

# Cove - 100

COVE

TYPE  
PROJECT

## Overview

- Designed to replace existing fluorescent cove lighting
- Tool-less snap-on gear tray
- Die formed 20GA steel housing
- Quick connect wiring system available
- Integral 0-10V dimming driver standard
- 120° spread standard



## Ordering Format

PART NUMBER: CV1-C

Size	Lumens Direct	Lumens Indirect	CCT Available	CRI Available
2 = 2 Feet		<b>I3</b> = 350 LPF	<b>27</b> = 2700 Kelvins	<b>80</b> = 80-85 CRI
4 = 4 Feet		<b>I5</b> = 500 LPF	<b>30</b> = 3000 Kelvins	<b>90</b> = 90-95 CRI
6 = 6 Feet		<b>I7</b> = 750 LPF	<b>35</b> = 3500 Kelvins	
8 = 8 Feet		<b>I10</b> = 1000 LPF	<b>40</b> = 4000 Kelvins	
10 = 10 Feet		<b>I20</b> = I20=2200 LPF	<b>TW</b> = Tunable White 2700-5000 Kelvins	
12 = 12 Feet				
<b>CL</b> = Custom Length, add in notes				
Optics	Mounting	Driver / Voltage	Color	Options
<b>CL</b> = Clear	<b>SM</b> = Surface Mount	<b>ND</b> = Non-Dim 120v-277v Dual  <b>ZT</b> = 0-10v Dimming 120v-277v Dual 1%  <b>CC</b> = Custom Control - Add in notes  <b>LE1</b> = Lutron EcoSystem 1% DLC EE CCR / PWM SoftOnFadeToBlack  <b>LE5</b> = Lutron EcoSystem 5% DLC EE CCR	<b>W</b> = Standard White	<b>EMD</b> = Emergency Driver - Battery Backup 120-277VAC

### NOTES

ORDER NUMBER:

## 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.

### REFLECTOR

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

### FINISH

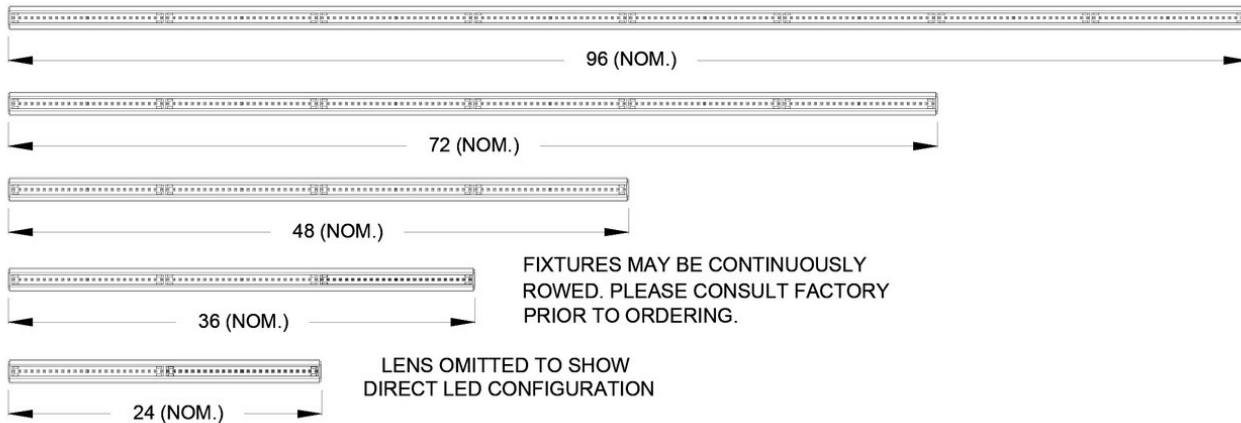
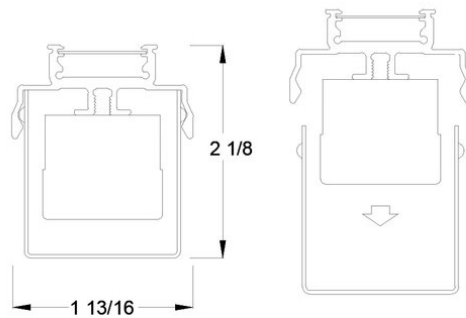
Standard powder-coated colors are white. Troffer style fixtures are not limited to white, consult factory for special applications.

### OPTICS

LED channel is provided with an integral clear dust lens.

### MOUNTING

Fixtures have pre-drilled holes for 1/4" screws. Cove mounted fixtures have 1/2" knockout for power feed.



### 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.
- 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 50° C max. ambient (and 70° C max. case) temperature. At maximum driver load: Efficiency >84%, PF>0.9, THD
- POE - We are working with Igor POE systems to either add a node 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 node or the node 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, 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, Supplied, wired to the fixture, unless otherwise noted.

### LED Performance

LED Output	CCT Color Temp	Watts	Lumens	Lumens per Watt	CCT Multiplier
Low (indirect)	3000	2.98 WPF	350 LPF	119 LPW	2700 = .95
Medium (indirect)	3000	4.3 WPF	500 LPF	117 LPW	3000 = 1
High (indirect)	3000	6.55 WPF	750 LPF	115 LPW	3500 = 1.01
Very High (indirect)	3000	8.8 WPF	1000 LPF	114 LPW	4000 = 1.03
Super High	3000	20 WPF	2200 LPF	110 LPW	See Above

- 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.
- 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.
- 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
- Custom Lumens Available

### Certifications & Warranties

- Limited five-year (50,000 hours) warranty on all products.
- I.C. rated fixtures are available upon request.
- All fixtures are IBEW manufactured and assembled.
- UL and CUL listed for dry and damp locations.
- Chicago Plenum products are available upon request.
- Made in the U.S.A.



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.