ZENLITE® ASYMMETRICAL

LED Lighting System for 5/8" Drywall Ceilings/Walls
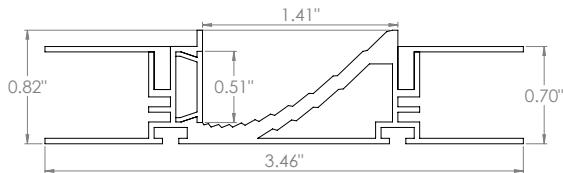
preciseLED
Precision Through Innovation

Project Name:
Fixture Type:

DESCRIPTION

ZENLITE® ASYMMETRICAL is an LED Lighting System designed for 5/8" drywall ceilings and walls, and is the thickness of the drywall itself, requiring no special framing. Our unique design allows for projection of uniform light over walls/ceilings for an unmatched grazing effect, designed to accentuate spaces. ZENLITE® ASYMMETRICAL is installed directly to studs with 16-inch spacing screw holes.

DIMENSIONS

Dimensions shown: 1.41", 0.82", 0.51", 0.70", 3.46"

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

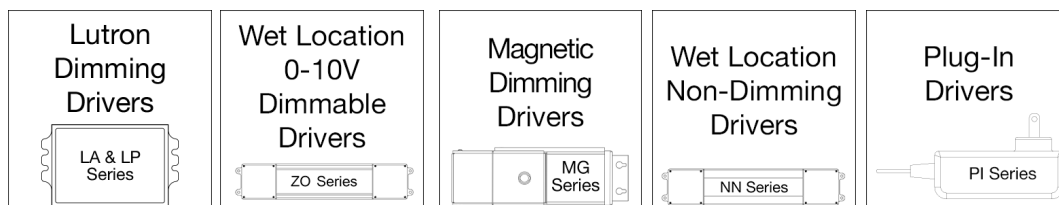| Color	Clear Lens	Diffuse Lens	Opal Lens
Metallic	57%	53%	33%
White	64%	60%	37%

ORDERING CODE

Example: **ZNLT-AS1.5-14-HIHE-24V-95C-27K-DLNS-MG-BK**

Product	Length	Light Module |Cuttable Length | Watts Per Feet	CRI	Volt
ZNLT-AS1.5			**95C**	**24V**
ZNLT-AS1.5	**XX** Length In Feet (only) ft	**HIHE** Hi Beam Hi Efficacy |2.46 inch | 4.4 W/ft **COBE** Cool Beam |2.46 inch | 6.2 W/ft ***** This number is referring to the source lumen output. For the actual lumen output please multiply by the percentage values in the table above	**95C** ≥ 95 CRI	**24V-** 24V

Color Temperature	Lens	Driver	Color	Housing
22K 2200K **24K** 2400K **27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K	**CLNS** Clear **DLNS** Diffused **OLNS** Opal	**MG** (1% Magnetic Dimming) **ZO** (1% 0-10V Dimming) **NN** Non Dimming **L2** Lutron Hi-lume Forward Phase 120V 1% 2-wire (40W max.) **L3** Lutron Hi-lume 1% 3-wire/ EcoSystem **LP** Lutron Hi-lume Premier 0.1% FadeToBlack EcoSystem/3-wire Drivers are remotely mounted	**BK** Black **WH** White **ML** Metallic **CS** Custom * * Contact Preciseled for custom colors available.	**ST** Standard **(Default)** **CP** Chicago Plenum

COMPATIBLE TAPE LIGHT DRIVERS

Lutron Dimming Drivers	Wet Location 0-10V Dimmable Drivers	Magnetic Dimming Drivers	Wet Location Non-Dimming Drivers	Plug-In Drivers
LA & LP Series	ZO Series	MG Series	NN Series	PI Series

Click here for a more detailed driver overview.

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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.

■ **SPECIFICATIONS**

LED SYSTEM
- LED ENGINE: 2700K, 3000K, 3500K, 4000K
  Dimmable with compatible drivers.
- CRI: Minimum 95 color rendering index
- COLOR CONSISTENCY: 3-step binning LEDs
- OPTICS: Polycarbonate lens with clear, diffused, or opal lens available and field changeable. Able to run continuously 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 L2: Hi-lume 1% 2-Wire LED Driver, provides continuous and flicker free dimming from 100% to 1%.
  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 certain 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.
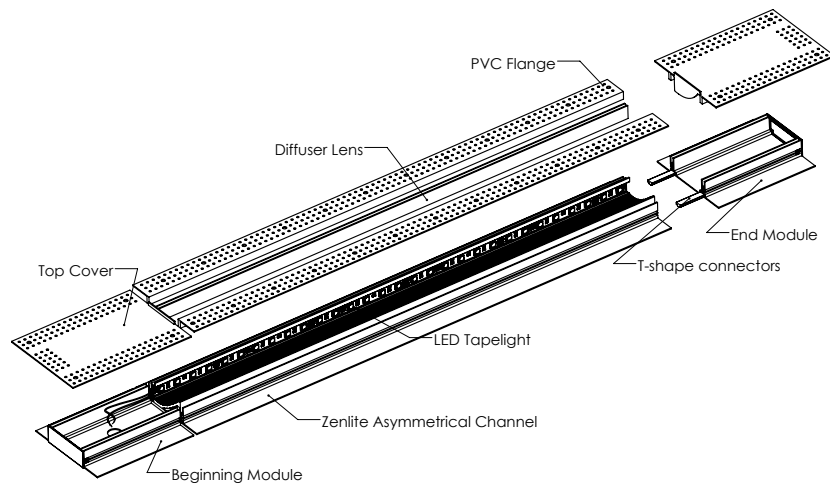
CONSTRUCTION
- DIMENSIONS: 3.46"W x .82" H
- HOUSING: Anodized aluminum extrusion cut with high precision equipment with up to 98% reflectivity on the inside. PVC flange with low thermal conductivity to prevent heat from spreading to the surface of the paint/spackle.
- HOUSING FINISH: Powder coated white by default; with black and metallic available, and the option for custom colors. This provides the channel with a smooth finish and a defined color.
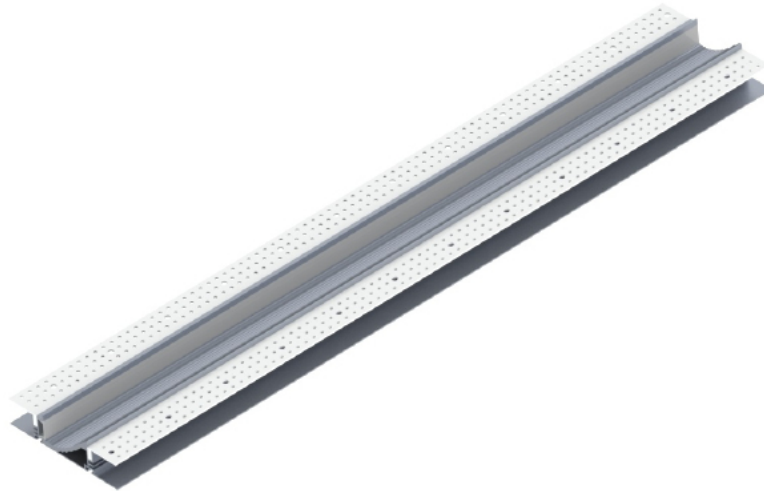
LISTING/WARRANTY
- APPROVALS: UL/C-UL listed for dry and damp locations. IC rated.
- WARRANTY: 5 year limited warranty, ambient temperatures at fix ture location should not exceed 40°C during normal operation.
- IP Protection: IP20
- Suitable for damp location
- CRI ≥ 95
- 50,000 hours lamp life
- US & International Patents

UL CERTIFIED SAFETY US-CA

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■ FIXTURE COMPONENTS

- PVC Flange
- Diffuser Lens
- Top Cover
- End Module
- T-shape connectors
- LED Tapelight
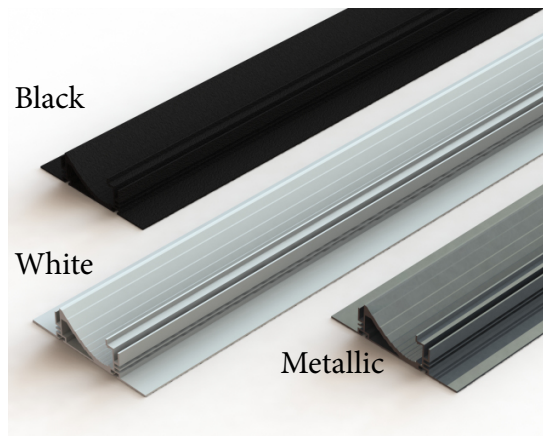- Zenlite Asymmetrical Channel
- Beginning Module
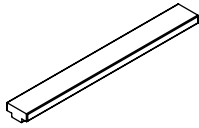
■ ASSEMBLED VIEW

■ AVAILABLE COLORS

Zenlite Asymmetrical is available in three standard colors Black, White and Metallic finish to meet your aesthetic needs. Several other colors can be ordered through special orders. Contact PreciseLED for more details.

Black

White

Metallic

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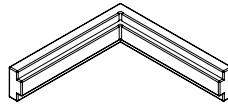
ZENLITE® ASYMMETRICAL
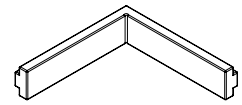
■ ADDITIONAL COMPONENTS

There are certain standard components that comes along the ZENLITE® ASYMMETRICAL Lighting system for 5/8" drywall lighting system as follows:
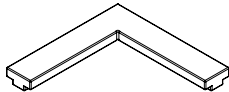

T-shape Connector
Length: 2 inches
Purpose: To connect to straight
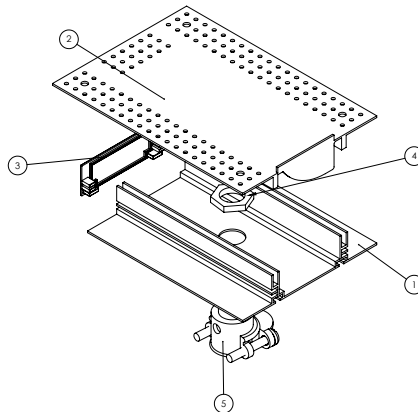ZENLITE® Channels
Part #: **ZNLT-CNCT-STRT**

Outside T-shape Connector
Length: 1 x 1 inches
Purpose: To connect to straight
ZENLITE® Channels at outside
wall corners at 90 deg
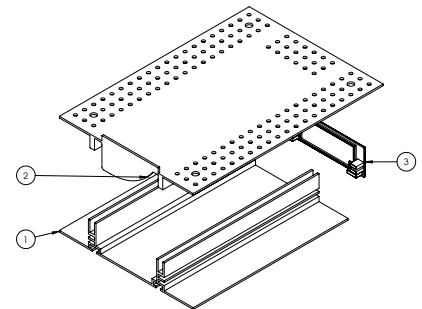Part #: **ZNLT-CNCT-OS90**

Inside T-shape Connector
Length: 1 x 1 inches
Purpose: To connect to straight
ZENLITE® Channels at inside wall
corners at 90 deg
Part #: **ZNLT-CNCT-IN90**

T-Shape Connector - ZIGZAG
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**

Beginning Module
Length: 5 inches
Purpose: To be attached at the
beginning of ZENLITE® chan-
nel by means of two T-shape
connectors
Sub-Components:
   1. 4 in Channel
   2. End Cap
   3. Channel Cover
   4. BX Cable Connector
   5. BX Connector Nut

Part #: **ZNLT-BGNM-AS1.5**

End Module
Length: 5 inches
Purpose: To be attached at the
beginning of ZENLITE® chan-
nel by means of two T-shape
connectors
Sub-Components:
   1. 4 in Channel
   2. End Cap
   3. Channel Cover
Part #: **ZNLT-ENDM-AS1.5**

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■ **Wall Wash Footcandle Distribution**

COBE 3000K Version

File Name: ZNLT-AS1.5 SPEC B03   JAN 25, 2023

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