

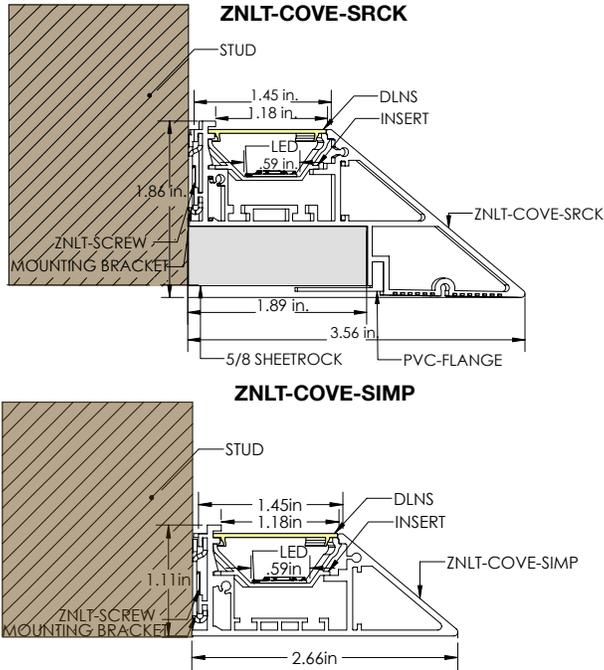
# ZENLITE® COVE

## Wall Mount LED Lighting System

### DESCRIPTION

ZENLITE® COVE is a wall mount LED Lighting System for indirect illumination near the ceiling. It screws directly into the walls for an instant cove with a clean and modern design. This eliminates the time, expense, and ceiling height requirements necessary for a traditional sheetrock cove. The light fixture channel is field cuttable and allows for a variety of configurations. It is installed directly to the drywall with 16-inch spacing brackets. This fixture accepts Lumamate and PreciseLED tape lights which can lie and lean on the reflector for different light angle projection. To achieve a certain light output, choose between the different available light modules and color temperatures. Light modules are also dimmable when using a dimmable driver.

### DIMENSIONS



Project Name: \_\_\_\_\_

Fixture Type: \_\_\_\_\_

Notes: \_\_\_\_\_



### LUMEN OUTPUT PERFORMANCE

Light Module	Lumens/ft*	Watts/ft
HIHE	210.32	4.4
SBFL	1090	10
COBE	347.95	6.2
HRGBW-WHITE	72.49	5.9
LMMT	63.15	5

\* The Lumens/ft values are estimated based on a color temperature of 35K

Color Temp	27K	30K	35K	40K	Lens	CLNS	OLNS	DLNS
Multiplier	0.73	.88	1	1.08	Multiplier	1.13	0.74	1

### ORDERING CODE

Example: PRL-ZNLT-COVE-SRCK-14-COBW-INS-24V-95C-35K-MG-RMTD

Assembly	Product	Length	Light Module   Cuttable	Accessory	Volt	CRI	Color Temperature
PRL Preloaded PRA Preassembled UNA Unassembled	ZNLT-COVE-SIMP ZNLT-COVE-SRCK	XX Length in inches only. Can only be specified to cuttable length of respective light module.	Field installable LED modules SBFL (Super Beam Flow)   2.46 inch COBE (Cool Beam)   2.46 inch * HIHE (High Beam High Efficacy)   2.46 inch COBW (Cool Beam Wet)   2.46 inch HRGB (Red/Green/Blue)   2.46 inch HRGBW* (Red/Green/Blue/White) *Not field cuttable	INS Insert  Note: This accessory is only compatible with field installable LED modules. Leave blank if using LMMT.	24V 24V-24V	95C 95C ≥ 95 CRI	27K 2700K 30K 3000K 35K 3500K 40K 4000K
			Plug and Play LMMT* (Lumamate) 6,12,24,36,48 inch * The connector needs to add to the length of LMMT for accuracy Note: This fixture can be field cut when using field installable LED modules. Plug and Play modules are <b>not</b> field cuttable.				

Lens	Driver	Mounting ( Light Module )
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CLNS Clear * DLNS Diffused* OLNS Opal*	MG (1% Magnetic Dimming) ZO (1% 0-10V Dimming) NN Non Dimming L3 Lutron Hi-lume 1% 3-wire/EcoSystem (40W max.) LP Lutron Hi-lume Premier 0.1% FadeTo Black EcoSystem/3-wire	RMTD Rear Mounted (Default) SMTD Side Mounted  Note: This option is not applicable to the installation of LMMT. LMMT only offers the option of rear mounting.
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\*This is only for field installable LED modules.  
Note: :Leave blank for No Lens

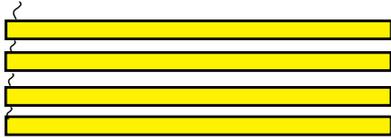
# ZENLITE® COVE

## Wall Mount LED Lighting System

### ■ PRODUCTION OPTIONS

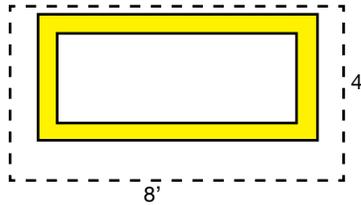
#### PRELOADED

Channel is preloaded with light module and cut to specific lengths in increments of 2.46 inches. Exact field measurements must be provided, factory does not take responsibility for field measurement errors.



#### PREASSEMBLED (8'L x 4'W Maximum)

Fixture is assembled to specific size and shape desired with all components. **Only available for certain configurations.** Contact factory for more information.



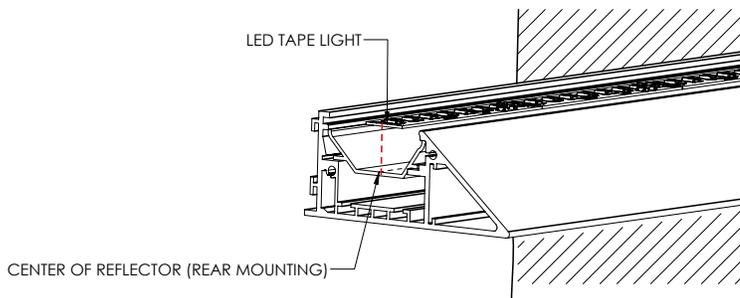
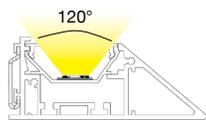
#### UNASSEMBLED

Each component of fixture is shipped separately and assembled in the field.

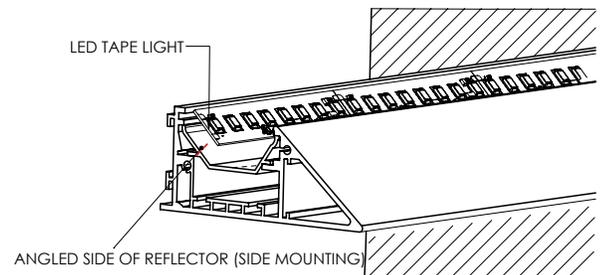
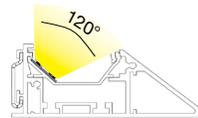


### ■ LED MOUNTING OPTIONS

#### RMTD (REAR MOUNTED)



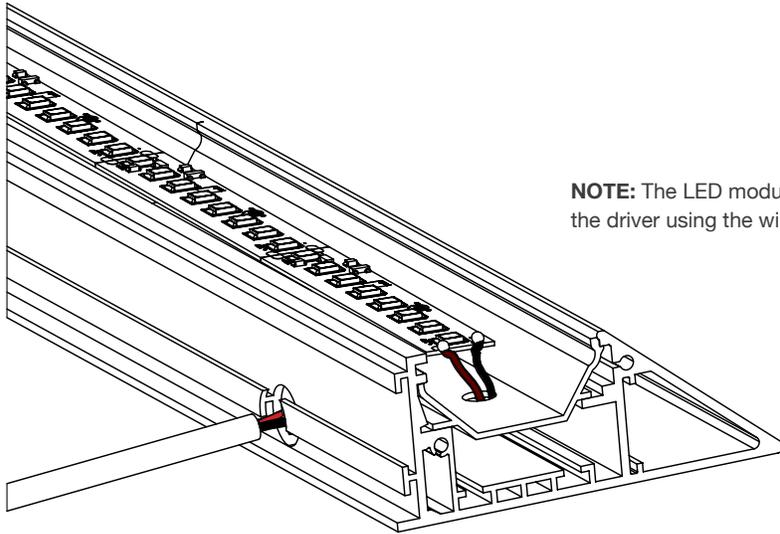
#### SMTD (SIDE MOUNTED)



# ZENLITE® COVE

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## ■ WIRING THE LIGHT FIXTURE

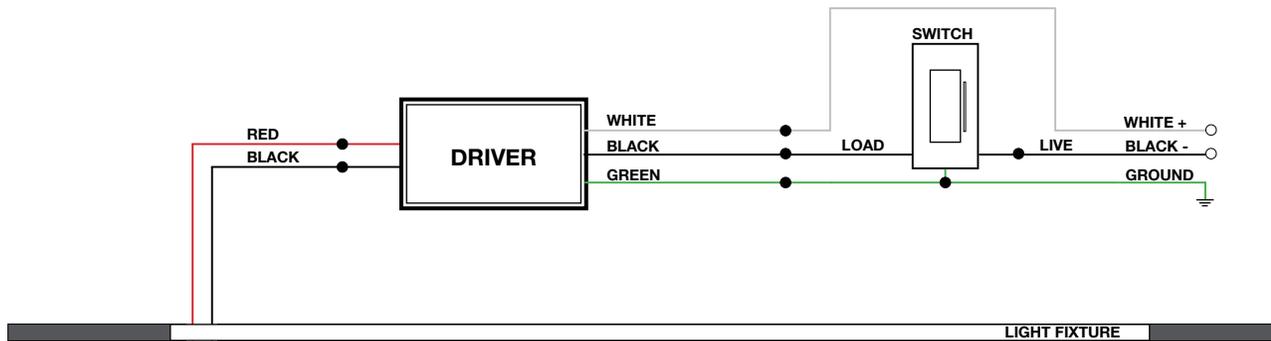


**NOTE:** The LED module is wired through a hole in the back of the channel. Connect the wires to the driver using the wiring diagram below.

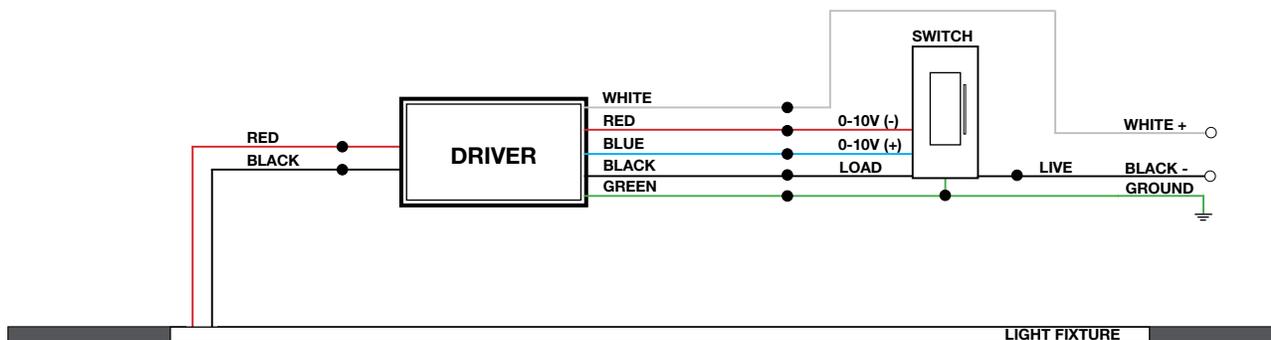
## ■ WIRING DIAGRAM

Wiring diagram for a typical installation of the light fixture with a compatible driver and switch.

### Phase Dimming



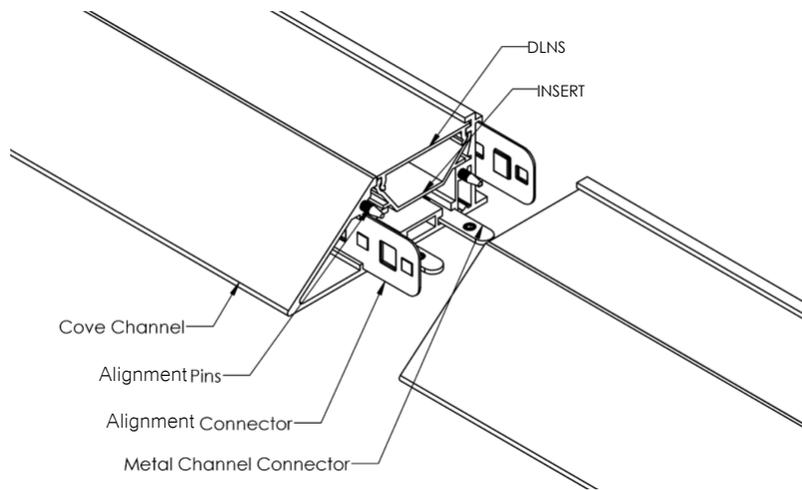
### 0-10V Dimming



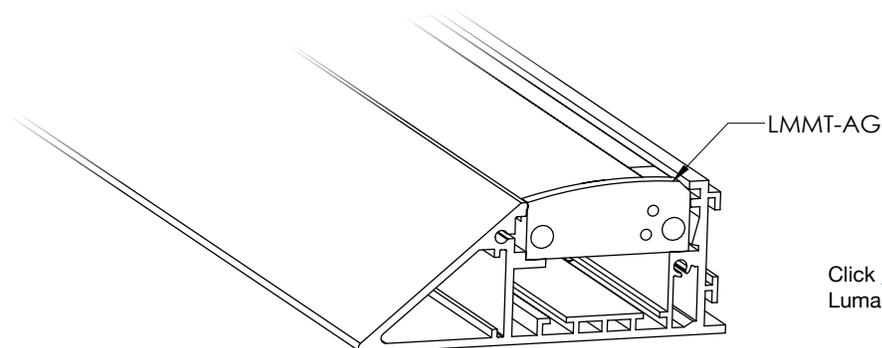
# ZENLITE® COVE

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## ■ KEY COMPONENTS



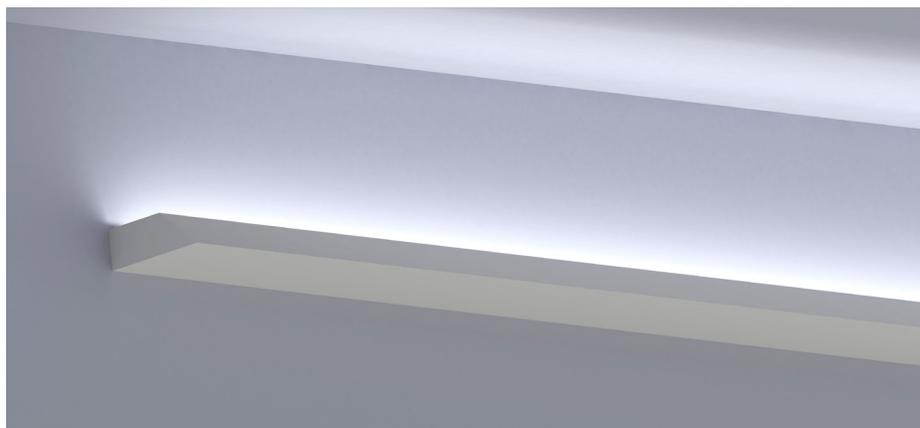
## ■ OPTIONAL INSTALLATION WITH LUMAMATE



Click [here](#) for more information on the Lumamate.

\*NOTE: When installing the Lumamate, the Zenlite Cove reflector is not to be used.

## ■ FULL FIXTURE ASSEMBLY



# ZENLITE® COVE

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### ■ SPECIFICATIONS

#### LED SYSTEM

The LED system comprises five different light modules to choose from; HIHE provides higher lumen output and has lower electricity consumption. COBE is one of our highest-lumen output tape lights. HRGB and HRGBW have the ability to output any color on the color wheel with HRGBW having the advantage of being able to also display static white light. Lumamate (LMMT) is one of the most advanced light modules in the Precise family. Unlike regular tape, the Lumamate has a rigid body and can snap on to the fixture. The lumamate allows a long run and is spotless with a clear straight connector. The light modules are available in four different color temperatures of 2700K, 3000K, 3500K, and 4000K; except for HRGBW which displays up to 6000K. They have a minimum 95CRI (color rendering index) and have gone through a 3-step binning process.

#### OPTICS

This fixture uses polycarbonate lenses which are available in a clear, diffused, or opal finish. The lenses are field changeable and are able to run continuously up to 40ft. There are 2 tape light positions each for ZNLT-COVE-SRCK and ZNLT-COVE-SIMP. Both positions provides a beam spread of 120°.

#### MOUNTING

Proprietary design allows the steel bracket to be mounted directly onto drywalls and studs. The bracket contains prepunched holes and spaced every 16". The fixture hangs on the bracket and secures with M3 philips flat head screws. The SRCK version gets mounted to the drywall and spackled after to create a clean, seamless look. The SIMP version gets mounted straight onto the wall for simple installation without needing for any drywall reconstruction.

#### CONSTRUCTION

- **DIMENSIONS:** 2.66" W x 1.11" H
- **HOUSING:** Anodized aluminum extrusion cut with high precision equipment with up to 98% reflectivity on the inside.

#### ELECTRICAL

- There are six available drivers to choose from. All the LED drivers are mounted remotely and have 120-277VAC input.
  - **MG driver:** forward phase, 1% magnetic low voltage (dims down to 1%) dimming and flicker free.
  - **ZO driver:** % 0-10V dimming, flicker free, and is IP65 rated for both indoor and outdoor use.
  - **NN driver:** non dimming, flicker free driver that is IP65 rated for both indoor and outdoor use.
  - **L3 driver:** 3-Wire driver from Lutron that has Hi-lume 1% EcoSystem and provides continuous and flicker free dimming from 100%-1%.
  - **LP driver:** 3-Wire driver from Lutron that has Hi-lume Premier 0.1% FadeToBlack EcoSystem and provides continuous and flicker free dimming down to 0.1% when paired with EcoSystem Lutron controllers.
- **FEED:** 18" of wire provided with connection to a longer wire inside the beginning module. Fixture is wired through the back of the channel.
- **EMERGENCY (Optional):** Remote emergency battery pack provides backup power for 90 minutes. Remote emergency test switch included.

#### LISTING/WARRANTY

- **APPROVALS:** UL/C-UL listed for dry and damp locations. IC rated.
- **WARRANTY:** 5 year limited warranty, ambient temperatures at fixture location should not exceed 40°C during normal operation.
- IP Protection: IP20
- CRI ≥ 95
- 50,000 hours lamp life
- US & International Patents

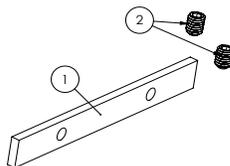


These are the standard components that comes along with the ZENLITE® Lighting system.



#### Alignment Pins

Length: 0.5 x 0.09 inches  
Purpose: To guide the fixture connect and align  
Part #: **ZNLT-ALM-PIN**



#### Metal Channel Connector

Length: 2 inches  
Purpose: To connect to straight ZENLITE® Channels  
Part #: **ZNLT-CNCT-MTL**



#### Alignment Connector

Length: 1.5 x 0.63 inches  
Purpose: To align the fixtures and prevent channels breaking off  
Part #: **ZNLT-CNCT-ALM**