

ZENLITE® ARC1 50/50 Ceiling

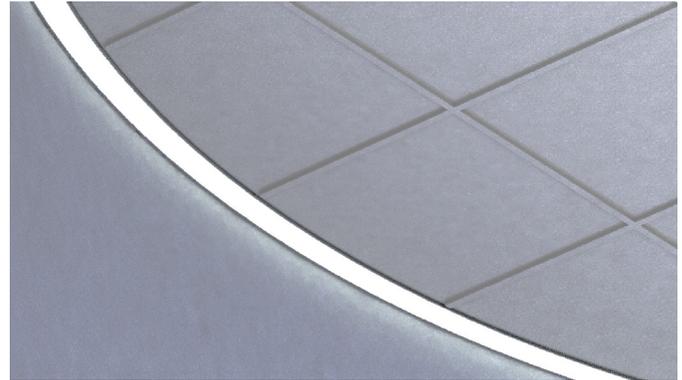
Curved LED Lighting System for New Construction

Project Name: _____

Fixture Type: _____

DESCRIPTION

ZENLITE® Arc1 is a curved LED Lighting System for 50/50 ceilings that can be specified to any curvature. Our patent-pending design features an easy installation process. The channel is installed directly to blocking, allowing the electrician to complete their work! The contractor can then put up the 9/16 T-Grid and wall. The Zenlite Arc1 can be combined with the Arc1 Pendant and Surface mounted fixtures to create one continuous seamless light. ZENLITE® Arc1, along with the rest of the ZENLITE® series, allows for complete freedom of light design.



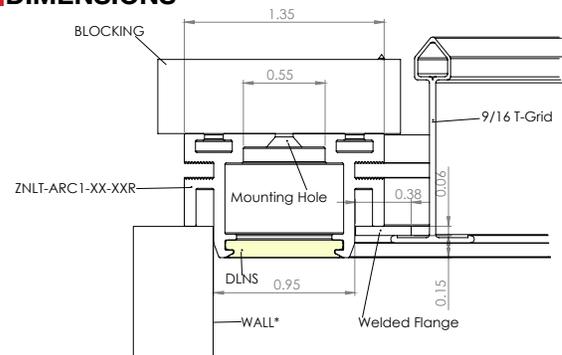
LUMEN OUTPUT PERFORMANCE TABLE

Light Module	Lumens/ft*
ACBM	222

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

*Note: Results were obtained using a 1ft sample with diffused lens

DIMENSIONS



*NOTE: Wall is to be built after channel installation

ORDERING CODE

Example: ZNLT-ARC1-AS-14-25R-ACBM-24V-95C-27K-DLNS-MG

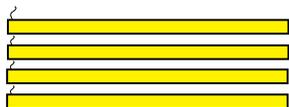
Product	Assembly	Type	Segment Length	Curve Radius	Light Module Cutable Length Watts Per Feet	Voltage
ZNLT-ARC1						24V
ZNLT-ARC1	PRL Preloaded PRA Preassembled UNA Unassembled	ST Straight AS Arc segment CIR Full circle	XX Length In Inches Note: Lengths can be specified down to 0.25 inch. Leave blank for full circle (CIR).	XXR Radius in inches 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 cost and 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 ARGW Arc Beam RGBW 2.81 inch 2 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	24V-24V

CRI	Color Temp	Lens	Driver	Housing
95C		DLNS		
95C ≥ 95 CRI	27K 2700K 30K 3000K 35K 3500K 40K 4000K	DLNS Diffused Lens	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 EcoSys tem/3-wire *Drivers are remotely mounted	ST Standard (Default) CP Chicago Plenum

PRODUCTION OPTIONS

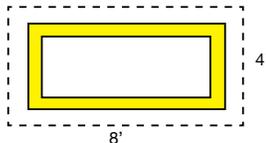
PRELOADED

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.

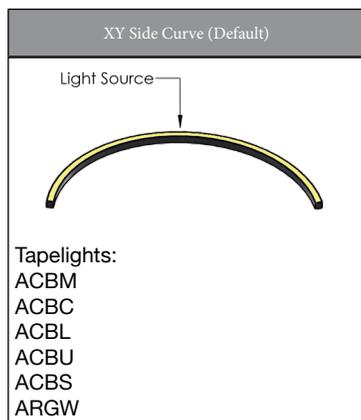


UNASSEMBLED

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

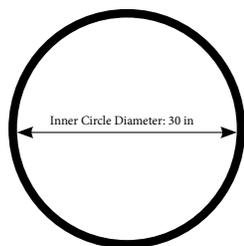


CURVE TYPE CHART

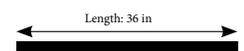


Note: Helix or spiral curves are not available

TYPES OF ZENLITE ARC CHANNELS:

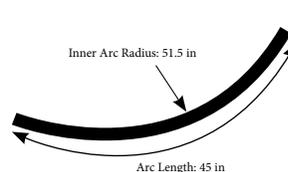


Full Circle
Order info: Radius
Sample order code:
ZNLT-ARC1-CIR-15R-ACBM-24V-95C-27K-MG



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

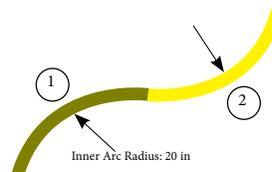
Inner Arc Radius: 28 in



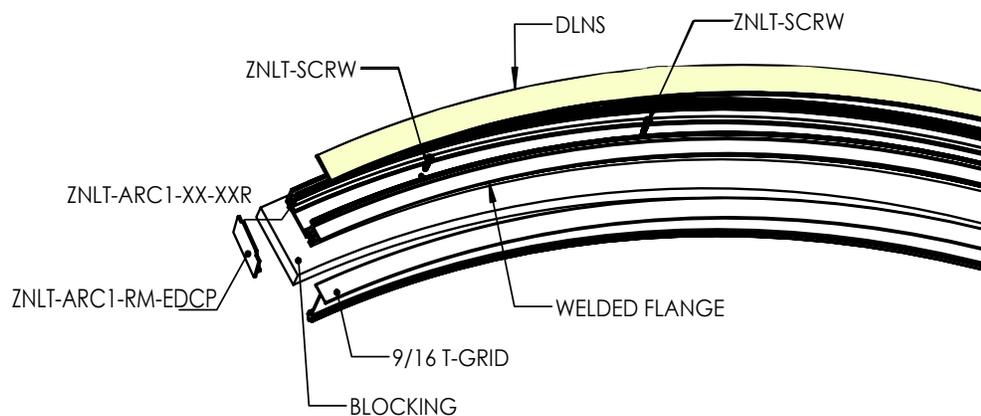
Arc Segment
Order info: Radius and Length/Degree
Sample order code:
ZNLT-ARC1-AS-45"-51.5R-ACBM-24V-95C-27K-MG

Arcs with different radii are separated into different segments.
Sample order code:

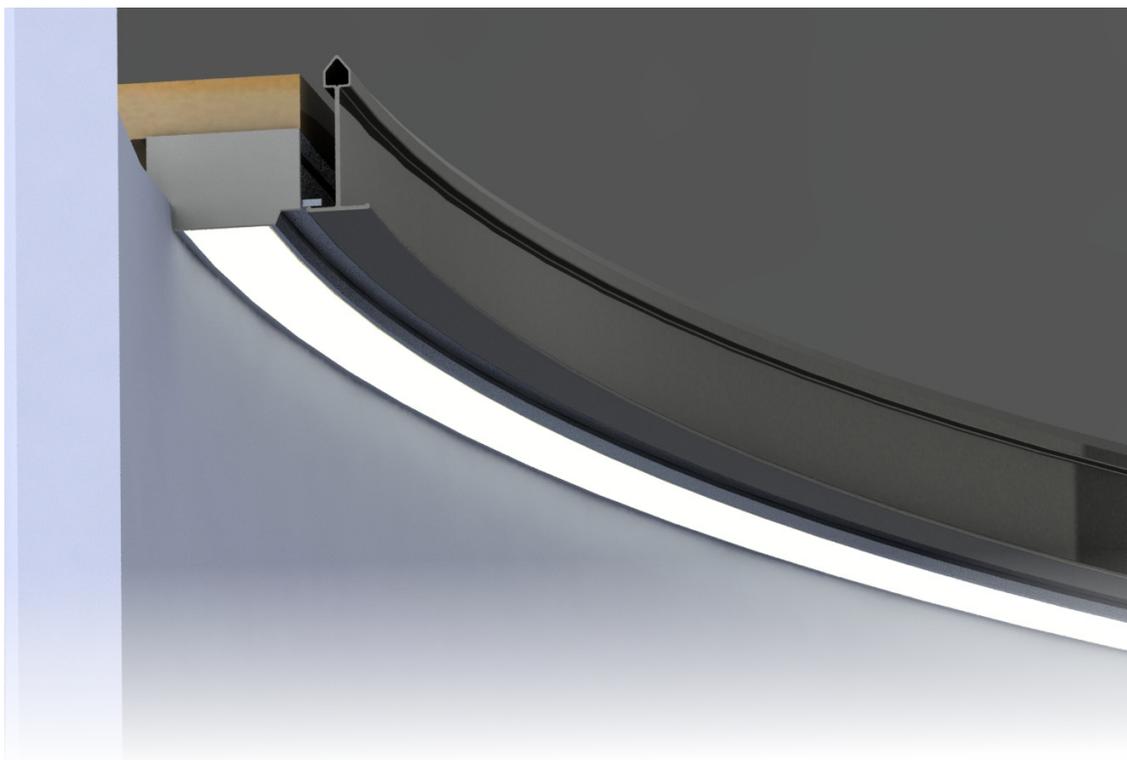
- ① ZNLT-ARC1-AS-16-20R-ACBM-24V-95C-27K-MG
- ② ZNLT-ARC1-AS-16-28R-ACBM-24V-95C-27K-MG



■ FIXTURE COMPONENTS



■ ASSEMBLED VIEW



■ SPECIFICATIONS

LED SYSTEM

The LED system consists of six different light modules to choose from; ACBL, ACBM, ACBC, ACBU and ARGW 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 HRGB and HRGBW 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.

OPTICS

For this fixture, 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.
- **EMERGENCY (Optional):** Remote emergency battery pack provides backup power for 90 minutes. Remote emergency test switch included.

MOUNTING

Proprietary design allows the fixture to be mounted directly onto studs first and accommodates 5/8" drywalls or ceilings. Contains prepunched holes spaced 16" apart with the option for additional holes to be drilled into the rear flange for versatility. Able to easily connect to other channels with use of connectors.

CONSTRUCTION

- **DIMENSIONS:** 1.35" W x .84" H
- **HOUSING:** Anodized aluminum extrusion cut with high precision equipment with up to 98% reflectivity on the inside.

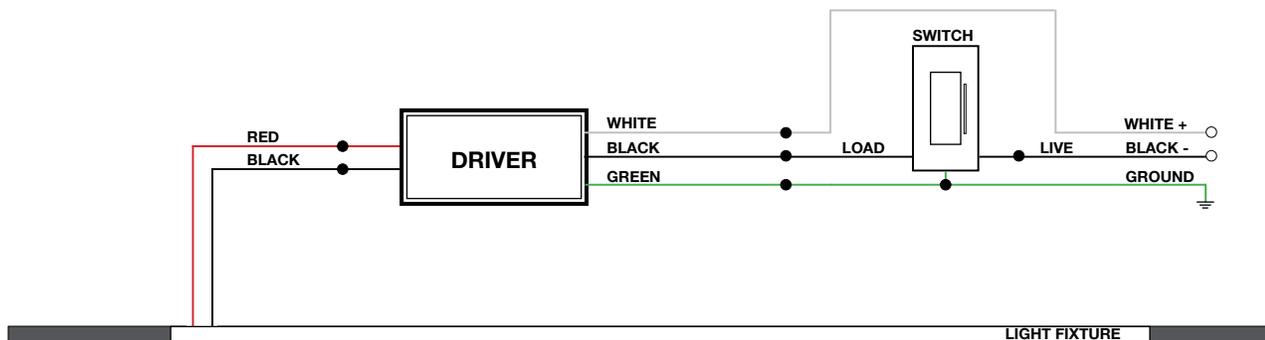
LISTING/WARRANTY

- **APPROVALS:** UL/C-UL listed for dry and damp locations (walls and ceilings). IC rated.
- **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 Patent, Patent No. US10125933B1**



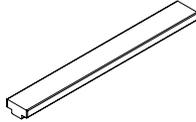
■ WIRING DIAGRAM

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

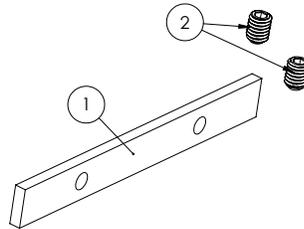


ADDITIONAL COMPONENTS

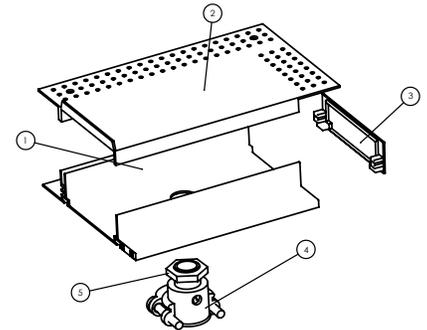
These are certain standard components that comes along with the ZENLITE® Lighting system as follows:



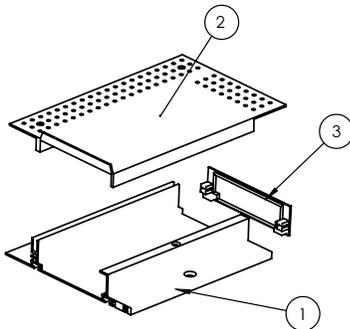
T-shape Connector
Length: 2 inches
Purpose: To connect to straight ZENLITE® Channels
Part #: ZNLT-CNCT-STRT



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



Beginning Module
Length: 5 inches
Purpose: To be attached at the beginning of ZENLITE® channel by means of two T-shape connectors
Sub-Components:
1. 4 in Channel with hole
2. Channel Cover
3. End Cap
4. BX Cable Connector
5. BX Connector Nut
Part #: ZNLT-NC2-PMTR-BGNM



End Module
Length: 5 inches
Purpose: To be attached at the end of ZENLITE® channel by means of two T-shape connectors
Sub-Components:
1. 4 in Channel without hole
2. Channel Cover
3. End Cap
Part #: ZNLT-NC2-PMTR-ENDM