

# ZENLITE® COVE ARC

Wall Mount LED Lighting System

## DESCRIPTION

ZENLITE® ARC COVE is a wall mount LED Lighting System for indirect illumination near the ceiling. The fixture accepts PreciseLED ARC tape lights and is covered with silicone lens, which can curve with the channel to its minimum radius of 15°. The Cove Arc is installed directly to drywall/wooden studs with 16-inch spacing brackets. The channel is field cuttable and allowing for a variety of configurations. 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.

ZENLITE® ARC COVE shape is factory-engineered. Field installation follows pre-defined bend templates supplied per project. Additional field flexibility is supported. See page 2 for more details. **Patent Pending**

## LUMEN OUTPUT PERFORMANCE

Light Module	Lumens/ft*	Watts/ft
ACBU	370.89	8
ACBC	278.35	6
ACBM	215.94	4.4
ACBL	103.05	2
ABRW	75.16	4.4

\* The Lumens/ft values are estimated based on a color temperature of 30K

Color Temp	27K	30K	35K	40K
Multiplier	0.82	1	1.13	1.22

## ORDERING CODE

Assembly	Product	Type	Segment Length	Light Module   Cuttable  Watts/ft	Volt	CRI	Color Temperature	Lens	Driver
UNA Unassembled PRA Preassembled PRL Pre-loaded	ZNLT-COVE-ARC	ST Straight AS Arc segment	XX Length in inches only. Can <b>only</b> be specified to cuttable length of respective light module.	Field installable LED modules ACBU (Arc Beam Ultra)   2.83inch  8 ACBC (Arc Beam Cool)   2.83 inch 6 ACBM(Arc Beam)   2.83 inch 4.4 ACBL (Arc Beam Low)   2.83 inch 2 ABRW (Arc Beam RGBW)   2.81 inch 4.4 ABWW* (Arc Beam RGBWW)   2.81 inch 4.4  *Tunable white available in 27K65K CCT	24V-24V	95C ≥ 95 CRI	27K 2700K 30K 3000K 35K 3500K 40K 4000K	DLNS Diffused*  *This is only for field installable LED modules.	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 D4 (DMX/Dali, 4 LED outputs, Dali DT6 Dimming) DT8 (Dali DT8 Dimming)

Enter ordering code here:

Example: UNA-ZNLT-COVE-ARC-ST-14-ACBM-24V-95C-27K-DLNS-MG

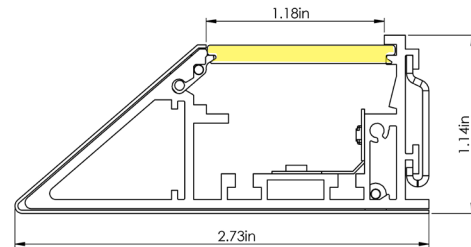
Project Name: \_\_\_\_\_

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

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



## DIMENSIONS



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## PRODUCTION OPTIONS

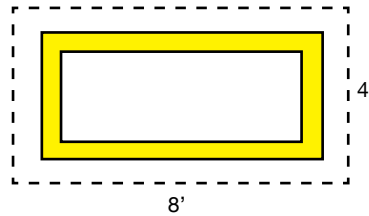
### PRELOADED

Channel is preloaded with light module and cut to specific lengths. 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

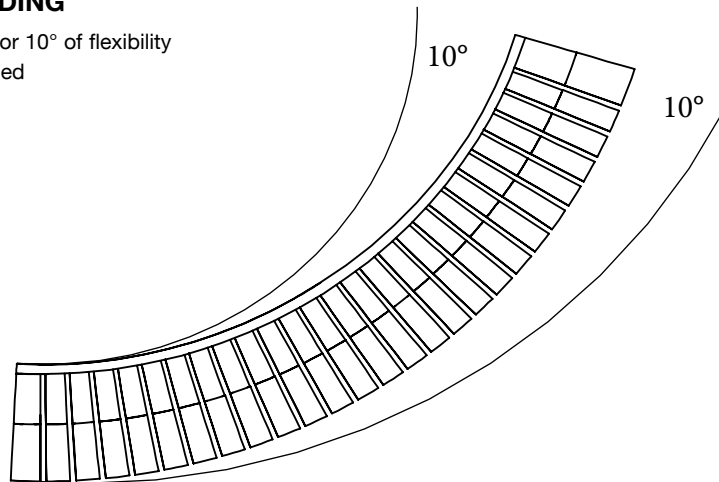
Each component of fixture is shipped separately and assembled on the field.



Note: Fixtures longer than 8 ft are available only in Preloaded or Unassembled configurations.

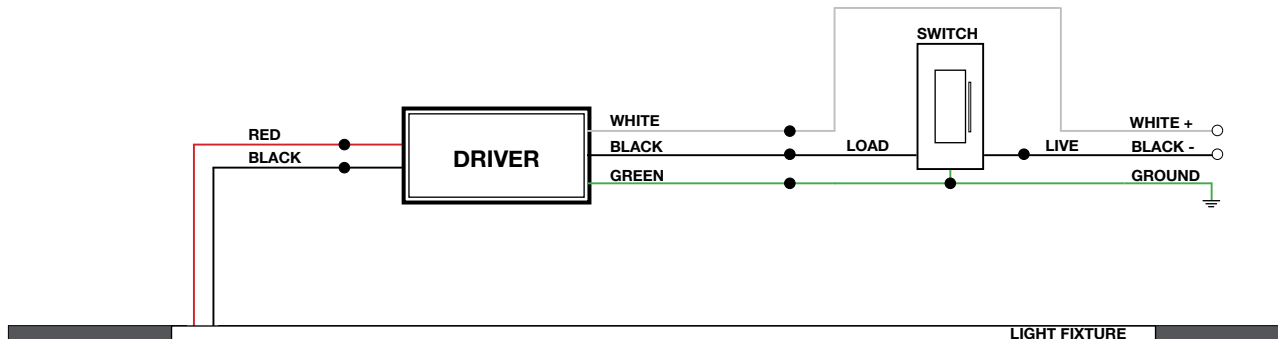
## MAXIMUM FIELD BENDING

ZENLITE® ARC COVE allows for 10° of flexibility on either direction from specified



## WIRING DIAGRAM

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



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## ■ SPECIFICATIONS

### LED SYSTEM

The LED system comprises six different light modules to choose from: ACBC, ACBL, ACBM, ACBS, ACBU, ABRW and ABWW. Each of light modules is use of dimmable driver to dim the light. They display a clean line of light at the surface of the lens. The light modules are available in four different color temperatures of 2700K, 3000K, 3500K, and 4000K; ACBC, ACBL, ACBM, ACBS, and ACBU have a minimum 95CRI (color rendering index) and have gone through a 3-step binning process.

### OPTICS

For this fixture, silicone lens is available in a diffused finish. The lens are field changeable and are able to run continuously up to 40ft.

### ELECTRICAL

There are six available drivers to choose from. All LED drivers are mounted remotely and have 120-277VAC input.

**MG driver** is a forward phase, 1% magnetic low voltage (dims down to 1%) dimming and flicker free.

**ZO driver** consists of 1% 0-10V dimming, flicker free, and is IP65 rated for both indoor and outdoor use.

**NN driver** is a non dimming, flicker free driver that is IP65 rated for both indoor and outdoor use.

**L3 driver** is a 3-Wire driver from Lutron that has Hi-lume 1% EcoSystem and provides continuous and flicker free dimming from 100%-1%

**LP driver** is a 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.

**D4 driver** is a DMX/Dali driver with 4 LED Outputs, for use with dimming RGBW LEDs. It is compatible with Dali Type 6 dimming.

**DT8 driver** offers flicker-free, DMX dimming down to 0.1%. It is compatible with Dali Type 8 dimming.

- FEED: 18" of wire provided with connection to a longer wire inside the beginning module.
- EMERGENCY (Optional): Remote emergency battery pack provides backup power for 90 minutes. Remote emergency test switch included.

### MOUNTING

Proprietary design allows the steel bracket to be mounted directly onto drywalls and studs. The bracket contained prepunched holes and spaced every 16" apart. The fixture hangs on the bracket and secures with M3 philips flat head screw.

### CONSTRUCTION

- DIMENSIONS: 2.73"W x 1.14" H
- HOUSING: Anodized aluminum extrusion cut with high precision equipment with up to 98% reflectivity on the inside.
- MINIMUM BENDING RADIUS: 15"
- MAXIMUM ALLOWABLE BEND PER SEGMENT:  $\pm 10^\circ$
- Fixture is not designed for free-hand or force bending.
- Over-bending will cause permanent deformation or fracture of the aluminum housing.

### LISTING/WARRANTY

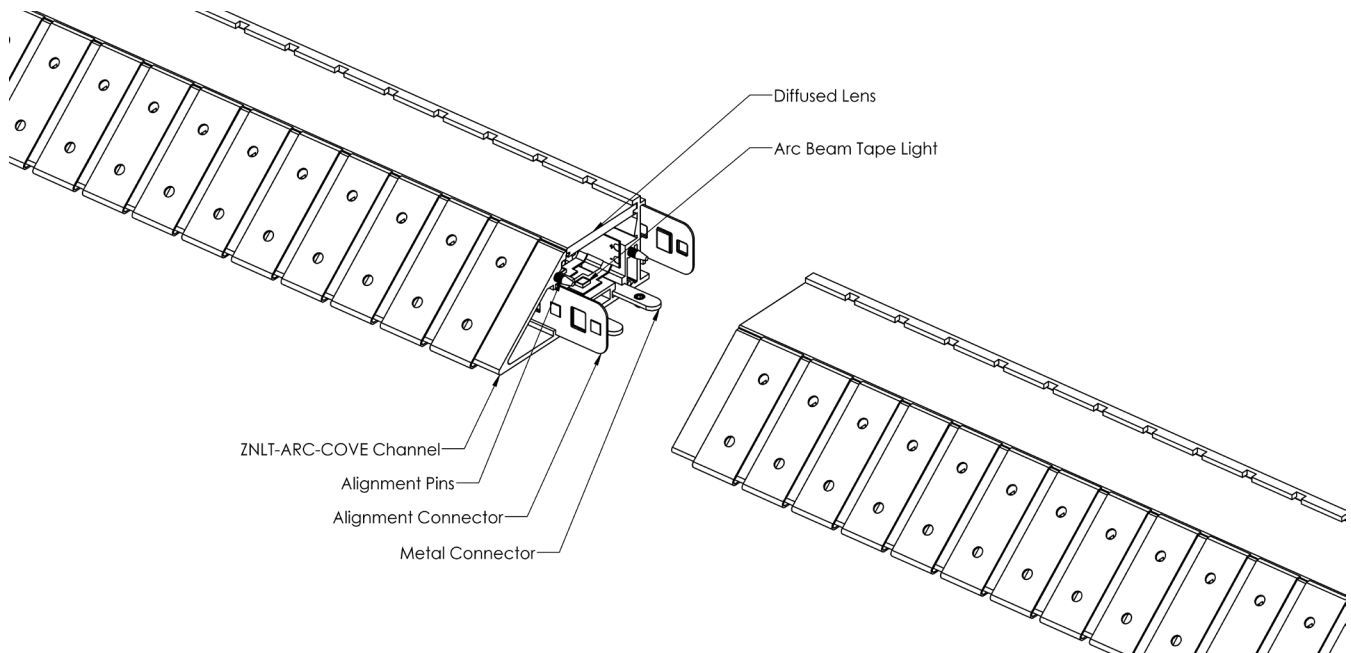
- APPROVALS: UL/C-UL listed for dry and damp locations. IC rated.
- WARRANTY: 5 year limited warranty, ambient temperatures at fixture location should not exceed 40°C during normal operation.
- IP Protection: IP20
- CRI  $\geq 95$
- 50,000 hours lamp life
- US & International Patents
- Mechanical damage resulting from over-bending, forced shaping, or deviation from supplied templates is excluded from warranty coverage



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## KEY COMPONENTS



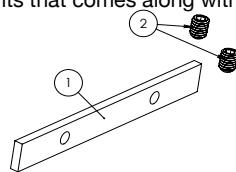
## ADDITIONAL COMPONENTS

These are the certain 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



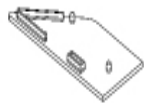
### Metal Channel Connector

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



### EndCap-Left

Length: 2.66 x 1.11 inches  
Purpose: To be attached at the beginning of ZENLITE® Channel  
Part #: ZNLT-COVE-EDCP-L



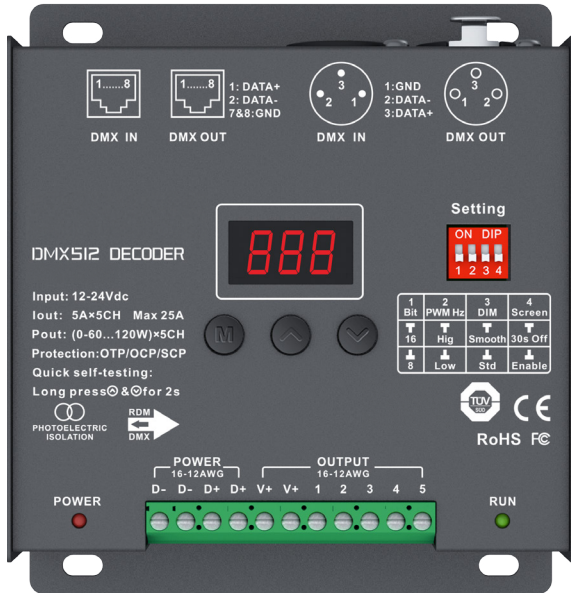
### EndCap-Right

Length: 2.66 x 1.11 inches  
Purpose: To be attached at the ending of ZENLITE® Channel  
Part #: ZNLT-COVE-EDCP-R

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## DMX DECODER FOR USE WITH COLOR TUNING LED (ORDER SEPARATELY)



**Input Voltage:** 12-24V DC  
**Current Load:** 5A x 5CH  
**Output Power:** 96W (5 channels total) use with class 2 power supply  
**Output Signal:** DMX512 / RDM  
**Supported DMX ports:** 3-pin XLR, RJ45 (Provided by user)  
**Dimensions:** L4.8 x W4.4 x H1.5in  
**Operating Temperature:** -22°F~149°F  
**Weight:** 1.2 lb  
**Certification:** UL, FCC, CE, RoHS, TUV  
**Protection:** Short circuit / Over-heat / Over current

Note:



An amplifier is needed if more than 32 decoders are connected, should not exceed 5 times continuously.  
If recoil effect occurs, please try to connect 0.25W 90-120Ω terminal resistor at the end of each signal cable. See installation instruction for more information.

**Ordering Code: DXDR-L5**

## DMX WALL PANEL CONTROLLER FOR USE WITH COLOR TUNING LED (ORDER SEPARATELY)



**Input Voltage:** 12-24V DC use with Class 2 Power Supply  
**Material:** Aluminum frame, tempered glass  
**Mounting:** Wall Mount (fits standard US wallbox)  
**Wireless protocol:** Bluetooth 5.0 Mesh  
**Output signal:** DMX 512  
**Supported DMX ports:** D+,D-,GND wire terminals  
**Number of Zone:** 4  
**Number of Scene:** 4  
**Dimensions:** L4.7 x W3.0 x H1.2 in  
**Operating Temperature:** -68°F~131°F  
**Weight:** 0.5 lb  
**Certification:** UL certified

**Ordering Code: CTRL-DMX-WP-U5**