

ZENLITE® ARC1-SM-V2

Surface Mount Curved LED Lighting System

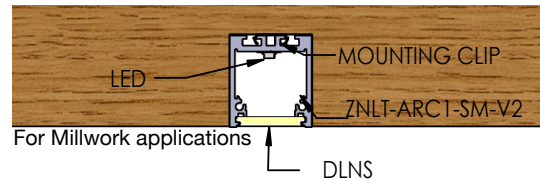
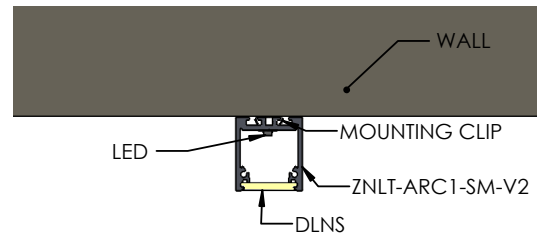
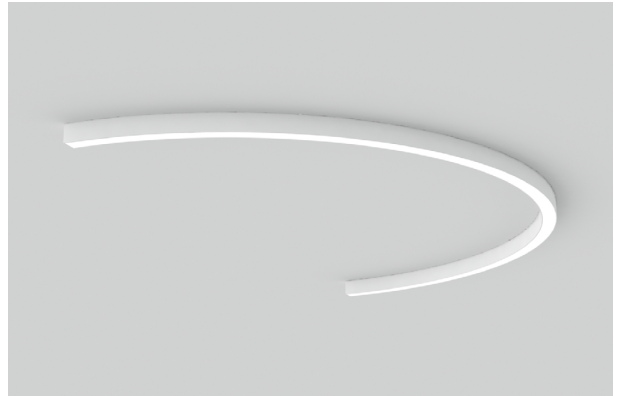
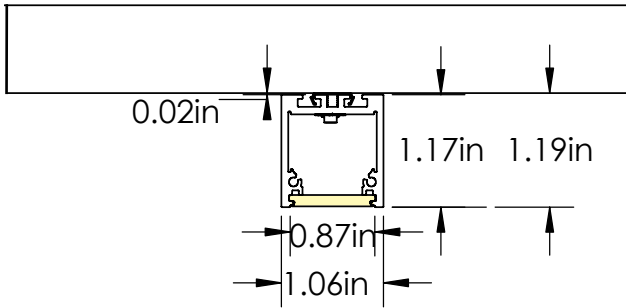
Project Name: _____

Fixture Type: _____

DESCRIPTION

The ZENLITE® Arc1 Surface Mount V2 is a customizable, curved LED lighting system that can be built to any curvature and radius. With its updated profile, it connects easily with the ZENLITE® Arc1 Recessed Mount and the rest of the ZENLITE® series. This fixture is also ideal for millwork applications, giving you the flexibility to build continuous, seamless lighting and allowing for complete design freedom.

DIMENSIONS



LUMEN OUTPUT PERFORMANCE TABLE

Light Module	Lumens/ft
ACBM	161
ACBC	251
ACBU	410
HIHE	128
COBE	181

ORDERING CODE

Example: **ZNLT-ARC1-SM-V2-AS-14-OC-25R-ACBM-24V-95C-27K-WH-MG**

Product	Type	Segment Length	Curve Type	Curve Radius	Light Module Cuttable Length Watts Per Foot
ZNLT-ARC1-SM-V2					
ZNLT-ARC1-SM-V2	ST Straight AS Arc segment CIR Full Circle	XX Length in inches Note: Lengths can be specified down to 0.25 inch.	SC XY Side curve (Default) OC XZ Outward curve IC XZ Inward curve Note: See Curve Type Chart on Page 2 for details	XXR Radius in inches* Note: Leave blank for straight run. Use multiple sheets for combination of runs. *There is no minimum or maximum radius. Radii can be set to any length, down to the hundredth of an inch	XY Bend**** ACBL Arc Beam Low 2.83 inch 2 W/ft ACBM Arc Beam 2.83 inch 4.4 W/ft ACBC Arc Beam Cool 2.83 inch 6 W/ft ACBU Arc Beam Ultra 2.83 inch 8 W/ft XZ Bend**** HIHE High Beam Hi Efficacy 2.46 inch 4.4 W/ft BEAM Beam 1.97 inch 2.9 W/ft COBE Cool Beam 2.46 inch 6.2 W/ft 2HRGB Hi Beam RGB 3.94 inch 8.8 W/ft * 2HRGW Hi Beam RGBW 2.49 inch 14 W/ft */** * 95 CRI does not apply ** Available with 3000K and 4000K Only **** Please check out the Curve Type Chart on Page 2 for more information about your axes bend options

Voltage	CRI	Color Temperature	Lens	Housing Finish	Drivers*
24V	95C		DLNS		
24V-24V	95C ≥ 95 CRI	27K 2700K 30K 3000K 35K 3500K 40K 4000K	DLNS Diffused Lens	WH White Powder Coated (Default) BK Black Powder Coated XX Custom Color * RAL#:	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% FadeToBlack EcoSystem/3-wire *Drivers are remotely mounted
					* consult factory for availability

PRODUCTION OPTIONS (Optional for Lighting designers)

OPTION A

Ship channels in 8ft lengths
(Default for lengths greater than 8 ft)

Note: It will exclude any non-45 degree angles required, which must be cut by PreciseLED factory.

OPTION B

Precut channels to desired lengths
(Default for lengths less than 8ft)

Note: Exact field measurements must be provided, factory does not take responsibility for field measurement errors.

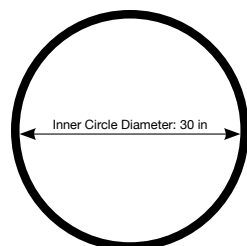
OPTION C

Ship fixture preloaded with LED module

Note: This option is only available for lengths ≤ 8 ft. Exact field measurements must be provided, factory does not take responsibility for field measurement errors.

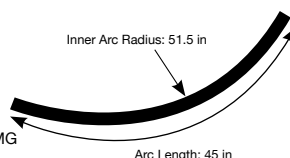
Note: The maximum length of a single channel is 8ft. For runs that are longer than 8ft, multiple 8ft channels need to be join together by means of straight channel connectors. Seamless lenses can be shipped in rolls of lengths up to 40 feet.

TYPES OF ZENLITE ARC CHANNELS:



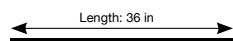
Full Circle

Order info: Radius
Sample order code:
ZNLT-ARC1-SM-V2-CIR-15R-ACBM-24V-95C-27K-MG



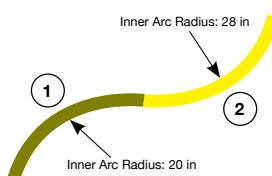
Arc Segment

Order info: Radius and Length/Degree
Sample order code:
ZNLT-ARC1-SM-V2-AS-45"-51.5R-ACBM-24V-95C-27K-MG



Straight

Order info: Length
Sample order code:
ZNLT-ARC1-SM-V2-ST-36-ACBM-24V-95C-27K-MG



Arcs with different radii are separated into different seg-

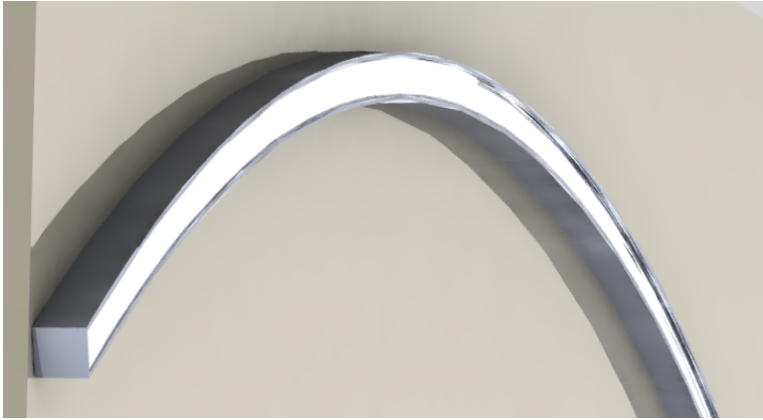
- 1 ZNLT-ARC1-SM-V2-AS-16-20R-ACBM-24V-95C-27K-
- 2 ZNLT-ARC1-SM-V2-AS-16-28R-ACBM-24V-95C-27K-

CURVE TYPE CHART

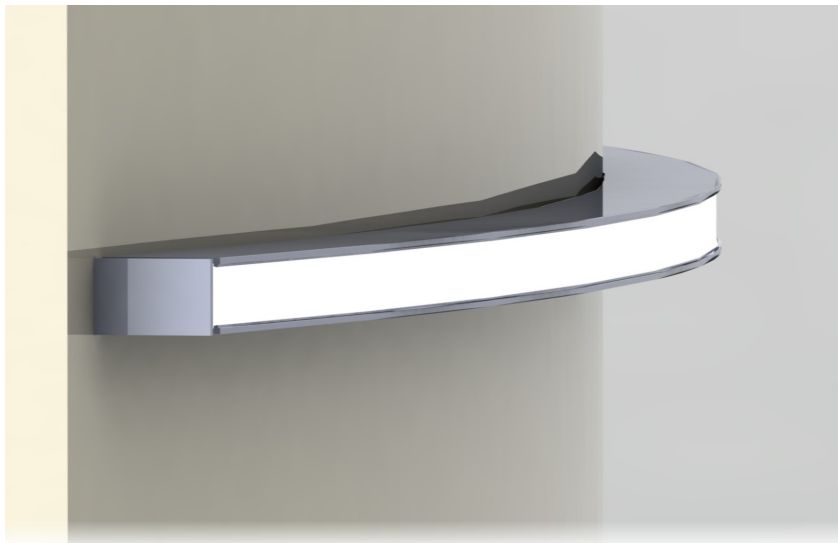
XY Side Curve (Default)	XZ Inward Curve	XZ Outward Curve
<p>Light Source</p> <p>Tapelights: ACBM ACBC ACBL ACBU</p>	<p>Light Source</p> <p>Tapelights: HRGB HRGBW HIHE BEAM COBE</p>	<p>Light Source</p> <p>Tapelights: HRGB HRGBW HIHE BEAM COBE</p>

Note: Bending on both axis (helix or spiral) curves are not available

■ FULL ASSEMBLY WITH XY CURVE



■ FULL ASSEMBLY WITH XZ CURVE



SPECIFICATIONS

LED SYSTEM

The LED system consists of six different light modules to choose from; ACBL, ACBM, ACBC, ACBU, 2HRGB, and 2HRGBW which are also dimmable using a dimmable driver. 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 with 2HRGB and 2HRGBW only applicable to 3000K and 4000K. ACBL, ACBM, ACBC, ACBU have a minimum 95CRI (color rendering index) and have gone through a 3-step binning process.

ELECTRICAL

Standard driver is a 120-277VAC, drivers are mounted remotely.

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

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

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

L3 driver is a Hi-lume 1% EcoSystem 3-Wire Driver, provides continuous and flicker free dimming from 100% to 1%.

LP driver is a Hi-lume Premier 0.1% FadeToBlack EcoSystem 3-Wire Driver, provides continuous and flicker free dimming down to 0.1% when used with EcoSystem Lutron controls.

- 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*

- Mounting brackets are provided to be attached to the channel; allowing for the channel to be mounted directly into the ceiling.

This design is versatile for any location and easily moved.

*Consult factory for connection with recessed version

CONSTRUCTION

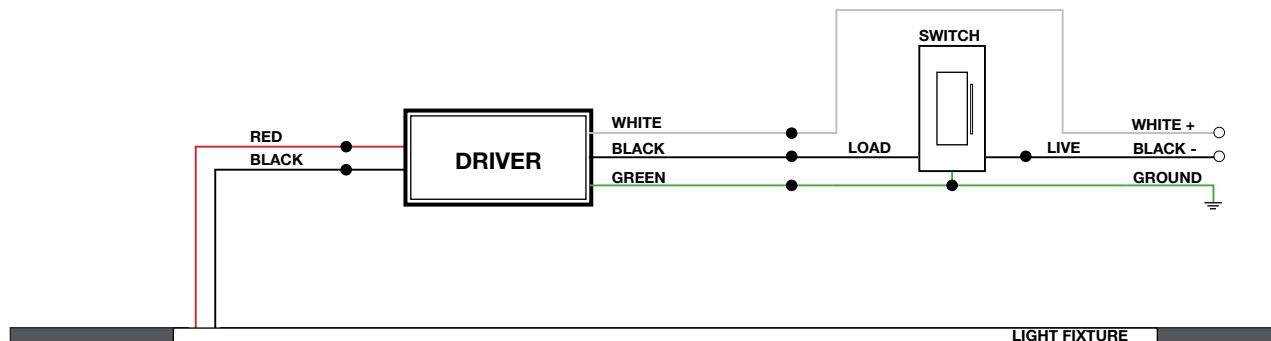
- DIMENSIONS: 1.06" W x 1.17" H
- HOUSING: Anodized aluminum extrusion cut with high precision equipment with up to 98% reflectivity on the inside.
- HOUSING FINISH: Powder coated white by default; with black available, and the option for custom colors. This provides the channel with a smooth finish and a defined color.

LISTING/WARRANTY

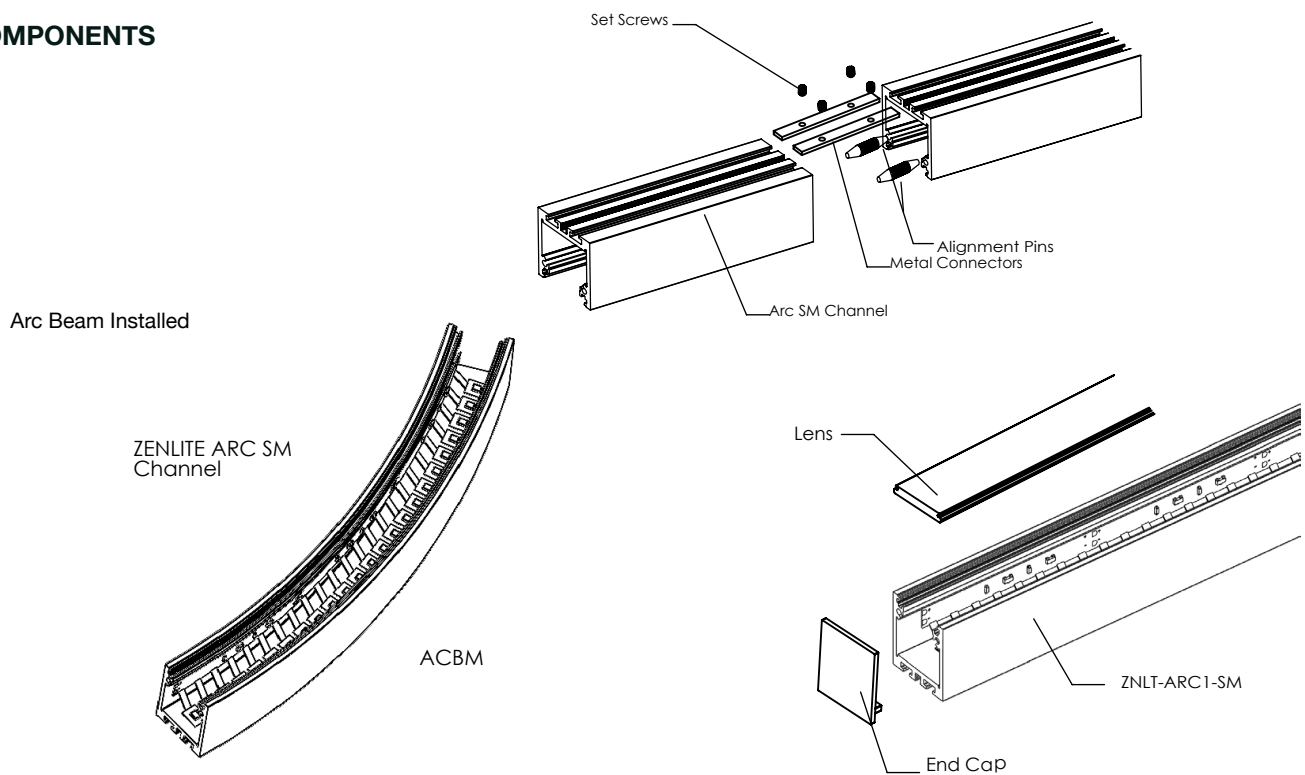
- WARRANTY: 5 year limited warranty, ambient temperatures at fixture location should not exceed 40°C during normal operation.
- IP Protection: IP20
- CRI ≥ 95
- 50,000 hours lamp life
- US & International Patents Pending

WIRING DIAGRAM

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



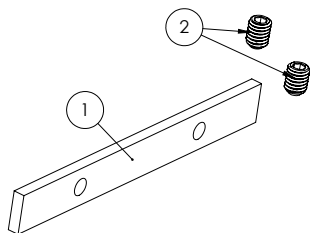
KEY COMPONENTS



Note: Lead wire will either come out from side or back of channel

ADDITIONAL COMPONENTS

These are certain standard components that comes along with the ZENLITE® Lighting system as follows:

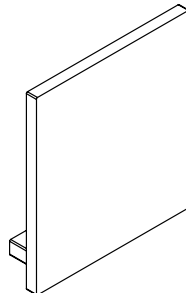


Metal Channel Connector

Length: 2 inches

Purpose: To connect to straight ZENLITE® Channels

Part #: **ZNLT-CNCT-MTL**

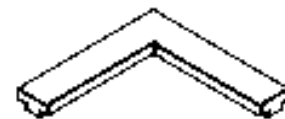


End Cap

Length: 1 inch

Purpose: To be attached at the beginning of ZENLITE® channel

Part #: **ZNLT-SM1-EDCP**



ZigZag T-Shape Connector

Length: 1 x 1 inches

Purpose: To connect to straight ZENLITE® Channels trimmed at 45 Degrees to form a 90 Degree bend

Part #: **ZNLT-CNCT-ZG90**



Alignment Pins

Length: 0.5 x 0.09 inches

Purpose: To guide the fixture connect and align

Part #: **ZNLT-ALM-PIN**