

COVE

Architectural Cove Mount

Key Features

- Toolless 3 position adjustable head
- Integral Driver
- Wiring Quick Connection for rows
- 5-year limited warranty covers LED, driver and fixture
- UL and cUL listed.
- Approved for dry/damp location unless otherwise noted
- Maximum fixture weight is 10 lbs per 4ft fixture
- Room-Side Maintenance for LED system
- Buy American Act compliant



QUICKSHIP



Example Part #: C-830HO-26'-CV-U-OL2-1-0-N

C - CRI, CCT & OUTPUT - LENGTH - **CV** - MOUNTING - VOLTAGE - DRIVER - CIRCUITING - BATTERY & EMERGENCY - **N** - FINISH - FIXTURE OPTIONS - CONTROLS

| ----- | | ----- | | CV |
|--|--|--|--|--|
| CRI, CCT & OUTPUT <i>QS</i> ¹ | | LENGTH ² | | MOUNTING |
| <i>27</i> ____ - 2700K <i>30</i> ____ - 3000K <i>35</i> ____ - 3500K <i>40</i> ____ - 4000K CL ____ - Custom Lumens CW ____ - Custom Watts <i>Lumen Output pg. 2</i> <i>Example: 830HO is 8 = 80 CRI; 30 = 3000K;</i> <i>HO = High Output; Blank = Standard Output</i> | | <i>__</i> - Individual Fixture <i>__</i> - Continuous Row <i>Length and Pattern pg. 2-3</i> | | CV - Cove <i>QS</i> <i>Mounting pg. 3</i> |
| ----- | | ----- | | — |
| VOLTAGE | | DRIVER | | CIRCUITING |
| U - Universal <i>QS</i> <i>(120 thru 277V)</i> 1 - 120V <i>QS</i> 2 - 277V <i>QS</i> 3 - 347V <i>Voltage pg. 3</i> | | FSD - Factory Select Driver <i>(1%, 0-10v)</i> <i>QS</i> PL2 - Advance Xitanium <i>(1%, 0-10v)</i> <i>QS</i> OL4 - Osram 347v <i>(1%, 0-10v)</i> EE1 - eldoLED ECOdrive <i>(1%, 0-10v)</i> ES1 - eldoLED ECOdrive <i>(1%, 0-10v)</i> LH1 - Lutron Hi-lume <i>(1%, EcoSystem)</i> PS1 - Advance Xitanium <i>(50%/100%)</i> OL2 - Osram <i>(1%, 0-10v)</i> <i>QS</i> <i>Driver pg. 3</i> | | 1 - Single Circuit <i>QS</i> E - Emergency <i>QS</i> <i>(entire fixture)</i> N - Night Light <i>QS</i> <i>(entire fixture)</i> <i>Circuiting pg. 4</i> |
| --- | | N | -- | |
| BATTERY & EMERGENCY ³ | | FINISH | FIXTURE OPTIONS ⁴ | |
| 0 - None <i>QS</i> FSG - Factory Select ALCR GI - Iota ETS DR GB - Bodine GTD ILL - Iota 10w Integral <i>(low profile)</i> <i>QS</i> PLL - Bodine 10w Integral <i>(low profile)</i> <i>Battery and Emergency pg. 4</i> | | N - Natural <i>QS</i> <i>Finish pg. 4</i> | QS - QuickShip <i>QS</i> DSP - Customer Supplied Battery/Driver/ Sensor <i>Fixture Options pg. 4</i> | |
| | | | <i>Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.</i> | |

When specifying SOURCE the first _ is for specifying either 8 - 80CRI, 9 - 90CRI or B - BIOS. The ending _ are for specifying output, example HO - High Output. When specifying BIOS use B and then specify color temperature, either 3500K or 4000K, and output, example B35HO - BIOS 3500K High Output. If specifying QS output is 80 CRI, all color temperatures, all lumen packages. Does not include BIOS or Tunable White. See output charts for more information. BIOS dynamic available, please contact 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.



CRI, CCT & Output

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory
- 80 CRI = R9≥19 and 90 CRI = R9≥61

Custom Output- Lumens OR Wattage

| | | |
|-----------------|---|--|
| CL _____ | Specify CRI, CCT and desired lumens (i.e. CL835500) | Specify lumens between standard offering listed below. Lumens are specified per color temp |
| CW _____ | Specify CRI, CCT and desired wattage (i.e. CW9407) | Specify watts between standard offering listed below |

80 CRI

| | Color | Lumens per foot | LPW | Watts/ft |
|---------------|-------|--------------------|-------|----------|
| 830LO | 3000K | 500 | 111.0 | 4.5 |
| 830MO | 3000K | 750 | 109.5 | 6.8 |
| 830HO | 3000K | 1000 | 106.3 | 9.4 |
| 830VHO | 3000K | 1250 | 105.5 | 11.8 |
| 835LO | 3500K | 500 | 114.2 | 4.4 |
| 835MO | 3500K | 750 | 112.7 | 6.7 |
| 835HO | 3500K | 1000 | 109.4 | 9.1 |
| 835VHO | 3500K | 1250 | 108.6 | 11.5 |
| 840LO | 4000K | 500 | 115.6 | 4.3 |
| 840MO | 4000K | 750 | 113.0 | 6.6 |
| 840HO | 4000K | 1000 | 110.2 | 9.1 |
| 840VHO | 4000K | 1250 | 109.9 | 11.4 |

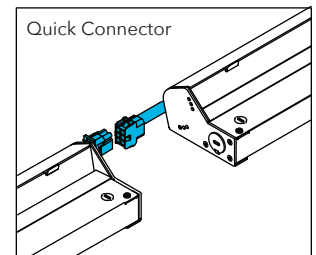
90 CRI

| | | | | |
|--------------|-------|------|------|------|
| 927LO | 2700K | 500 | 93.3 | 5.4 |
| 927MO | 2700K | 750 | 91.4 | 8.2 |
| 927HO | 2700K | 1000 | 91.2 | 11.0 |
| 930LO | 3000K | 500 | 96.7 | 5.2 |
| 930MO | 3000K | 750 | 94.9 | 7.9 |
| 930HO | 3000K | 1000 | 94.5 | 10.6 |
| 935LO | 3500K | 500 | 98.8 | 5.1 |
| 935MO | 3500K | 750 | 97.1 | 7.7 |
| 935HO | 3500K | 1000 | 96.6 | 10.4 |
| 940LO | 4000K | 500 | 98.1 | 5.1 |
| 940MO | 4000K | 750 | 96.3 | 7.8 |
| 940HO | 4000K | 1000 | 95.9 | 10.4 |

Length

- Continuous Rows are made up of even and odd length fixtures
- If ordering single circuit as a row fixtures will come with quick connectors, first and last fixture will have one connector, middle fixtures will have one per end

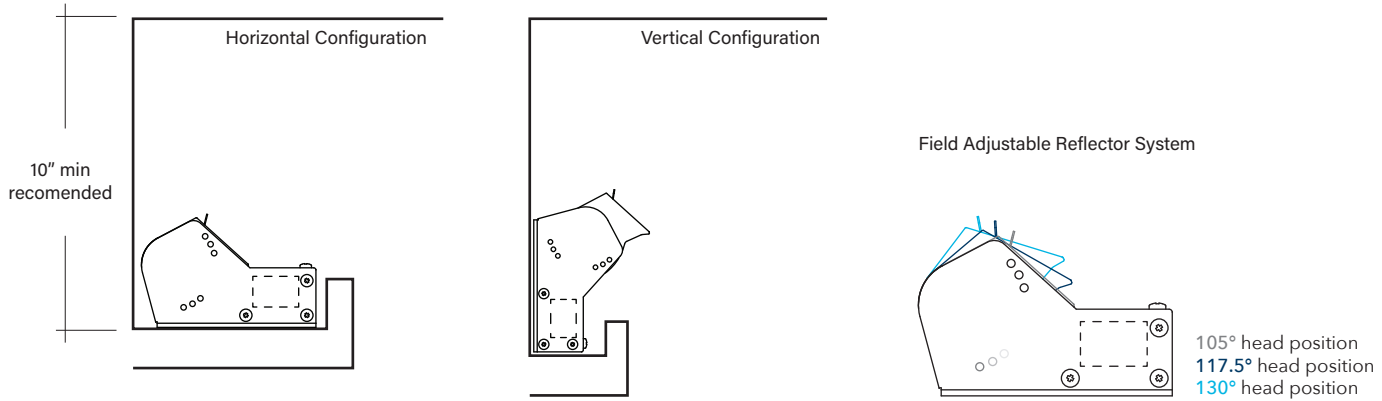
| 2 | 3 | 4 | 6 | 8 | — |
|-----------------------|-----------------|------------------|------------------|------------------|--|
| Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | Cont. Run |
| 24-3/8" (619mm) | | | | | Specify nominal overall row length to the 1' |
| | 36-3/8" (924mm) | | | | |
| | | 48-3/8" (1229mm) | | | |
| | | | 72-3/8" (1838mm) | | |
| | | | | 96-3/8" (2448mm) | |
| Specify to the 1' >>> | | | | | |





Mounting

- Minimum recommended height of 10"
- Field adjustable reflector system has 3 positions 105°, 117.5°, and 130°
- Approved for dry/damp location unless otherwise noted
- Maximum fixture weight is 10lbs per 4ft fixture



Voltage

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

| | |
|----------|-----------|
| U | Universal |
| 1 | 120 volt |
| 2 | 277 volt |
| 3 | 347 volt |

Driver

- Standard Driver Option = PL2
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options see Pinnacle Resource Guide
- Some Cove configurations will not accommodate all driver options; consult with factory

| 0-10V Drivers | |
|-------------------|---|
| FSD | Factory Select Driver 1%, 0-10v |
| PL2 | Signify Advance Xitanium 1%, 0-10v |
| PL4 | Advance Xitanium 347v 1%, 0-10v, requires 347v |
| OL2 | Osram Optotronic, 1%, 0-10v |
| OL4 | Osram Optotronic 347v, 1% 0-10v, requires 347v option |
| EE1 | eldoLED ECOdrive 1%, 0-10v Logarithmic |
| EE2 | eldoLED ECOdrive 1%, 0-10v Linear |
| ES1 | eldoLED SOLOdrive 0-10v, 0% Logarithmic |
| ES2 | eldoLED SOLOdrive 0-10v, 0% Linear |
| DALI Drivers | |
| EE3 | eldoLED SOLOdrive .1%, DALI (logarithmic) |
| EE4 | eldoLED SOLOdrive .1%, DALI (linear) |
| OD1 | Osram Optotronic 1%, DEXAL |
| OD2 | Osram Optotronic 1%, DALI 2 Channel |
| Lutron Drivers | |
| LH1 | Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1 |
| LH4 | Lutron Hi-Lume 1%, 2-wire, Lutron-LTEA2W, 120v only |
| Alternate Drivers | |
| PS1 | Signify Advance Xitanium Step Dimming 50%/100% |
| EH1 | ELV 120v only, 0-10v universal |

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C_LED_SPEC_JULY2022



How to specify Circuiting, Battery and Emergency

- 1**
- Select fixture circuiting from options below
 - Some Cove configurations will not accommodate all circuiting options, consult with factory

Circuiting

| | |
|----------|--------------------------|
| 1 | Single Circuit |
| E | Emergency Circuit only |
| N | Night Light Circuit only |

- 2** + **3**
- Battery and emergency section options are available in addition to fixture circuit
 - Select battery and emergency section options below; factory shop drawing required
 - Some EV3D configurations will not accommodate all circuiting options, consult with factory

Battery and/or Emergency *If Required*

| | |
|----------|-----------------------------|
| 0 | No battery section required |
|----------|-----------------------------|

Battery

- Select battery section type if required, indicate total QTY. Example 2P
- 90 minute battery runtime; test button is integral to fixture
- No battery option available for 2' lengths
- Entire fixture housing is on battery for lengths up to 4'
- For more battery options available, see Pinnacle Resource Guide

| | |
|-------------|---|
| 0 | No Battery |
| _ILL | Iota 10w Integral Lithium, Self Testing |
| _IRH | Iota 20w Remote |
| _PLL | Bodine 10w Integral Lithium, Self Testing |
| _PRH | Bodine 20w Remote |

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

- Select emergency section type if required, indicate total QTY. Example 1E
- Combine battery and emergency section ordering codes if both options are selected

| | |
|-------------|---|
| _FSG | Factory Select ALCR, Automatic Load Control Relay |
| _GI | Iota ETS DR, Emergency Lighting Control Device |
| _GB | Bodine GTD, Emergency Lighting Control Device |

Battery OR Emergency Ordering Examples

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

Finish

- Unpainted aluminum natural metal finish

| | |
|----------|---------|
| N | Natural |
|----------|---------|



Fixture Options

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

| | |
|------------|---|
| QS | Quick Ship |
| DSP | Customer Supplied Battery/Driver/Sensor |

Quick Ship

| CRI, CCT & Output | Voltage | Driver | Circuiting | Battery |
|--|---|--|--|--|
| 80 CRI, all color temperatures, all lumen packages See pg 2 | U 1 2 Universal (120-277) 120V 277V | FSD PL2 OL2 Factory Select Driver (1%, 0-10v) Advance Xitanium 0-10v, 1% Osram 0-10v, 1% | 1 E N Single Circuit Emergency Night Light | 0 _ILL None lota 10w Integral |

All lengths and continuous rows up to 1,000 ft OR 150 individual fixtures. Consult factory for larger projects.

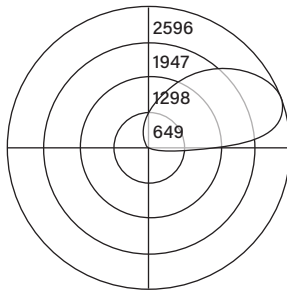
Controls

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

Photometrics

Satine Lens

| | |
|-----------|------------|
| Test # | ITL91222 |
| Catalog # | C-840VHO-4 |
| Lumens | 4774 lm |
| Watts | 43 W |
| Efficacy | 111 LPW |



Candela Distribution

| Vert Angle | Horizontal Angle | | | | |
|------------|------------------|------|-----|-----|-----|
| | 0 | 45 | 90 | 135 | 180 |
| 65 | 0 | 0 | 0 | 0 | 0 |
| 90 | 1350 | 883 | 0 | 0 | 0 |
| 95 | 1972 | 1281 | 37 | 0 | 0 |
| 105 | 2504 | 1628 | 131 | 0 | 0 |
| 115 | 2589 | 1679 | 229 | 0 | 0 |
| 125 | 2433 | 1615 | 325 | 13 | 0 |
| 135 | 2167 | 1496 | 410 | 56 | 17 |
| 145 | 1825 | 1320 | 481 | 115 | 65 |
| 155 | 1436 | 1111 | 534 | 195 | 137 |
| 165 | 1058 | 895 | 569 | 337 | 277 |
| 175 | 731 | 687 | 587 | 499 | 468 |
| 180 | 589 | 589 | 589 | 589 | 589 |

Luminance Data (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|------------------|---------------|----------------|----------------|
| 45 | 0 | 0 | 0 |
| 55 | 0 | 0 | 0 |
| 65 | 0 | 0 | 0 |
| 75 | 5372 | 705 | 0 |
| 85 | 18952 | 15049 | 0 |

For all available IES files, please visit our website at pinnacle-ltg.com. Photometry testing in accordance to IESNA-LM-79-08 at an NVLAP accredited testing laboratory. Testing conducted at 25°C ambient conditions

Applications & Certificates

Construction: Formed aluminum housing. Highly reflective extruded white painted aluminum reflector.

Shielding: Diffuse snap-in clear lens, removable for maintenance.

Mounting: Cove is designed to install into architectural cove structures. Recommended 10" minimum cove height. Consult factory for detailed installation instructions. Maximum fixture weight is 10lbs per 4' fixture.

LED: 25°C test environment. Lumen output/wattage has a margin of +/- 5%. All 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 = 115,850 hours and L90 = 34,500 hours. MacAdam 3-Step Ellipses. For all available IES files, please visit our website at pinnacle-ltg.com.

CRI, CCT & Lumen Output: Four lumen packages available. Low (LO), Medium (MO), High (HO) and Very High (VHO). Custom outputs are available. Specify custom lumens or watts between standard offering listed on CRI, CCT & Output page. 80 CRI is available for 3000K, 3500K, and 4000K. 90 CRI is available for 2700K, 3000K, 3500K, and 4000K. 80 CRI = R9≥19 and 90 CRI = R9≥61.

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 Cove configurations will not accommodate all voltage options; consult with factory.

Driver: Standard Driver Option is Advance Xitanium 0-10V, 1% = PL2. 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 81°F/27°C. For more driver options, see Pinnacle Resource Guide. Some Cove configurations will not accommodate all driver options.

Circuiting: Select from single circuit (1), Emergency circuit (E), or Night Light circuit (N). Some Cove 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 integral to fixture. For more Battery options, see Pinnacle Resource Guide.

Finish: Raw Aluminum with natural metal finish.

Controls: Consult factory.

Labels: UL and cUL Listed. Approved for dry/damp location unless otherwise noted.

Fixture Weight: Maximum fixture weight is 10lbs per 4' fixture.

Buy American Act Compliant

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