

ZENLITE® NC2-2G

2" Recessed LED Lighting System for New Construction

Project Name:

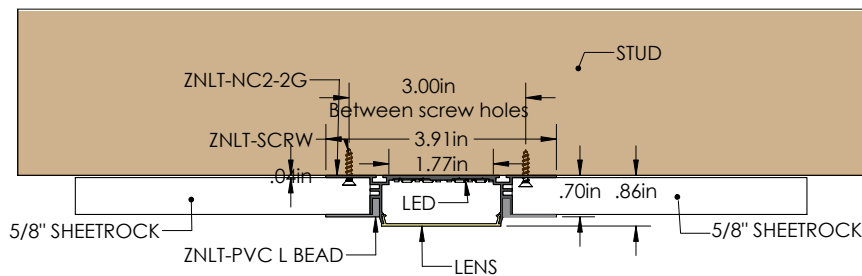
Fixture Type:

DESCRIPTION

ZENLITE® NC2-2G 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. The channel is installed directly to studs with 16-inch spacing screw holes, allowing for the electrician to complete their work before the installation of sheetrock! After the sheetrock is installed, the drywall contractor inserts the provided PVC flanges so that they are flush against the sheetrock. Finishing plaster can then be placed on top for the final touch. The channel has the ability to connect seamlessly with our ZENLITE® Pendant Mount and Surface Mounted fixtures; allowing for a variety of configurations. 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® NC2-2G is a recessed lighting fixture that can create a seamless line of light and has the ability to achieve various patterns/shapes.



DIMENSIONS



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

LUMEN OUTPUT PERFORMANCE

Light Module	Lumens/ft
2ZGBL	270
2ZGBM	372

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

Lens	CLNS	DLNS	OLNS
Multiplier	1.13	1	0.74

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

ORDERING CODE

Example: **ZNLT-NC2-2G-PRA-17-2ZGBM-24V-95C-35K-OLNS-MG-ST-RRBX-ENCP**

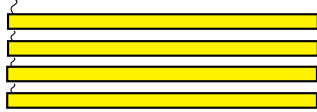
Assembly	Product	Length	Light Module Cutable Length Watts Per Feet	Volt	CRI	Color Temperature	Lens
ZNLT-NC2-2G				24V	95C		
ZNLT-NC2-2G	PRL Preloaded PRA Preassembled UNA Unassembled	XX Length in inches only. Can only be specified to cuttable length of respective light module.	2ZGBM ZIGBEAM 1.2 inch 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	BGNM 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

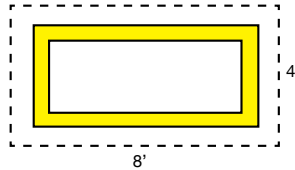
☐ PRELOADED

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.



Note: Fixtures longer than 8 ft are available only in Preloaded or Unassembled configurations.

SPECIFICATIONS

LED SYSTEM

The LED system consists of four different light modules to choose from; ZGBL and ZGBM are the world's first miter-able tape light and dimmable using a dimmable driver. They display a clean line of light at the surface of the 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

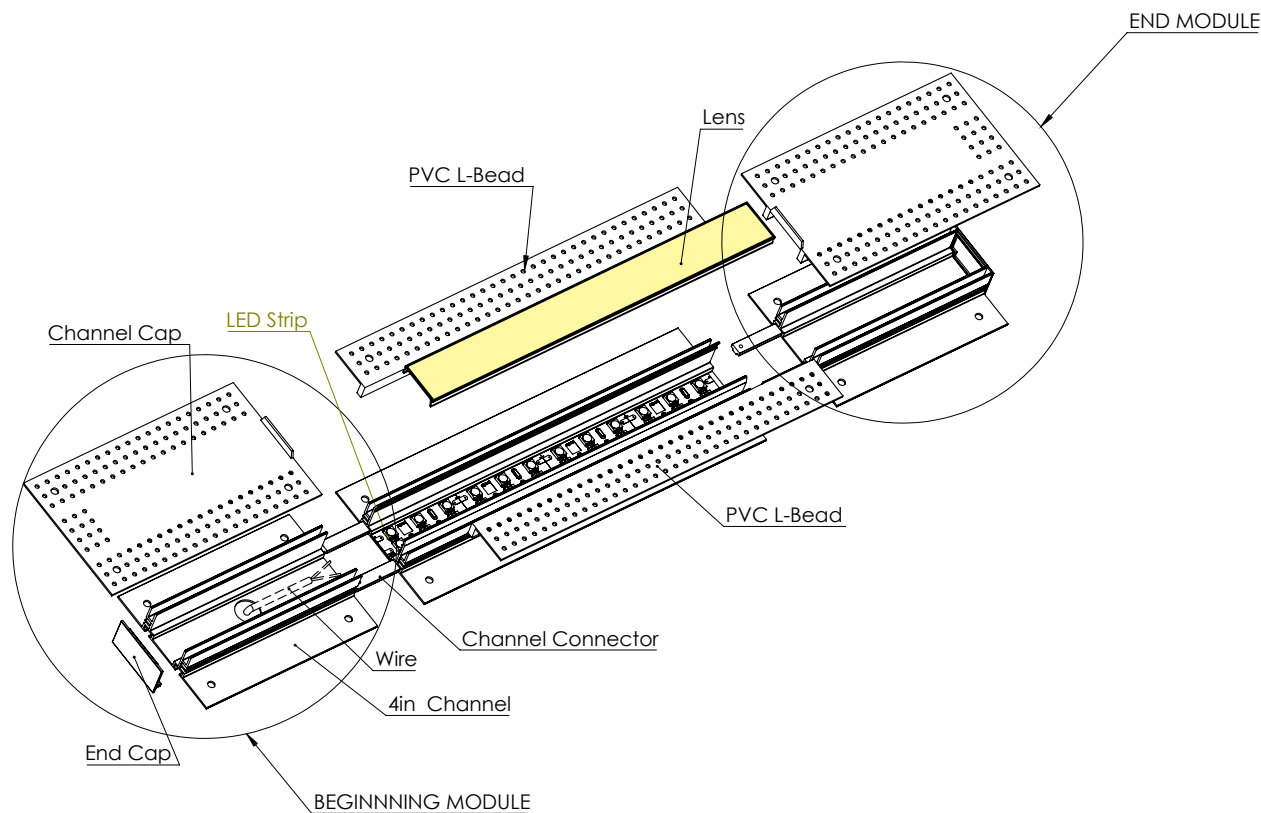
- **DIMENSIONS:** 3.91"W x .87" H
- **HOUSING:** Anodized aluminum extrusion cut with high precision equipment with up to 98% reflectivity on the inside. PVC flange with low thermal conductivity to prevent heat from spreading to the surface of the paint/spackle.

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



■ **FIXTURE COMPONENTS**

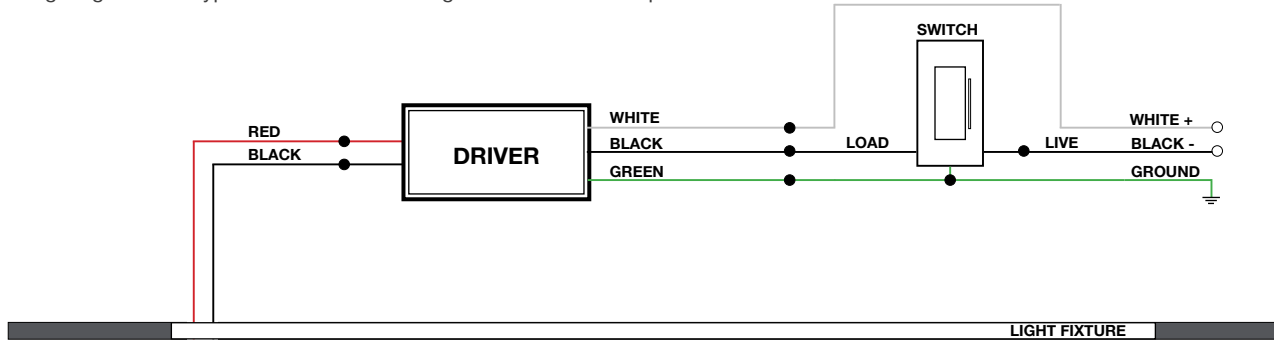


■ **FIXTURE ASSEMBLY**



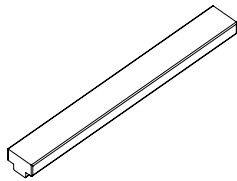
■ WIRING DIAGRAM

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

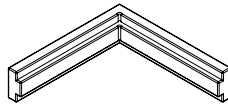


■ ADDITIONAL COMPONENTS

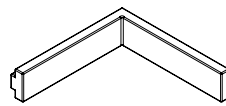
These are the standard components that come with the ZENLITE® Lighting System for 5/8" Drywall.



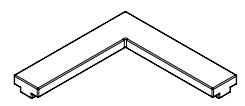
T-shape Connector
Length: 2 inches
Purpose: To connect to straight ZENLITE® Channels
Part #: **ZNLT-CNCT-STRT**



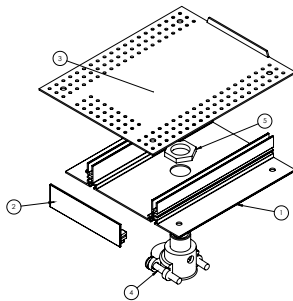
Outside T-shape Connector
Length: 1 x 1 inches
Purpose: To connect to straight ZENLITE® Channels at outside wall corners at 90 deg
Part #: **ZNLT-CNCT-OS90**



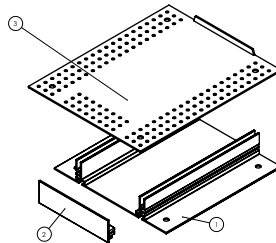
Inside T-shape Connector
Length: 1 x 1 inches
Purpose: To connect to straight ZENLITE® Channels at inside wall corners at 90 deg
Part #: **ZNLT-CNCT-IN90**



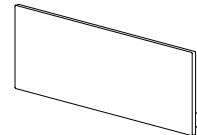
ZIGZAG T-Shape Connector
Length: 1 x 1 inches
Purpose: To connect to straight ZENLITE® Channels trimmed at 45 Degrees to form a 90 Degree bend
Part #: **ZNLT-CNCT-ZG90**



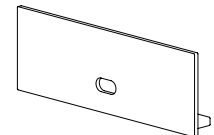
Beginning Module
Length: 5 inches
Purpose: To be attached at the beginning of ZENLITE® channel by means of two T-shape connectors
Sub-Components:
1. 4 in Channel
2. End Cap
3. Channel Cover
4. BX Cable Connector
5. BX Connector Nut
Part #: **ZNLT-BGNM-NC2**



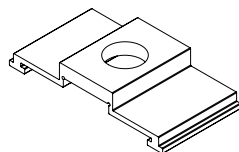
End Module
Length: 5 inches
Purpose: To be attached at the beginning of ZENLITE® channel by means of two T-shape connectors
Sub-Components:
1. 4 in Channel
2. End Cap
3. Channel Cover
Part #: **ZNLT-ENDM-NC2**



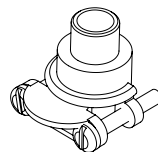
End Cap
Length: 2 inches
Purpose: To be attached at the either end of ZENLITE® channel
Part #: **ZNLT-EDCP**



End Cap with Hole
Length: 2 inches
Purpose: To be attached at either end of ZENLITE® channel with a hole for lead wire.
Part #: **ZNLT-EDCP**

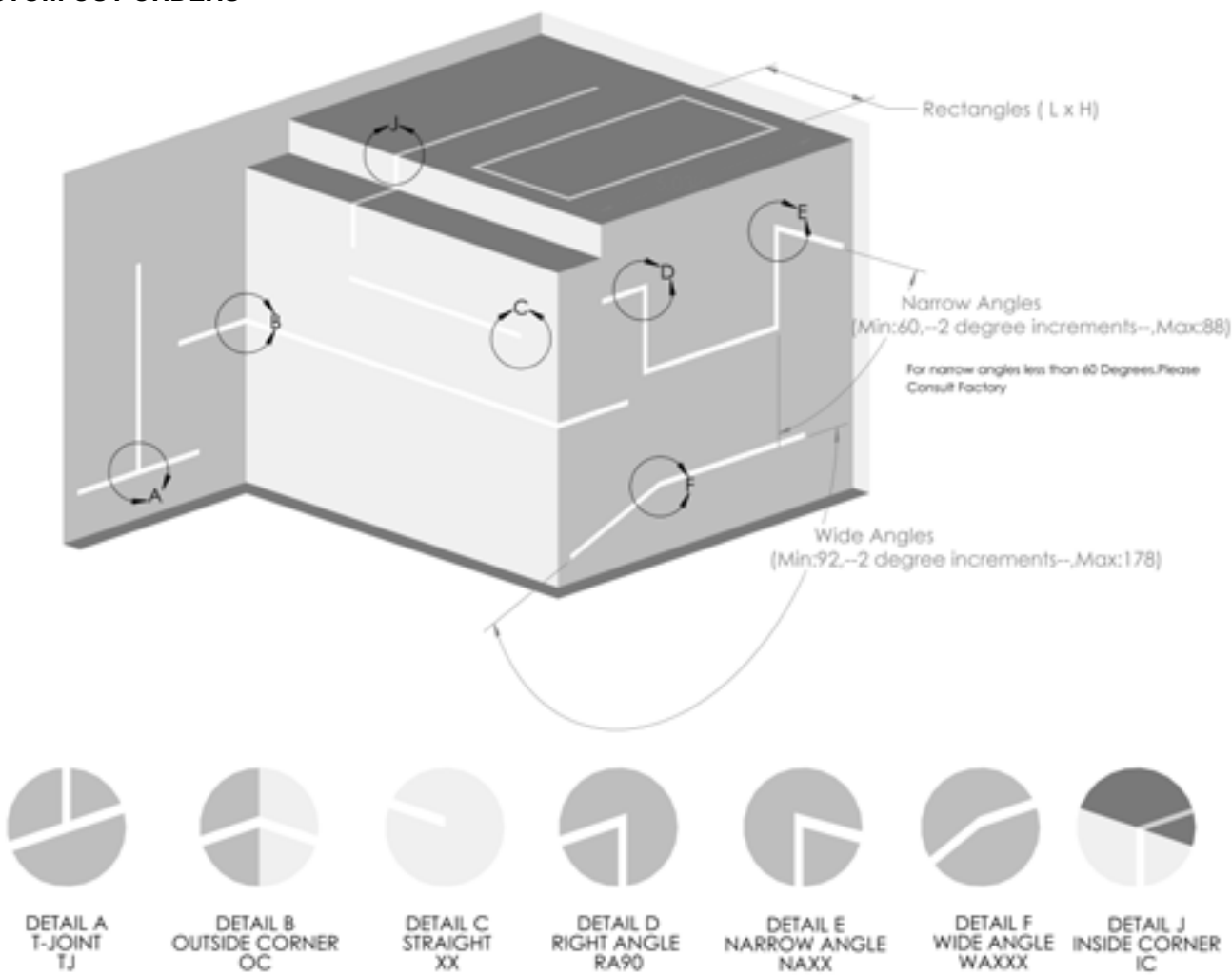


BX Module
Length: 2 inches
Purpose: To be attached at any location of the ZENLITE® channel where BX connector is needed
Part #: **ZNLT-NC2-BXM**



BX Connector
Length: 2 inches
Purpose: To be attached at any location of the ZENLITE® channel for lead wire.
Part #: **ZNLT-BX**

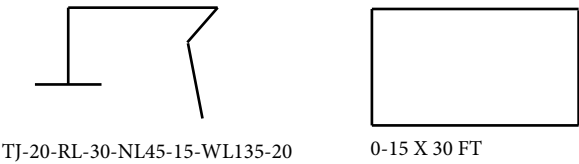
CUSTOM CUT ORDERS



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

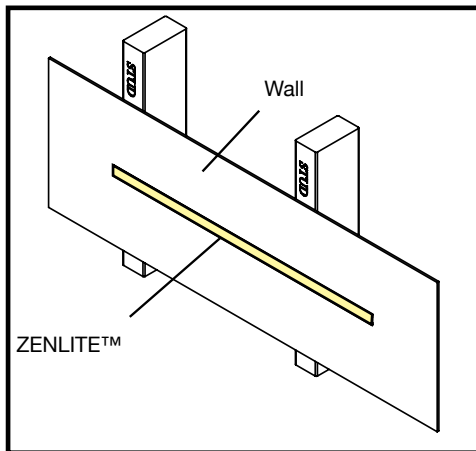
Note: List the cuts/features in the order of occurrence from left to right. Multiple spec-sheets can be used for multiple custom lengths/shapes. Please consult factory for complex projects

EXAMPLES

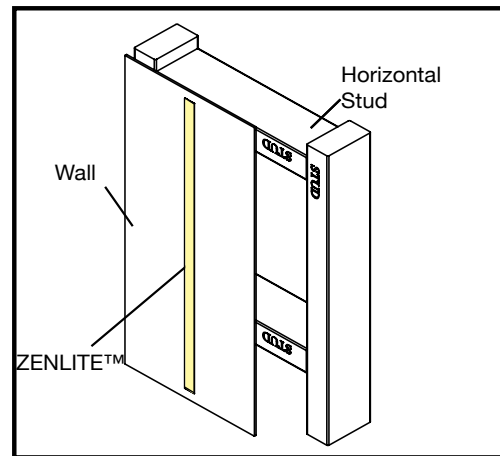


■ INSTALLATION SCENARIOS

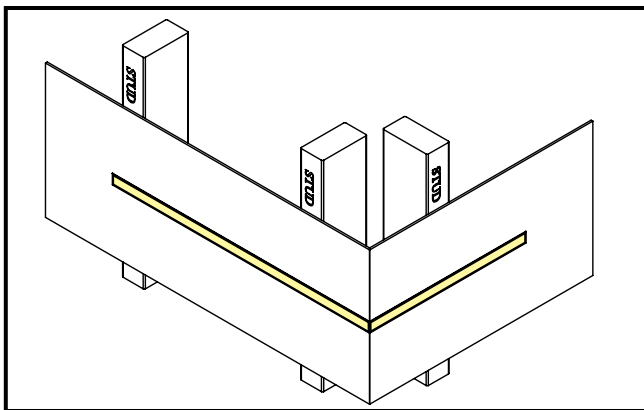
Scenario 1: Horizontal Installation



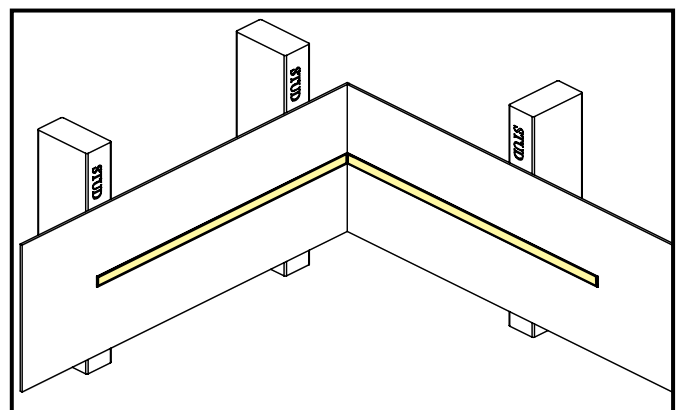
Scenario 2: Vertical Installation



Scenario 3: Outside Corner (OC) Installation



Scenario 4: Inside Corner (IC) Installation



Scenario 2: Zig-Zag Installation

