

ZENLITE® ARC1-PM-2G

Pendant Mount Curved LED Lighting System

DESCRIPTION

ZENLITE® Arc1 Pendant Mount 2G is a curved LED Lighting System that can be specified to any curvature and radius. This fixture can be combined with Arc1 surface and recessed to create one continuous seamless light. The fixture is designed to reduce and even eliminate light leaks. ZENLITE® Arc1 Pendant Mount 2G, along with the rest of the ZENLITE® series, allows for complete freedom of light design.

LUMEN OUTPUT PERFORMANCE TABLE

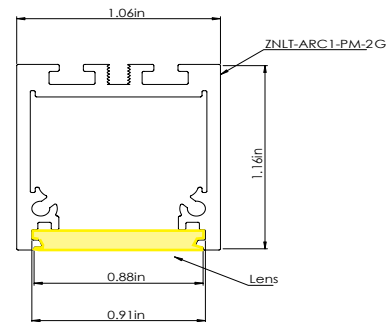
| Light Module | Lumens/ft |
|--------------|-----------|
| ACBL | 209 |
| ACBM | 458 |
| ACBC | 495 |
| ACBU | 853 |
| HIHE | 474 |
| BEAM | 178 |
| COBE | 758 |
| HRGB | 116 |
| HRGBW | 220 |

Project Name:

Fixture Type:



DIMENSIONS



ORDERING CODE

Example: ZNLT-ARC1-PM-2G-AS-157-SC-25R-ACBM-24V-95C-27K-DLNS-WH-F5RAW36-MG

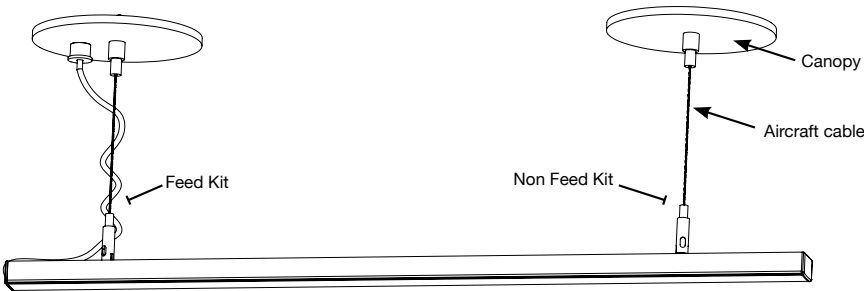
| Product | Type | Segment Length | Curve Type | Curve Radius | Light Module Cuttable Length Watts Per Feet | Voltage |
|-----------------|--|---|--|---|--|---------|
| ZNLT-ARC1-PM-2G | | | | | | |
| ZNLT-ARC1-PM-2G | ST Straight AS Arc segment CIR Full Circle | XX Length in Note: Lengths can be specified 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. 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 | <u>XY Bend****</u> 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 <u>XZ Bend****</u> 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 * 2HRGBW 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 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 | |

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

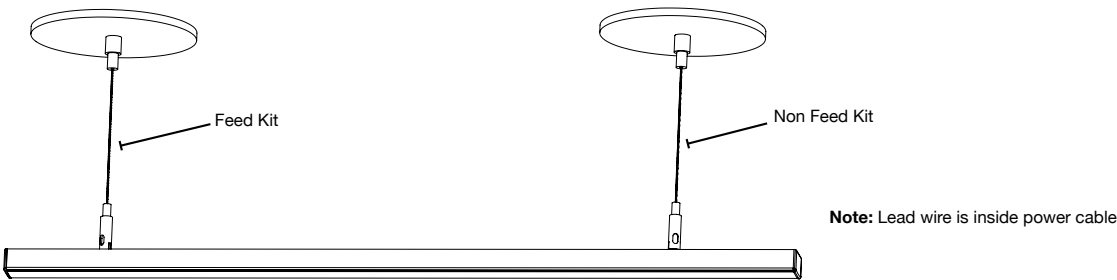
| Type | Canopy | Hardware | Color | Length |
|--|--|--|---|---|
| F Feed Kit N Non-Feed Kit | 5R 5" Round (Default) 5S 5" Square Note: other sizes available, consult factory for details | A Air Craft Cable (Default) S Stem P Power Cable (Gray) | W White (Default) B Black X Custom RAL#: | 18 18 Inch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

PENDANT HARDWARE TYPES

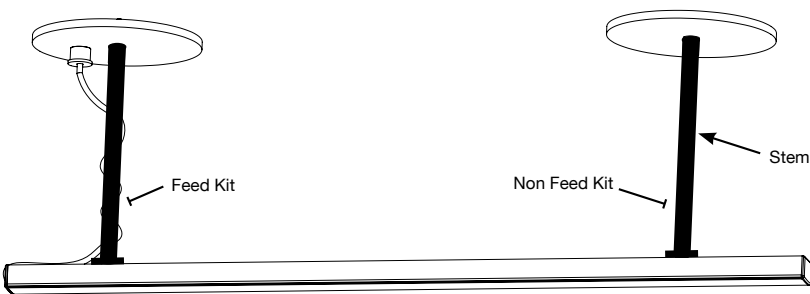
Aircraft Cable



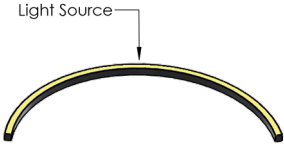
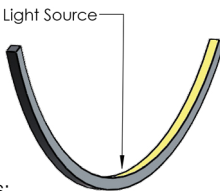
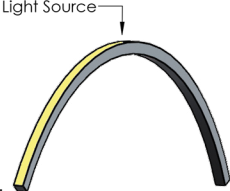
Power Cable



Stem

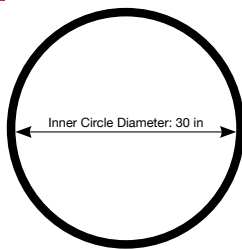


CURVE TYPE CHART

| 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> |

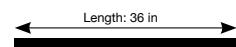
Note: Bending on both axis (helix or spiral) curves are not available

TYPES OF ZENLITE ARC CHANNELS:



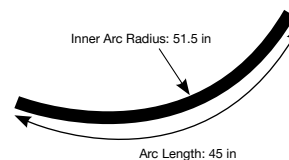
Full Circle

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



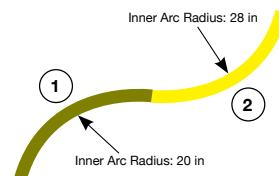
Straight

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



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

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 recessed version

CONSTRUCTION

- DIMENSIONS: 1.06" W x 1.16" 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

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

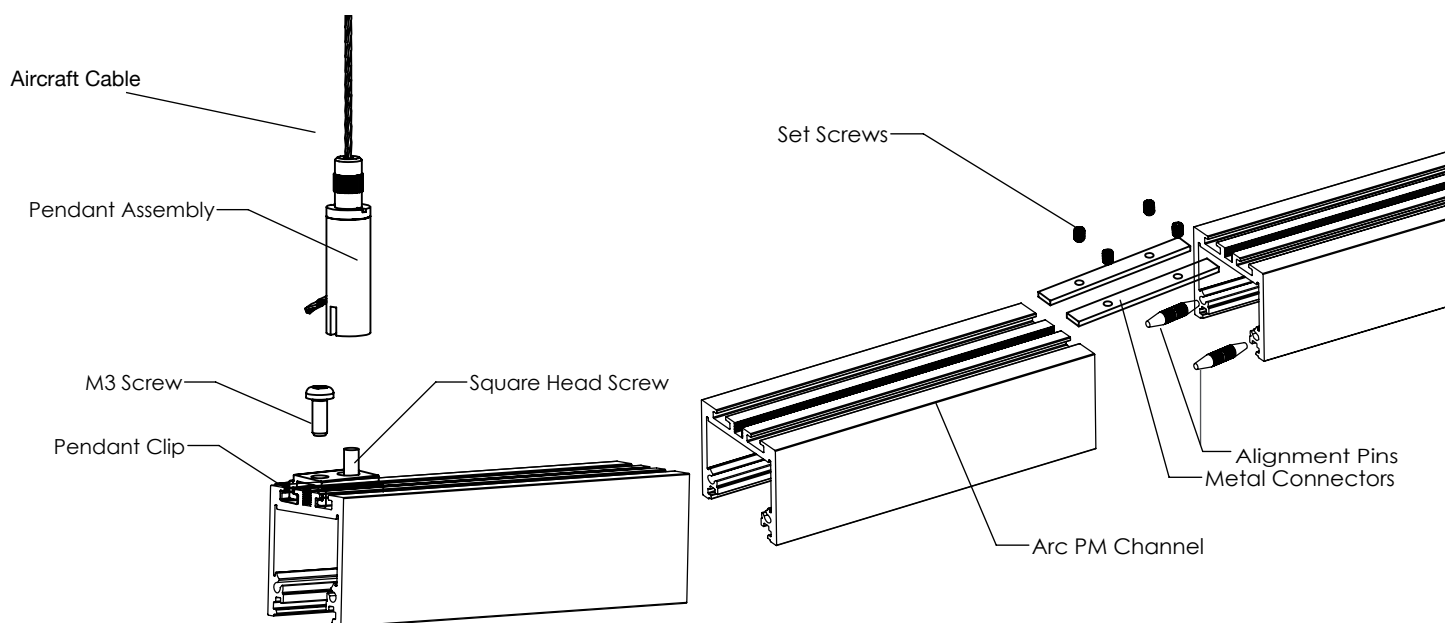
Ship fixture preloaded with LED module

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.

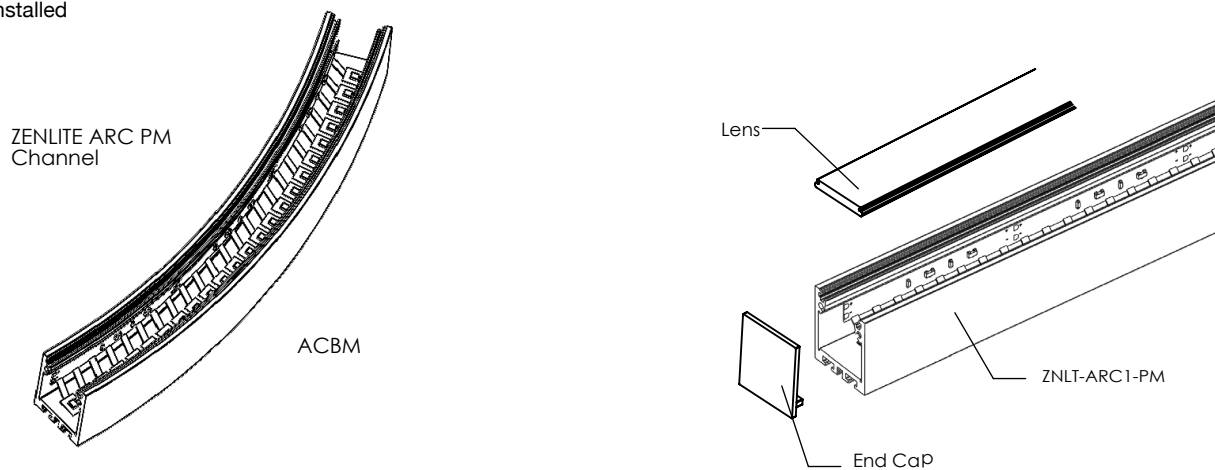
Note: The maximum length of a single channel is 8ft. For runs that are longer than 8ft, multiple 8ft channels need to be join together by means of straight channel connectors. Seamless lenses can be shipped in rolls of lengths up to 40 feet.

KEY COMPONENTS

Pendant Kit Components



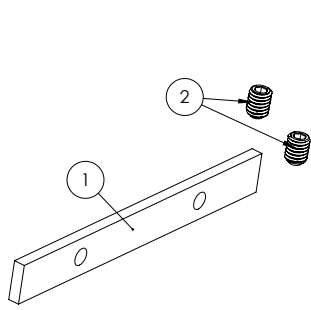
Arc Beam Installed



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:

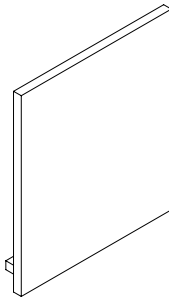


Metal Channel Connector

Length: 2 inches

Purpose: To connect to straight ZENLITE® Channels

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

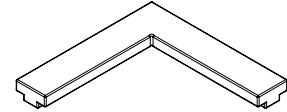


End Cap

Length: 1 inch

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

Part #: **ZNLT-PM1-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**