ZENLITE® ARC2-SM

Surface Mount LED Lighting System

preciseLED
Precision Through Innovation

DESCRIPTION

ZENLITE® Arc2 Surface Mount is a curved LED Lighting System that can be specified to any curvature and radius. This fixture can be combined with Arc2 pendant and recessed to create one continuous seamless light. ZENLITE® Arc2 Surface Mount, along with the rest of the ZENLITE® series, allows for complete freedom of light design.

DIMENSIONS

2.00in — Lens
3.60in
Tape Light
2.25in
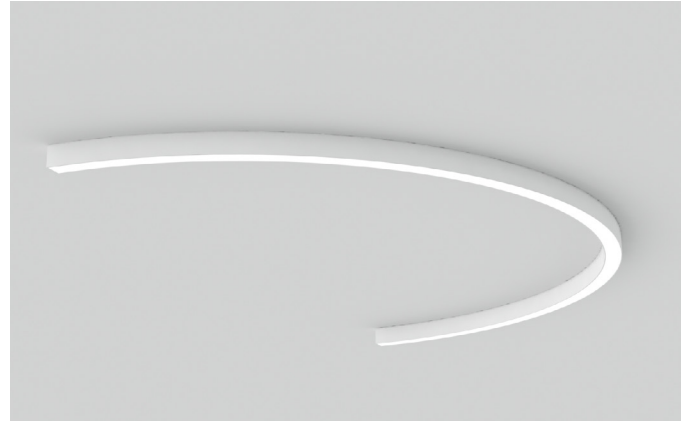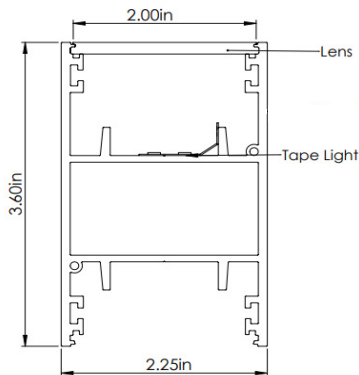
LUMEN OUTPUT PERFORMANCE

Light Module	Lumens/ft**	Watts/ft
ATBM	275	4.4
ATBL	125	2
ATBC	358	6
ATBU	585	8
ATBS	285	4.4*

* IP54 rated module available
** The Lumens/ft values are estimated based on a color temperature of 35K

Color Temp	27K	30K	35K	40K
Multiplier	0.73	.88	1	1.08

Lens	CLNS	DLNS
Multiplier	1.13	1

ORDERING CODE

Example: **ZNLT-ARC2-SM-AS-14-SC-25R-ATBM-24V-95C-27K-WH-MG**

Product	Type	Length	Curve Type	Curve Radius	Light Module |Cuttable Length
ZNLT-ARC2-SM					
ZNLT-ARC2-SM	**ST** Straight **AS** Arc segment **CIR** Full Circle	**XX** Length **Note:** Lengths can be specified down to 0.25 inch.	**SC** Side curve **(Default)** **Note:** See chart below for details	**XXR** Radius **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**	**ATBM** Arc Two Beam | 2.83 in **ATBL** Arc Two Beam Low | 2.83 in **ATBC** Arc Two Beam Cool | 2.83 in **ARWW** Arc Two Beam RGBWW | 2.46 in **ATBU** Arc Two Beam Ultra | 2.83 in **ATBS** Arc Two Beam Splash | 2.83 in

Voltage	CRI	Color Temp.	Lens	Housing Finish	Drivers*
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#: * consult factory for availability	**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

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■ PRODUCTION OPTIONS (Optional for Lighting designers)

OPTION A
Ship channels and flanges 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 and flanges 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. Prepunched holes (every 16") in rear of fixture may not match stud location, additional drilling may be required.

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. Prepunched holes (every 16") in rear of fixture may not match stud location, additional drilling may be required.

Note: Approved shop drawings are needed for custom configurations.
Aluminum Channels and PVC L-Beads come in a maximum available length of 8 feet. Seamless Lens can be shipped in roll lengths up to 40 feet. For fixture longer than 8ft, multiple 8ft channels need to be joined together by means of straight channel connectors.

■ SPECIFICATIONS

LED SYSTEM
The LED system consists of six different light modules to choose from; ATBM, ATBL, ATBC, ARWW, ATBU, and ATBS 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. They have a minimum 95CRI (color rendering index) and have gone through a 3-step binning process.

OPTICS
Silicone lens with UV surface, continuous run 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: forward phase, 1% magnetic low voltage (dims down to 1%) dimming and flicker free.

  ZO driver: 1% 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.

• **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 reccesed version

Note: Consult factory for connection with reccesed version

CONSTRUCTION
• DIMENSIONS: 0.89" W x 1" 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.
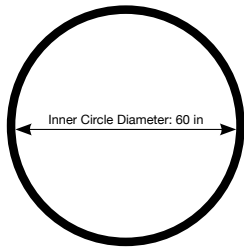
LISTING/WARRANTY
• WARRANTY: 5 year limited warranty, ambient temperatures at fixture location should not exceed 40°C during normal operation.
• IP Protection: IP20
• CRI ≥ 95
• 50,000 hours lamp life
• US & International Patents Pending

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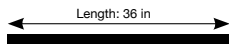Valley Stream, NY 11580

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■ TYPES OF ZENLITE ARC CHANNELS:

Inner Circle Diameter: 60 in

Full Circle
Order info: Radius
Sample order code:
ZNLT-ARC2-SM-CIR-30R-ATBM-24V-95C-27K-MG

Inner Arc Radius: 51.5 in

Arc Length: 45 in

Arc Segment
Order info: Radius and Length/Degree
Sample order code:
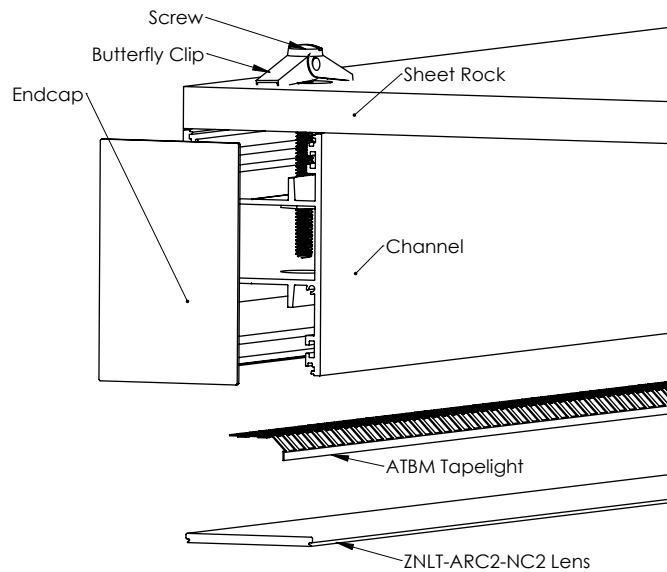ZNLT-ARC2-SM-AS-45"-51.5R-ATBM-24V-95C-27K-MG

Arcs with different radii are separated into different segments. Sample order code:
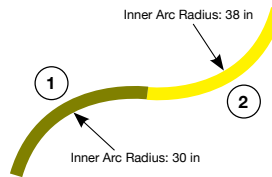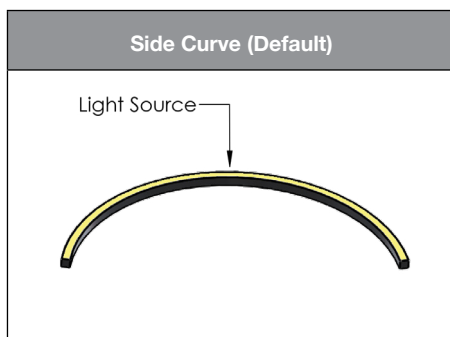
1 ZNLT-ARC2-SM-AS-16-30R-ATBM-24V-95C-27K-MG

2 ZNLT-ARC2-SM-AS-16-38R-ATBM-24V-95C-27K-MG

Inner Arc Radius: 38 in

Inner Arc Radius: 30 in

Length: 36 in

Straight
Order info: Length
Sample order code:
ZNLT-ARC2-SM-ST-36-ATBM-24V-95C-27K-MG

■ KEY COMPONENTS

Screw

Butterfly Clip

Endcap

Sheet Rock

Channel

ATBM Tapelight

ZNLT-ARC2-NC2 Lens

■ CURVE TYPE CHART

Side Curve (Default)

Light Source

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

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ADDITIONAL COMPONENTS

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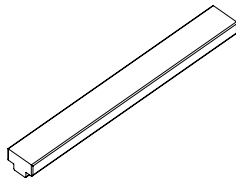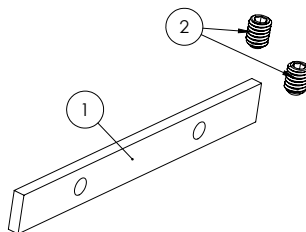

T-shape Connector
Length: 2 inches
Purpose: To connect to straight ZENLITE® Channels
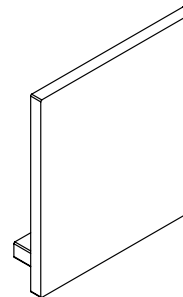Part #: **ZNLT-CNCT-STRT**

Metal Channel Connector
Length: 2 inches
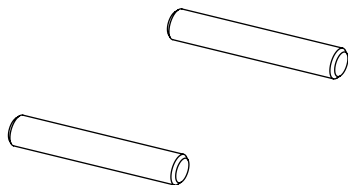Purpose: To connect to straight ZEN-LITE® Channels
Part #: **ZNLT-CNCT-MTL**

End Cap
Purpose: To be attached at the beginning of ZENLITE® channel
Part #: **ZNLT-ARC2-SM-EDCP**

Alignment Pins
Purpose: To align multiple ZENLITE® channels during installation
Part #: **ZNLT-PINS**

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