

COVE

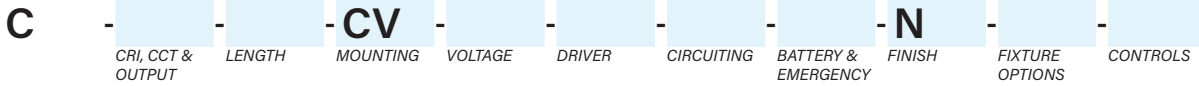
Architectural Cove Mount

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



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



C		CV
CRI, CCT & OUTPUT ¹	LENGTH ²	MOUNTING
27 - 2700K _30_ - 3000K _35_ - 3500K _40_ - 4000K CL - Custom Lumens CW - Custom Watts Lumen Output pg. 2 Example: 830HO is 8 = 80 CRI; 30 = 3000K; HO = High Output; Blank = Standard Output	_ - Individual Fixture _ - Continuous Row Length and Pattern pg. 2-3	CV - Cove ³ Mounting pg. 3

VOLTAGE	DRIVER	CIRCUITING
U - Universal ⁴ (120 thru 277V) 1 - 120V ⁴ 2 - 277V ⁴ 3 - 347V Voltage pg. 4	PL2 - Advance Xitanium (1%, 0-10v) ⁴ OL4 - Osram 347v (1%, 0-10v) EE1 - eldoLED ECOdrive (1%, 0-10v) ES1 - eldoLED ECOdrive (1%, DALI) LH1 - Lutron Hi-lume (1%, EcoSystem) ⁴ L51 - Lutron 5-Series (5%, EcoSystem) PS1 - Advance Xitanium (50%/100%) OL2 - Osram (1%, 0-10v) ⁴ ND - Non-Dimming Driver pg. 4	1 - Single Circuit ⁴ E - Emergency ⁴ (entire fixture) N - Night Light ⁴ (entire fixture) Circuiting pg. 4

BATTERY & EMERGENCY ³	FINISH	FIXTURE OPTIONS ⁴	CONTROLS
0 - None ⁴ _ILL - Iota 10w Integral (low profile) ⁴ _PLL - Bodine 10w Integral (low profile) Battery and Emergency pg. 4	N - Natural ⁴ Finish pg. 5	QS - QuickShip ⁴ Fixture Options pg. 5	Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.

¹For Quickship CRI, CCT & Output see chart on page 5 ²Individual fixtures come in 2', 3', 4', 6' & 8' lengths. Continuous row come in 1' increments. ³Enter quantity for Battery and Emergency, Example 2P. ⁴QS must be used in fixture options section of part number to qualify.

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 <i>per foot</i>		
			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

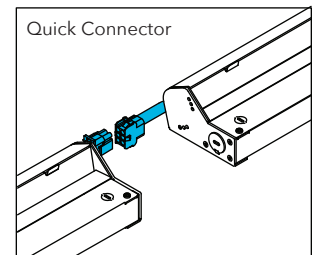
927LO	2700K	500	93.3	5.4
927MO	2700K	750	91.4	8.2
927HO	2700K	1000	91.2	11.0
930LO	3000K	500	96.7	5.2
930MO	3000K	750	94.9	7.9
930HO	3000K	1000	94.5	10.6
935LO	3500K	500	98.8	5.1
935MO	3500K	750	97.1	7.7
935HO	3500K	1000	96.6	10.4
940LO	4000K	500	98.1	5.1
940MO	4000K	750	96.3	7.8
940HO	4000K	1000	95.9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

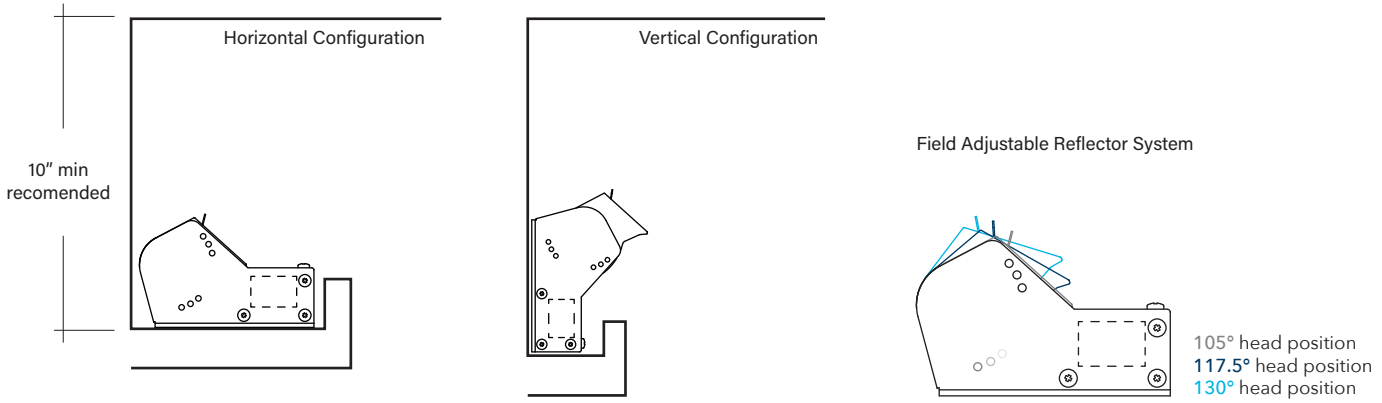


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Mounting

- 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

PL2	Advance Xitanium 1%, 0-10v
OL4	Osram Optotronic 347v (1%, 0-10v)
EE1	eldoLED ECOdrive 1%, 0-10v Logarithmic
EE2	eldoLED ECOdrive 1%, 0-10v Linear
ES1	eldoLED SOLOdrive 0%, 0-10v Logarithmic
ES2	eldoLED SOLOdrive 0%, 0-10v Linear
PS1	Advance Xitanium Step Dimming 50%/100%
LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
L51	Lutron 5-Series 5%, EcoSystem, LDE5
OL2	Osram Optotronic 1%, 0-10v
ND	Non-Dimming



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

Battery 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)
_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: 1-1P
- 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

Quick Ship

CRI, CCT & Output	Voltage	Driver	Circuiting	Battery				
80 CRI, all color temperatures, all lumen packages <i>See pg 2</i>	U 1 2	Universal (120-277) 120V 277V	PL2 LH1 OL2 ND	Advance Xitanium 0-10v, 1% Lutron LDE1 Osram 0-10v, 1% Non- Dimming	1 E N	Single Circuit Emergency Night Light	0 _ILL	None 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.

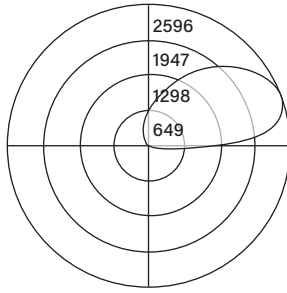
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Photometrics

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	131	0	0
105	2504	1628	37	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.