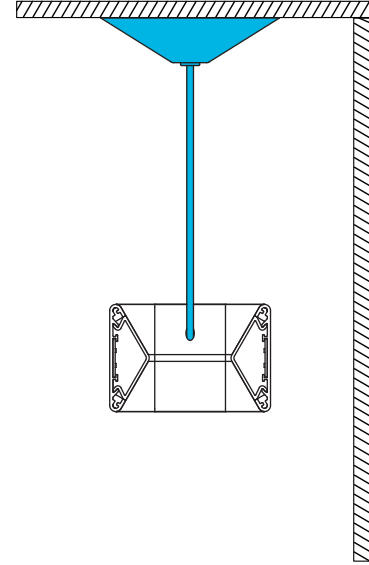
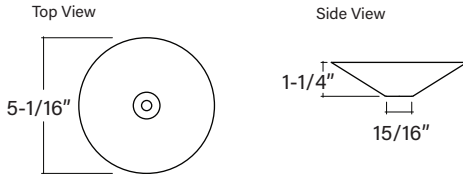
|                  |                                    |
|------------------|------------------------------------|
| <b>CAC __ G1</b> | Conductive AC to 1" (15/16") T-Bar |
| <b>CAC __ G9</b> | Conductive AC to 9/16" T-Bar       |
| <b>CAC __ GS</b> | Conductive AC to Screw Slot T-Bar  |
| <b>CAC __ 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  |

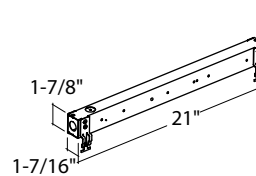
## Remote Driver

- Standard Driver Option = FSD 1% dimming, 0-10v
- Driver count dictated by product configuration
- 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

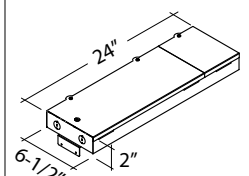
- eldoLED Optotronic and Lutron Drivers have a remote distance limitation of 10'
- eldoLED ECOdrive/SOLOdrive and Advance Drivers have an average remote distance limitation of 50'. Consult Factory for specific configurations
- REMOTE BOX(ES) CONFIGURATIONS DEPENDANT ON LUMEN PACKAGE AND FORM SIZE. Contact factory for more information

| 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>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 |

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
- Section wiring not available within an individual Form. Emergency circuit and Nightlight circuit options are for designation purposes only.

### Circuiting

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

2

+

3

- 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

|          |                                                   |
|----------|---------------------------------------------------|
| <b>0</b> | No battery or specific emergency section required |
|----------|---------------------------------------------------|

### Battery

- Battery is REMOTE
- Battery operates between 1-4 fixture legs depending on fixture shape and size. For approx. battery lumen output, multiply battery wattage and fixture LPW shown on lumen table.
- Select battery type if required, indicate total QTY. Example 2PLL

|               |                                                                 |
|---------------|-----------------------------------------------------------------|
| <b>_FSB</b>   | Factory Select Battery 10W <i>(remote in box)</i>               |
| <b>_FSBST</b> | Factory Select Battery 10w, Self Testing <i>(remote in box)</i> |
| <b>_ILL</b>   | Iota 10w Lithium, Self Testing <i>(remote in box)</i>           |
| <b>_IRC</b>   | Iota 10w Dual conduit flex <i>(remote with conduit)</i>         |
| <b>_PLL</b>   | Bodine 10w Lithium, Self Testing <i>(remote in box)</i>         |
| <b>_PRD</b>   | Bodine 10w Dual conduit flex <i>(remote with conduit)</i>       |

- 90 minute battery runtime; test button is remote to fixture
- PLL and ILL not available with VHO and 927HO
- For more battery options available, see [Pinnacle Resource Guide](#)

#### For Approximate Battery Lumen Output

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

### Emergency

- Emergency is REMOTE
- Select emergency type if required, indicate total quantity. Example 1E
- Emergency or Night Light will be entire fixture

|             |                                                    |
|-------------|----------------------------------------------------|
| <b>_FSG</b> | Factory Select ALCR, Emergency Control Device, UNV |
| <b>_GI</b>  | Iota ETS-DR, Emergency Control Device, UNV         |
| <b>_GB</b>  | Bodine GTD, Emergency Control Device, 120v or 277v |

#### Battery OR Emergency Ordering Examples

- |                                |                       |
|--------------------------------|-----------------------|
| • Single circuit, 10w battery  | Ordering Code: 1-1PLL |
| • Emergency only, 10w 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/custom color canopy to match fixture)</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 use 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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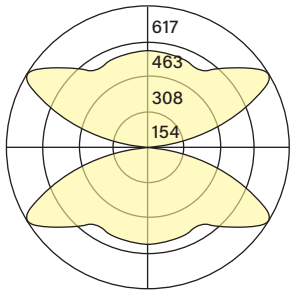
S3NF\_LED\_SPEC\_SEPTEMBER2025



Photometrics

Satine Lens

|           |               |
|-----------|---------------|
| Test #    | REP-052322-02 |
| Catalog # | S3N-840HO     |
| Lumens    | 3868          |
| Watts     | 30.4          |
| Efficacy  | 127.2         |



Distribution is 50% direct /  
50% indirect

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:** 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%. Luminaire configurations tested in accordance with IES LM-79. Diodes tested in accordance with IES LM-80. Lifetime calculated using IES TM-21. TM-21-21 Lifetime Rating L70 = >102,000 hours, L90 = 60,600 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) and 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 0-10V, 1%. 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 (Advance & eldoLED ECODrive/SOLOdrive)

| Max Distance | 50'                                                      | 50'+                                    |
|--------------|----------------------------------------------------------|-----------------------------------------|
| Y2/Y3/X2/X3  | All configurations<br>(16 ga or larger wire recommended) | Contact factory if more than 50' needed |

**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 22 lbs

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