ZENLITE® ARC1-PM

Pendant Mount Curved LED Lighting System

preciseLED
Precision Through Innovation

DESCRIPTION

ZENLITE® Arc1 Pendant Mount is a curved LED Lighting System that can be specified to any curvature. This fixture can be combined with Arc1 surface and recessed to create one continuous seamless light. ZENLITE® Arc1 Pendant Mount, along with the rest of the ZENLITE® series, allows for complete freedom of light design.
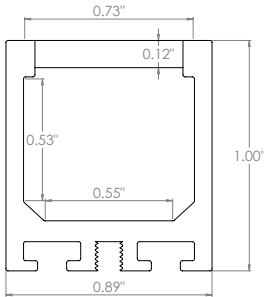
LUMEN OUTPUT PERFORMANCE TABLE

Light Module	Lumens/ft
ACBL	209
ACBM	458
ACBC	495
ACBU	853
HIHE	474
BEAM	178
COBE	758
HRGB	116
HRGBW	220

DIMENSIONS

0.73"
0.12"
0.53"
0.55"
1.00"
0.89"

ORDERING CODE

Example: **ZNLT-ARC1-PM-AS-157-SC-25R-ACBM-24V-95C-27K-DLNS-WH-F5RAW36-MG**

Product	Type	Length	Curve Type	Curve Radius	Light Module |Cuttable Length | Watts Per Feet	Voltage
ZNLT-ARC1-PM						
ZNLT-ARC1-PM	**ST** Straight **AS** Arc segment **CIR** Full Circle	**XX** Length in **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 chart below for details	**XXR** Radius in **Note:** Leave blank for straight run, input 360° for full circle. Use multiple sheets for combination of runs. Radii below 15" are considered specialty and may incur additional lead time.	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 | 4.4 W/ft * **2HRGBW** Hi Beam RGBW |2.49 inch | 5.9 W/ft */** * 95 CRI does not apply ** Available with 3000K and 4000K Only **** Please check out the Curve Type Chart on Page 3 for more information about your axes bend options	**24V**-24V

CRI	Color Temperature	Lens	Housing Finish	Pendant	Drivers
95C		**DLNS**			
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	**F5RAW36** Feed 5" **(White)** Round Canopy with 36 inches Aircraft Cable **(Default)** **F5RAB36** Feed 5" **(Black)** Round Canopy with 36 inches Aircraft Cable **Custom** Enter part# from **Table 1** below: **Note:** Leadwire for tapelight will be the same length as the aircraft cable	**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

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■ AIR CRAFT CABLE AND STEM MOUNTING OPTION CONTINUED (TABLE 1)

Type	Canopy	Hardware	Color	Length
F Feed Kit **N** Non-Feed Kit	**5R** 5" Round (**Default**) **5S** 5" Square **Note:** other sizes available, consult factory for details	**A** Air Craft Cable (**Default**) **S** Stem **P** Power Cable (**Gray**)	**W** White (**Default**) **B** Black **X** Custom RAL#:	**18** 18 Inch **36** 36 Inch (**Default**) **48** 48 Inch **72** 72 Inch **XX** Custom Length: **Default Length:** Air Craft Cable: 36" Stem: 18"

■ PENDANT HARDWARE TYPES

Aircraft Cable

Canopy

Aircraft cable

Feed Kit

Non Feed Kit

Power Cable

Feed Kit

Non Feed Kit

Note: Lead wire is inside power cable

Stem

Stem

Feed Kit

Non Feed Kit

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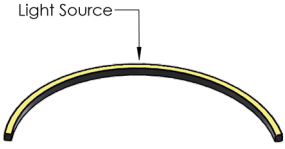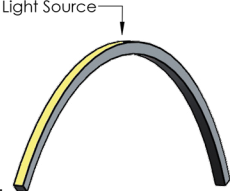Valley Stream, NY 11580
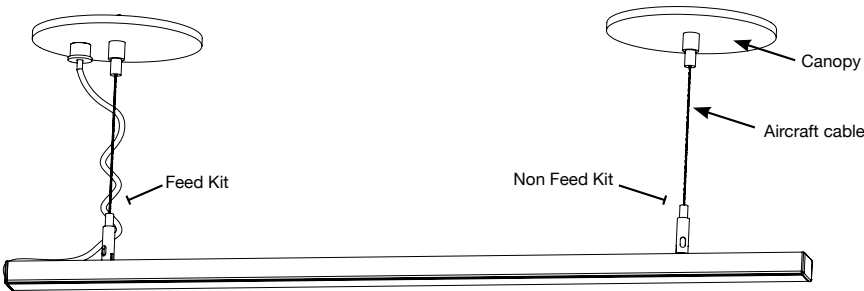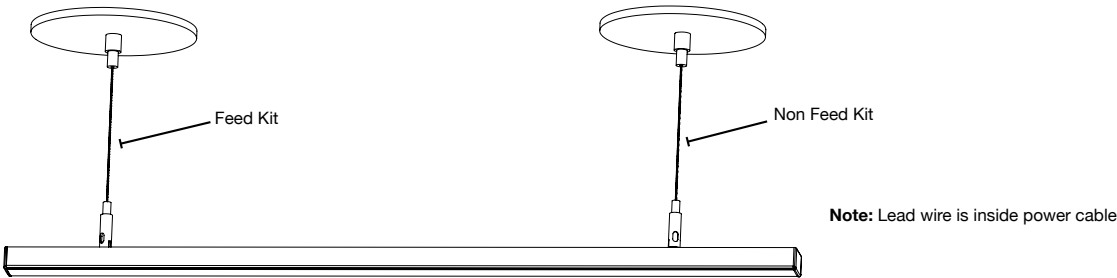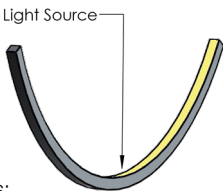
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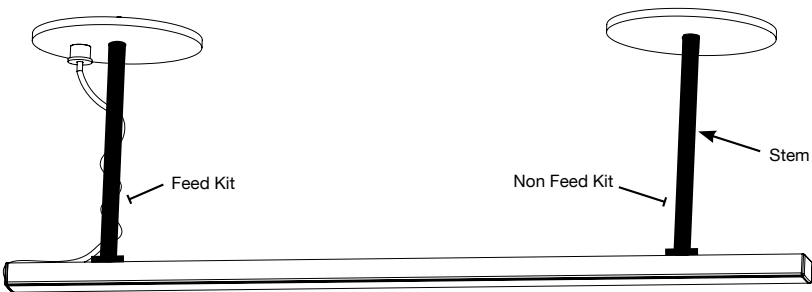
CURVE TYPE CHART

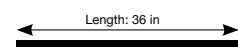| XY Side Curve (Default)	XZ Inward Curve	XZ Outward Curve
Light Source	Light Source	Light Source
Tapelights: ACBM ACBC ACBL ACBU ACBS	Tapelights: HRGB HRGBW HIHE BEAM COBE	Tapelights: HRGB HRGBW HIHE BEAM COBE

Note: Bending on both axis (helix or spiral) curves are not available
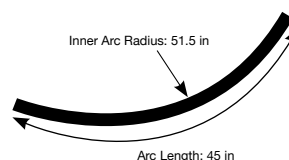
TYPES OF ZENLITE ARC CHANNELS:
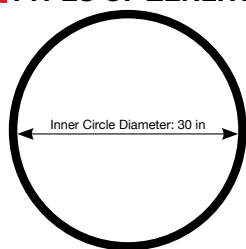
Full Circle
Inner Circle Diameter: 30 in
Order info: Radius
Sample order code:
ZNLT-ARC1-PM-CIR-15R-ACBM-24V-95C-27K-MG

Inner Arc Radius: 51.5 in
Arc Length: 45 in

Arc Segment
Order info: Radius and Length/Degree
Sample order code:
ZNLT-ARC1-PM-AS-45"-51.5R-ACBM-24V-95C-27K-MG
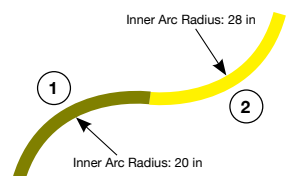
Arcs with different radii are separated into different segments. Sample order code:

1 ZNLT-ARC1-PM-AS-16-20R-ACBM-24V-95C-27K-MG

2 ZNLT-ARC1-PM-AS-16-28R-ACBM-24V-95C-27K-MG

Inner Arc Radius: 28 in
Inner Arc Radius: 20 in

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

SPECIFICATIONS

LED SYSTEM

- LED ENGINE: 2700K, 3000K, 3500K, 4000K
  ARC BEAM: First tape light designed to smoothly bend on the horizontal axis. Contains a flexible copper core; cut and soldered to specific length in our factory. Dimmable using a dimmable driver.
- CRI: Minimum 95 color rendering index
- COLOR CONSISTENCY: 3-step binning LEDs
- OPTICS: Silicone lens with UV surface, continuous run up to 40ft.

ELECTRICAL

- STANDARD DRIVER: 120-277VAC, drivers are mounted remotely.
  MG: Forward phase 1% magnetic low voltage dimming (dims down to 1%) and flicker free
  ZO: 1% 0-10V dimming, flicker free, and IP65 rated for both indoor and outdoor use
  NN: Non dimming, flicker free, and IP65 rated for both indoor and outdoor use
  LUTRON DRIVER L3: Hi-lume 1% EcoSystem 3-Wire Driver, provides continuous and flicker free dimming from 100% to 1%.
  LUTRON DRIVER LP: 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. Cable length will be the same as pendant cable length
- EMERGENCY (Optional): Remote emergency battery pack provides backup power for 90 minutes. Remote emergency test switch included.

provided by default with the additional choices of black or custom colors. Air craft length can be 18, 36, 48, or 72 inches with the option for custom lengths.

- Mounting brackets are provided to be attached to the pendant kit; allowing for the pendant to be mounted directly into the ceiling. This design is versatile for any location and easily moved.

*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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■ 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)

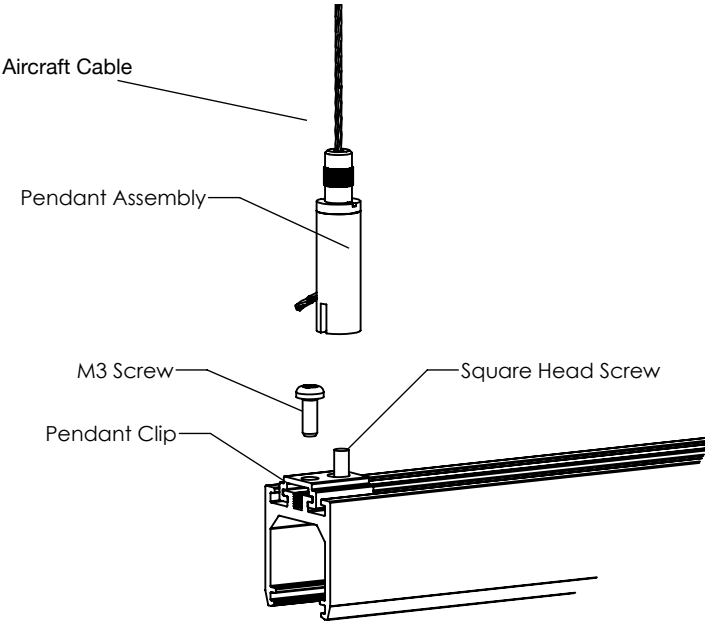Note: Exact field measurements must be provided, factory does not take responsibility for field measurement errors.

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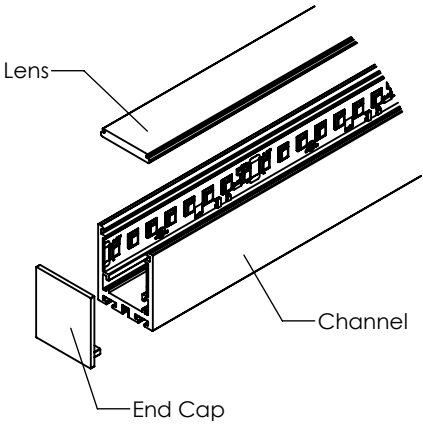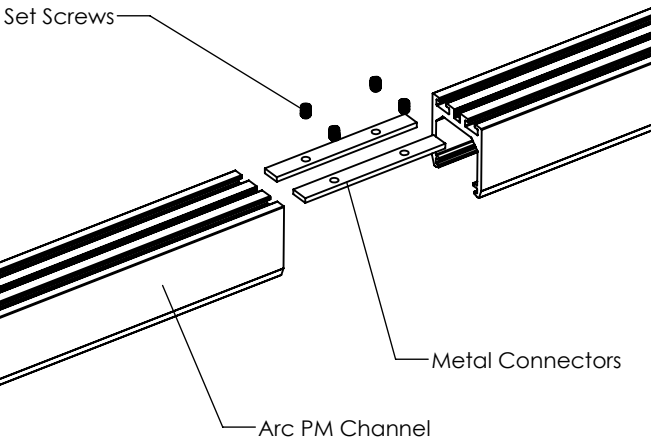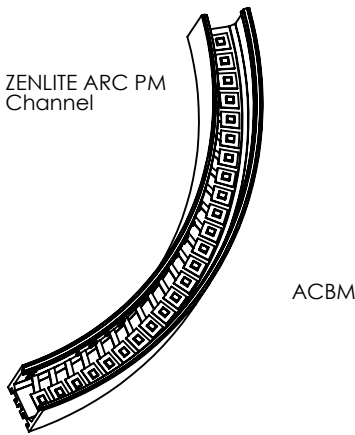
Note: The maximum length of a single channel is 8ft. For runs that are longer than 8ft, multiple 8ft channels need to be join together by means of straight channel connectors. Seamless lenses can be shipped in rolls of lengths up to 40 feet.

■ KEY COMPONENTS

Pendant Kit Components

Aircraft Cable

Pendant Assembly

M3 Screw

Pendant Clip

Square Head Screw

Set Screws

Metal Connectors

Arc PM Channel

Arc Beam Installed

ZENLITE ARC PM Channel

ACBM

Lens

Channel

End Cap

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

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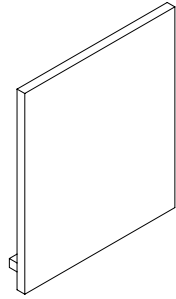
◼ ADDITIONAL COMPONENTS

These are certain standard components that comes along with the ZENLITE® Lighting system as follows:
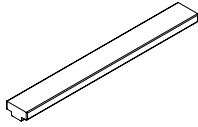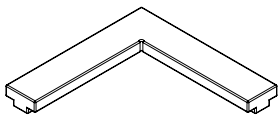
T-shape Connector
Length: 2 inches
Purpose: To connect to straight ZENLITE® Channels
Part #: **ZNLT-CNCT-STRT**
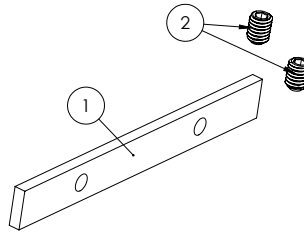
Metal Channel Connector
Length: 2 inches
Purpose: To connect to straight ZENLITE® Channels
Part #: **ZNLT-CNCT-MTL**

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**

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