ZENLITE® NC2-Perimeter

2" Perimeter LED Lighting System for New Construction

preciseLED
Precision Through Innovation

■ DESCRIPTION

ZENLITE® NC2-Perimeter is an LED Lighting System for 5/8" Drywall Walls/Ceilings. Our patent-pending design allows for projection of clean horizontal, vertical, and diagonal lines of light at the inside corner of two planes. Channel is installed directly to studs with 16-inch spacing screw holes. To achieve a certain light output, choose between the different available light modules and color temperatures. Light modules are also dimmable when using a dimmable driver. ZENLITE® NC2-Perimeter is a recessed lighting fixture that can create a seamless line of light and has the ability to achieve various patterns/shapes.

■ DIMENSIONS
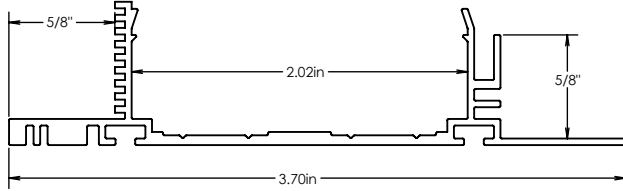
■ ORDERING CODE

Example: **PRL-ZNLT-NC2-PMTR-14-2ZGBM-24V-95C-27K-DLNS-2G-MG**

Product	Assembly	Length	Light Module |Cuttable Length | Watts Per Feet	Volt	CRI	Color Temperature	Lens
ZNLT-NC2-PMTR				**24V**	**95C**		
ZNLT-NC2-PMTR	**PRL** Preloaded **PRA** Preassembled **UNA** Unassembled	**XX** Length in inches only. Can **only** be specified to cuttable length of respective light module.	**2ZGBM** ZIGBEAM |1.2 inch | 8.8 W/ft **2ZGBL** ZIGBEAM Low |1.2 inch | 4 W/ft **2HRGB** Hi Beam RGB |3.94 inch | 8.8 W/ft **2HRGW*** Hi Beam RGBW |2.49 inch | 11.8 W/ft * 95 CRI does not apply * Only comes in 30K and 40K	**24V** - 24V	**95C** ≥ 95 CRI	**27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K	**CLNS-2G** Clear **DLNS-2G** Diffused **OLNS-2G** Opal

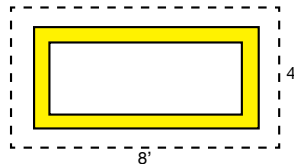| Driver		Housing	Feed Options (Beginning)	Feed Options (End)
MG (1% Magnetic Dimming) **ZO** (1% 0-10V Dimming) **NN** Non Dimming **L3** Lutron Hi-lume 1% 3-wire/EcoSystem (40W max.) **LP** Lutron Hi-lume Premier 0.1% Fade To Black EcoSystem/3-wire		**ST** Standard **(Default)** **CP** Chicago Plenum	**LBGNM** Beginning Module **ENDM** End Module **SDBX** Side BX Connector **RRBX** Rear BX Connector **ENCP** End Cap	**BGNM** Beginning Module **ENDM** End Module **SDBX** Side BX Connector **RRBX** Rear BX Connector **ENCP** End Cap

■ 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.
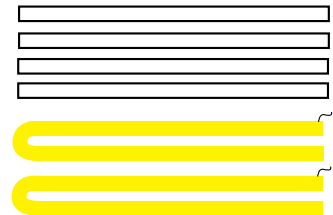

PREASSEMBLED (8'L x 4'W Maximum)

Fixture is assembled to specific size and shape desired with all components.
Only available for certain configurations.
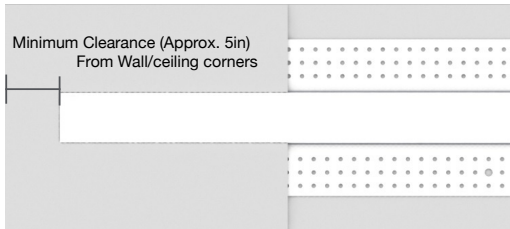*Contact factory for more information.*

UNASSEMBLED

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

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■FIXTURE CLEARANCE

Minimum Clearance (Approx. 5in) From Wall/ceiling corners

Inquire by email for clearances less than 5in and more information.

■SPECIFICATIONS

LED SYSTEM

The LED system consists of four different light modules to choose from: ZGBM, ZGBL, HRGB, and HRGW. They are the world's first miter-able tape lights and are dimmable using a dimmable driver. They enable the display of a clean line of light at the surface of the fixture's lens. HRGB and HRGW have the ability to output any color on the color wheel with HRGW having the advantage of being able to also display white light. The light modules are available in four different color temperatures of 2700K, 3000K, 3500K, and 4000K, except for HRGW, which is only available in 3000K and 4000K. They have a minimum 95CRI (color rendering index) and have gone through a 3-step binning process.

OPTICS

For this fixture, polycarbonate lens are available in a clear, diffused, or opal finish. The lens are field changeable and are able to run continuously up to 40ft.

ELECTRICAL

There are six available drivers to choose from. All LED drivers are mounted remotely and have 120-277VAC input (L2 driver operates at 120V only).

MG driver is a forward phase dimmer that provides 1% magnetic low voltage (dims down to 1%) and flicker-free dimming.

ZO driver is a driver that provides flicker-free dimming down to 1% using 0-10V dimming, and is IP65 rated for both indoor and outdoor use.

NN driver is a non-dimming, flicker-free driver that is IP65 rated for both indoor and outdoor use.

L3 driver is a 3-Wire driver from Lutron that has Hi-lume 1% EcoSystem and provides continuous and flicker-free dimming from 100%-1%

LP driver is a 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

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.
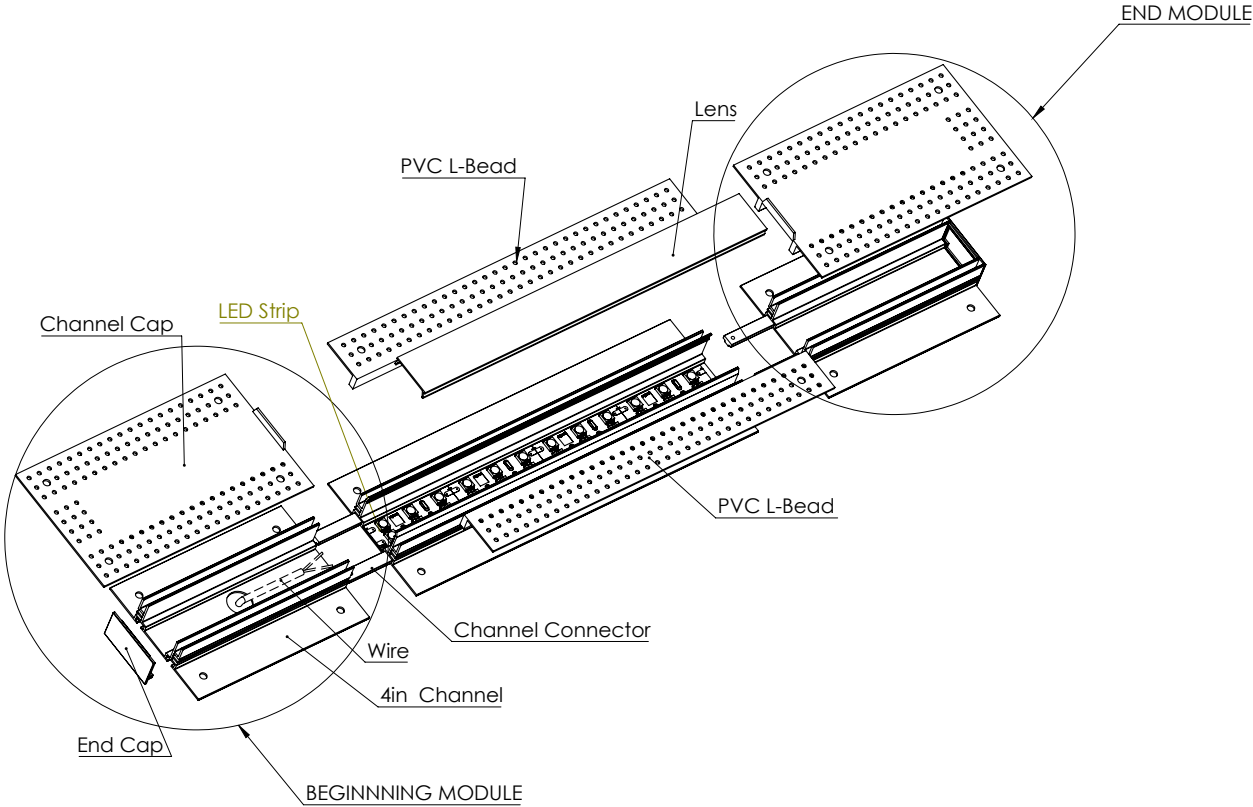
CONSTRUCTION

• DIMENSIONS: 3.70"W x .87" 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.
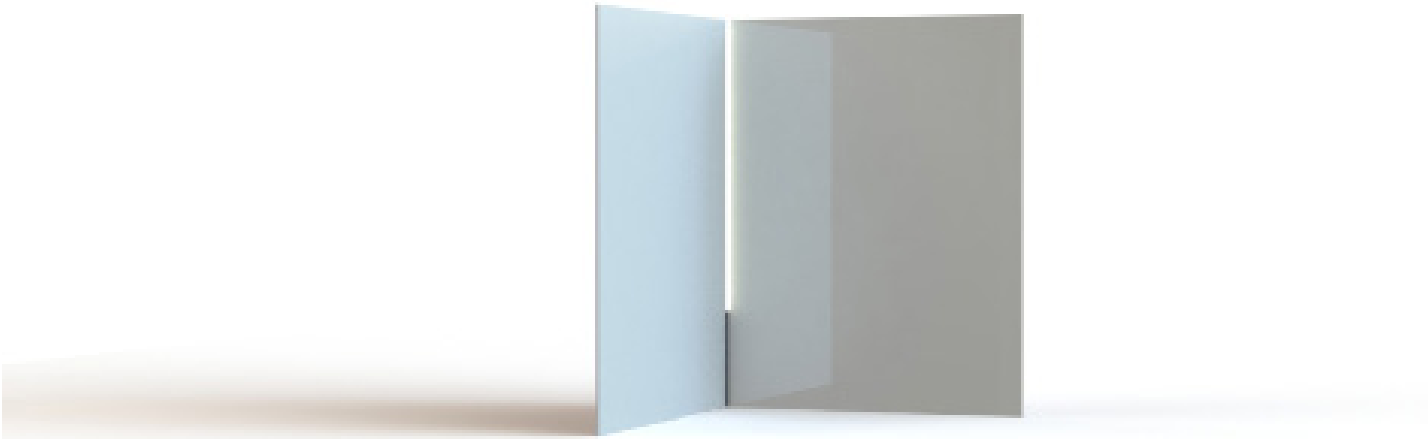
LISTING/WARRANTY

• APPROVALS: UL/C-UL listed for dry and damp locations. 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 Patents

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◼ FIXTURE COMPONENTS

END MODULE

Lens

PVC L-Bead

Channel Cap

LED Strip

PVC L-Bead

Channel Connector

Wire

4in Channel

End Cap

BEGINNNING MODULE

◼ ASSEMBLED VIEW

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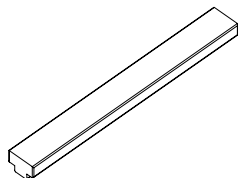
■ADDITIONAL COMPONENTS

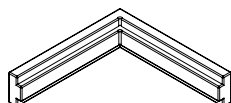These are the standard components that come with the ZENLITE® Lighting System for 5/8" Drywall.

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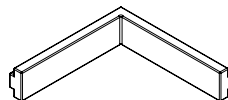Purpose: To connect to straight ZENLITE® Channels
Part #: ZNLT-CNCT-STRT

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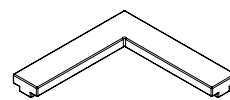Part #: ZNLT-CNCT-OS90

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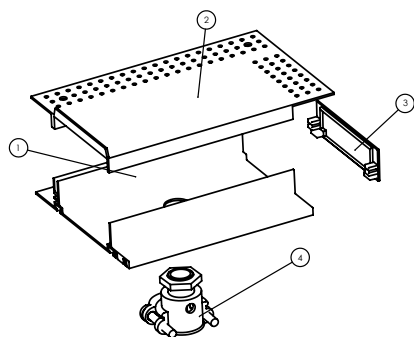Part #: ZNLT-CNCT-IN90

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
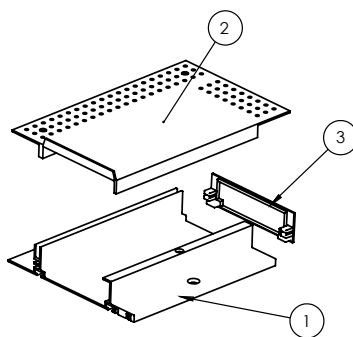Part #: ZNLT-CNCT-ZG90

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

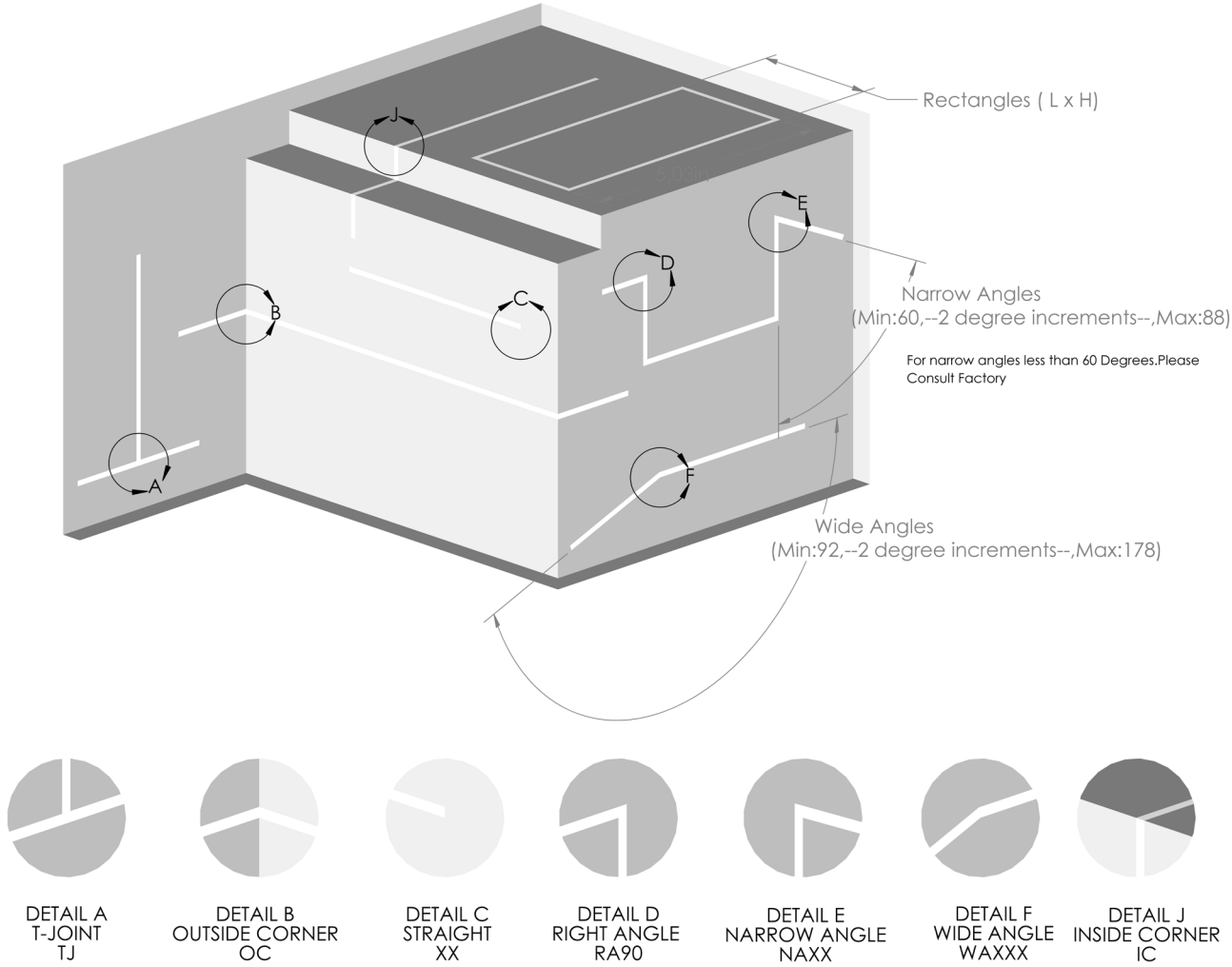**End Module**
Length: 5 inches
Purpose: To be attached at the end of ZENLITE® channel by means of two T-shape connectors
Sub-Components:
    1. 4 in Channel without hole
    2. Channel Cover
    3. End Cap
Part #: ZNLT-NC2-PMTR-ENDM

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CUSTOM CUT ORDERS

Rectangles (L x H)

Narrow Angles
(Min:60,--2 degree increments--,Max:88)

For narrow angles less than 60 Degrees.Please Consult Factory

Wide Angles
(Min:92,--2 degree increments--,Max:178)

| DETAIL A T-JOINT TJ | DETAIL B OUTSIDE CORNER OC | DETAIL C STRAIGHT XX | DETAIL D RIGHT ANGLE RA90 | DETAIL E NARROW ANGLE NAXX | DETAIL F WIDE ANGLE WAXXX | DETAIL J INSIDE CORNER IC |

TYPE	DIMENSIONS		QTY
	OR	x	
	OR	x	
	OR	x	
	OR	x	
	OR	x	

Note: List the cuts/features in the order of occurrence from left to right. Mulitple spec-sheets can be used for multiple custom lengths/shapes. Please consult factory for complex projects

EXAMPLES

TJ-20-RL-30-NL45-15-WL135-20

0-15 X 30 FT

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