

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

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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>		____ - Individual Fixture ____ - Continuous Row <i>Length and Pattern pg. 2-3</i>		CV - Cove <i>QS</i> _→ <i>Mounting pg. 3</i>
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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> OL2 - eldoLED Optotronic <i>(1%, 0-10v)</i> OL4 - eldoLED Optotronic 347v <i>(1%, 0-10v)</i> EE1 - eldoLED ECOdrive <i>(1%, 0-10v)</i> ES1 - eldoLED SOLOdrive <i>(0.1%, 0-10v)</i> LH1 - Lutron Hi-lume <i>(1%, EcoSystem)</i> PS1 - Advance Xitanium <i>(50%/100%)</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>
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BATTERY & EMERGENCY ³		FINISH		CONTROLS
0 - None <i>QS</i> _→ FSB - Factory Select Battery <i>QS</i> _→ FSG - Factory Select ALCR GI - Iota ETS DR GB - Bodine GTD ILL - Iota 10w Integral PLL - Bodine 10w Integral <i>Battery and Emergency pg. 4</i>		N - Natural <i>QS</i> _→ <i>Finish pg. 4</i>		<i>Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.</i>
		FIXTURE OPTIONS ⁴		
		QS - QuickShip <i>QS</i> _→ DSP - Customer Supplied Battery/Driver/ Sensor <i>Fixture Options pg. 4</i>		

¹When specifying SOURCE the first _ is for specifying either 8 - 80CRI, 9 - 90CRI. The ending __ are for specifying output, example HO - High Output. See output charts for more information. ²Individual fixtures come in 2', 3', 4', 6' & 8' lengths. Continuous row come in 1' increments. ³Enter quantity for Battery and Emergency, Example 2FSD. ⁴If specifying Quick Ship, QS must be used in fixture options section of part number to qualify.



CRI, CCT & 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)	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

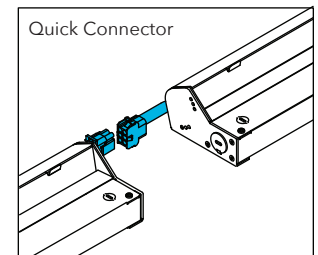
90 CRI

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

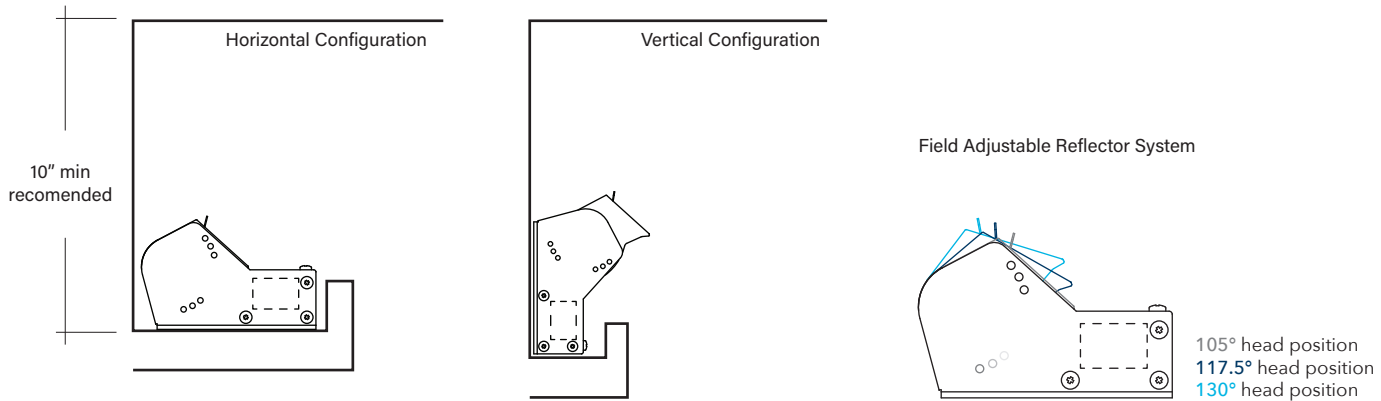
2	3	4	6	8	—
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run Specify nominal overall row length to the 1'
24-3/8" (619mm)					
	36-3/8" (924mm)				
		48-3/8" (1229mm)			
			72-3/8" (1838mm)		
				96-3/8" (2448mm)	
Specify to the 1' >>>					





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	eldoLED Optotronic, 1%, 0-10v
OL4	eldoLED 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, 0.1% Logarithmic
ES2	eldoLED SOLOdrive 0-10v, 0% Linear
DALI Drivers	
EE3	eldoLED ECOdrive .1%, DALI (logarithmic)
ES3	eldoLED SOLOdrive .1%, DALI (logarithmic)
OD1	eldoLED Optotronic 1%, DEXAL
OD2	eldoLED Optotronic 1%, DALI 2 Channel
Lutron Drivers	
LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
Alternate Drivers	
PS1	Signify Advance Xitanium Step Dimming 50%/100%
EH1	ELV 120v only, 0-10v universal



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
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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
_FSB	Factory Select Battery (10w option)
_FSBST	Factory Select Battery (10w, Self Testing)
_ILL	Iota 10w Integral Lithium, Self Testing
_PLL	Bodine 10w Integral Lithium, Self Testing

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

Battery OR Emergency Ordering Examples

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

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 Emergency Control Device, UNV
_GI	Iota ETS-DR, Emergency Control Device, UNV
_GB	Bodine GTD, Emergency Control Device, 120v or 277v

Finish

- Unpainted aluminum natural metal finish

N	Natural
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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 Universal (120-277) 1 120V 2 277V	FSD Factory Select Driver (7%, 0-10v) PL2 Advance Xitanium 0-10v, 1% OL2 Osram 0-10v, 1%	1 Single Circuit E Emergency N Night Light	0 None _FSB Factory Select Battery _ILL Iota 10w Integral

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

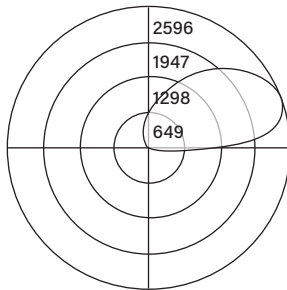
Controls

- 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%. 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. 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 Cove 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 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 1598 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.