Cove - 500

COVE

TYPE

PROJECT

Overview

- /kov/ a concave arch or arched molding, especially one formed at the junction of a wall with a ceiling
- The Cove Series is an excellent choice of lighting to add a modern look into industrial, commercial, and residential spaces. Providing usage for ambient lighting, wall washing, and accent lighting providing its recessed in a cove facing up or down.
- DESIGNER SELECTIONS
- The Cove Series has 3 profiles: Cove 100 is one and thirteen-sixteenth inches in width by two and one-eighth inches in height. Cove 200 is one and nine-sixteenth inches in width by two and one-eighth inches in height. Cove 500 is two and one-fourth by two and one-forth in inches.
- The Cove Series offers several different installation ideas. All having integral drivers and can be for different applications. Cove 100 is a tool-less board and driver fixture that's easy to service, Cove 200 is a very high 2000 LPF product and Cove 500 is for directing your light output.
- No low voltage wiring, just bring in 120 or 277 to the side or back of the fixture.
- The Cove Series is always available for your projects special customization needs.
- The Cove Series qualifies as "Made in America" and "American Made", and it is also part of our ECO sustainable end of life program.
- For all: ies files, pictures, instructions, rfa files, and warranties...scroll to bottom

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Ordering Format

PART NUMBER: CV5-CF

Size	Lumens Indirect	CCT Available	CRI Available	Direct Optics
2 = 2 Feet	**I3** = 350 LPF	**27** = 2700 Kelvins	**80** = 80-85 CRI	**CL** = Clear
3 = 3 Feet	**I5** = 500 LPF	**30** = 3000 Kelvins	**90** = 90-95 CRI	
4 = 4 Feet	**I7** = 750 LPF	**35** = 3500 Kelvins		
5 = 5 Feet	**I10** = 1000 LPF	**40** = 4000 Kelvins		
6 = 6 Feet		**TW** = Tunable White 2700-5000 Kelvins		
CL = Custom Length, add in notes				

Mounting	Driver / Voltage	Fixture Finish	Options
SM = Surface Mount	**ND 1** = Non-Dim Universal 120VAC	**W** = Standard White	**AWN** = Lutron Athena Wireless Node (RF only)
	ND 2 = Non-Dim Universal 277VAC		**AWNS** = Lutron Athena Wireless Node (with Sensor)
	ZT 1 = 0-10v dimming 120v dual 1%		**EMD** = Emergency Driver - Battery Backup 120-277VAC | 3ft. Min.
	ZT 2 = 0-10v dimming 277v dual 1%		**IW** = Inverter Wiring
	CC = Custom Control - add in notes		

NOTES

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Construction & Mounting

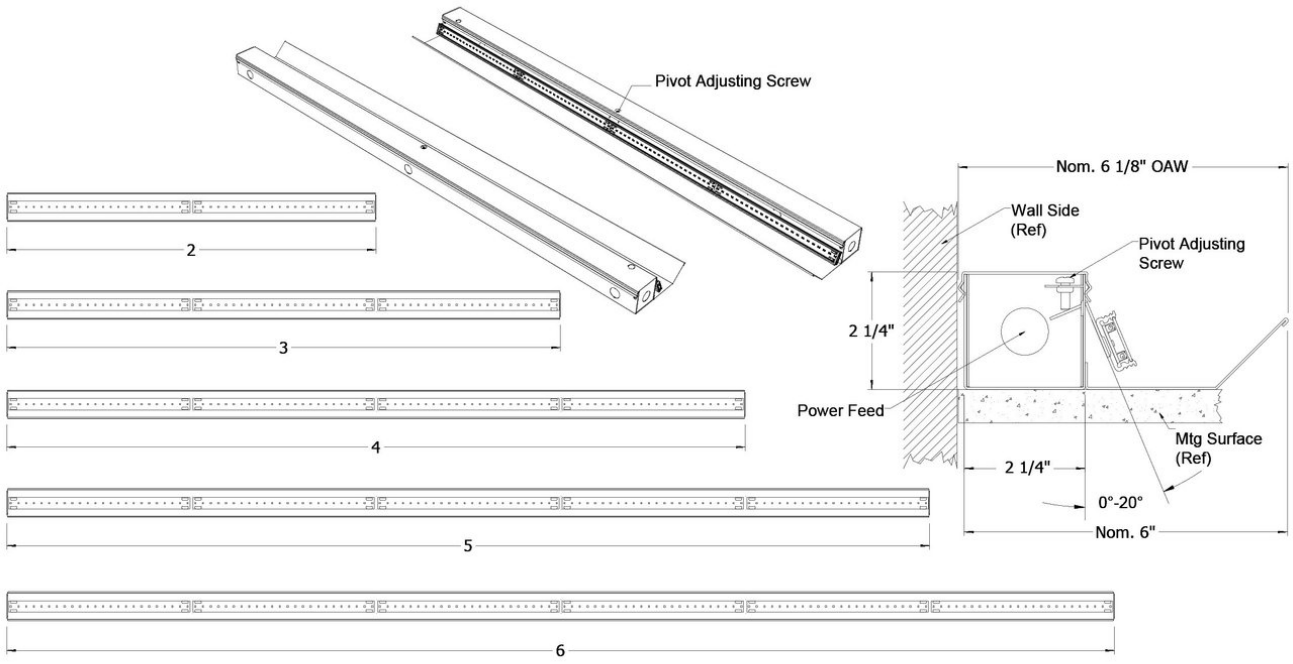
HOUSING
Housing is extruded aluminum and can be installed first, 1/2" knockout for power is supplied on sides and bottom. Quick connects are supplied for easy contractor installation. Available in standard nominal sizes of 2 ft., 3 ft., 4 ft., 5 ft., and 6 ft.

REFLECTOR
Integral powder-coated LED housing with excessive reflectivity for increased lumen output

FINISH
Standard powder-coated colors are white. Troffer style fixtures are not limited to white, consult factory for special applications.

OPTICS
Field-adjustable tilt. Concealed adjusting screw in housing cover allows for 20 degree pivot. LED channel supplied with an integral clear acrylic dust cover.

MOUNTING
Fixtures have pre-drilled holes for ¼" screws. Cove mounted fixtures have ½" knockout for power feed.



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Electrical / Driver

- Drivers - Our drivers are specifically selected based on fixture application to ensure ultimate reliability and long life. We use only UL recognized brands of LED drivers. Our LED drivers feature HPF (high power factor), universal voltage 110 - 277 VAC and include 0-10V dimming. Please note, 277v has longer distances from power feed to power feed then 120v.
- If required, we can supply premium drivers such as Lutron, Eldoled and others upon request. Advanced control systems compliant drivers such as POE,DALI, DMX, etc. are also available, please consult factory.
- Rated life (90% survivorship) of 50,000 hours at 50º C max. ambient (and 70º C max. case) temperature. At maximum driver load: Efficiency >84%, PF>0.9, THD
- POE - We are working with Molex/Igor POE systems. We can add a POE driver into our fixtures or remote them. Based on the fixture you select, we will notify you (or you can contact the factory) to see if we can install the P-driver or the P-driver needs to be remote. Just add POE1 in the spec and we will advise. Please keep in mind you need to specify a complete POE control system before specifying POE1.
- Our LED drivers feature HPF (high power factor), universal voltage 110 - 277 VAC and include 0-10V dimming.
- Emergency drivers are factory installed as an option, long life, high temperature, recyclable Ni-Cad battery pack with test switch and charge indicator. EMR is minimum of 90 minutes operation to meet code.
- Whip - Six feet long, wiring RHOS/Reach Compliant, 18 gauge, 600v rated, Specify wired to the fixture as an OPTION.

LED Perfomance

LED Output	CCT Color Temp	Watts	Lumens	Lumens per Watt	CCT Multiplier
Low	3000	3.48 WPF	350 LPF	101	2700 = .95
Medium	3000	5.05 WPF	500 LPF	99	3000 = 1
High	3000	7.7 WPF	750 LPF	97	3500 = 1.01
Very High	3000	10.48 WPF	1000 LPF	96	4000 = 1.03

- The table above is a quick reference. When calculating loads make sure you add direct and indirect LPW to get total wattage. Please refer to photometric report for detailed information.
- Our light engines are precisely designed for optimal operation of LED assemblies.
- Our standard LED's CCT (correlated color temperature) range is 2700K to 4000K. Other CCT values are available upon request.
- We log LED bin codes for each project we supply to ensure color consistency and keep a record of those projects for future reference.
- CRI offered is 80+, and 90+ Note: on 90+ CRI use .85 multiplier
- Tunable white, warm dim and other special LED colors available.
- Custom Lumens Available
- We design our own printed circuit boards to ensure high luminescence efficiency, low thermal resistance and long-term reliable operation.
- Light engines are easily replaced.
- We use only recognized brand LED's with 3 SDCM (standard deviation color matching) with high color consistency. 2 SDCM available upon request.
- If you require a special LED manufacturer, please contact us. LED chip manufacturers used by Picasso are primarily (but not limited to) Nichia, Cree and Samsung.
- LRP - “LED Reel Program” – LED’s for printed circuit boards come on reels’ like old 8mm projectors and they're sold in lots just like fabric. At Picasso Lighting, we have a program where we make sure all of your reels come from the same lot for each project. This ensures excellent color consistency in large open spaces.
- LED life is rated at 50,000 hours

Certifications & Warranties

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- Limited five-year (50,000 hours) warranty on all products. Limited ten-year (100,000 hours) warranty on all Lutron drivers.
- DLC listed products will have DLC Logo.
- Chicago Plenum and IC products are available upon request.
- Warranty does not cover damage caused by transport, damage caused by using the fixture in an area it is not UL rated for, damage caused by negligence, lack of maintenance, attempts to repair by unqualified or unauthorized personnel, by using non-original accessories/parts, fixtures installed in systems without power surge protection.
- UL and CUL listed for dry and damp locations.
- IBEW USA Union All fixtures are IBEW manufactured and assembled in the USA.
- We manufacture based on approved spec sheets and submittals signed by professionals responsible. Change orders must be in writing and will delay delivery.
- Picasso Lighting must receive in writing any thought to be defective products discovered, no later than 4 weeks from delivery to; ttoledo@picassoltg.com. Picasso Lighting will send a field technician to the site to evaluate the said defective product. We do accept field repair from licensed electrical contractors but not without a written agreement signed by Picasso Lighting official. Failure to adhere to all warranty and certifications will void any recompense and the warranty.

Note: Picasso lighting industries, LLC reserves the right to make any design changes which will not affect the overall appearance or performance of the product. All ceilings to be adequately reinforced by others. All fixtures to be wired by licensed electrician only. The information contained herein is the sole property of Picasso Lighting Industries, LLC and may not be used without prior written consent of Picasso Lighting Industries, LLC. The 'USGBC member logo' is a trademark owned by the U.S. Green building council and is used by permission. The logo signifies only that Picasso Lighting Industries, LLC is a USGBC member; USGBC does not review, certify, or endorse the products or services offered by its members.