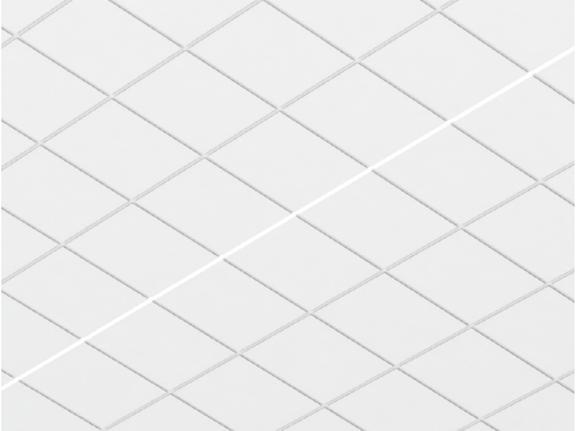


ZENLITE® GRID

LED Lighting System for Drop Ceiling

Project Name: _____

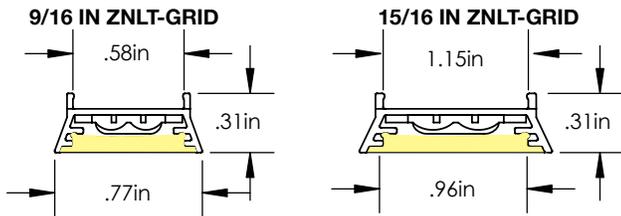
Fixture Type: _____



DESCRIPTION

ZENLITE® GRID is an LED Lighting System for drop ceilings. The design allows for a projection of clean horizontal lines of light. The fixture is mounted directly onto T-bars and accommodates 9/16" drop ceilings as well as 15/16" drop ceilings. The channel has the ability to connect seamlessly along the T-bar and across the whole ceiling, 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® GRID is a lighting fixture that can create a seamless line of light and has the ability to achieve various patterns/shapes. It requires no additional construction for current drop ceilings and is easily integrated into any room.

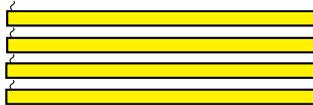
DIMENSIONS



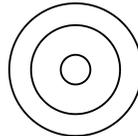
PRODUCTION EXPECTATION

What will the channels look like when they arrive?

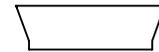
Channel will arrive to you preloaded with the light module and cut to the specific lengths given. You will also receive channel lens as well as any accessories needed separately. Exact field measurements must be provided, factory does not take responsibility for field measurement errors.



Preloaded Channels



Roll of Channel Lens



Endcap/Accessories

LUMEN OUTPUT PERFORMANCE TABLE

Light Module	Lumens/ft*	Watts/ft
9/16 GDBM	248	5
15/16 GDBM	280	7
15/16 GDBH	553.6	10

Color Temp	27L	30L	35L	40L
Multiplier	0.83	1	1.14	1.23

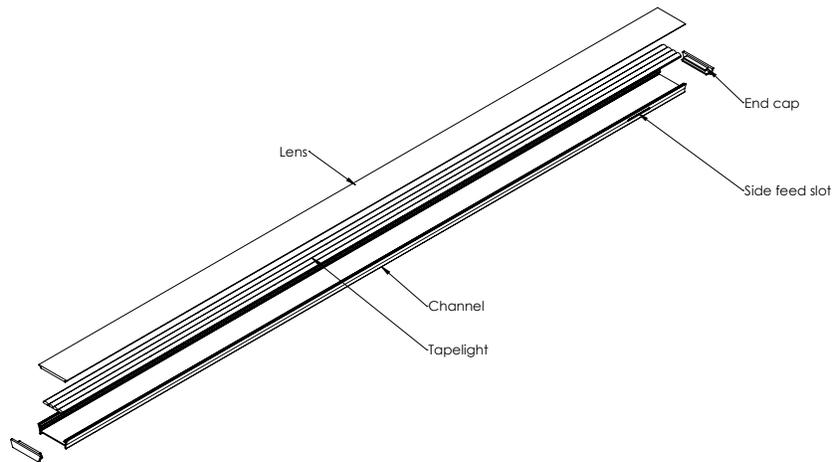
* The Lumens/ft values are estimated based on a color temperature of 30K

ORDERING CODE

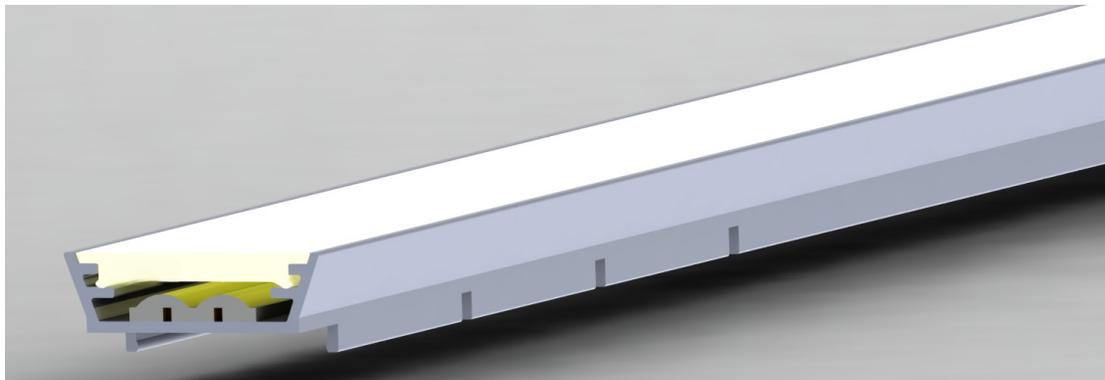
Example: **ZNLT-GRID-9/16-23-GDBM-24V-90C-27L-DLNS-MG**

Product	Channel Size	Channel Length	Light Module	Volt	CRI	Color Temperature	Lens	Driver
ZNLT-GRID				24V	90C		DLNS	
ZNLT-GRID	9/16 in channel 15/16 in channel	23 23 inches 24 24 inches 48 48 inches	GDBM Grid Beam GDBH Grid Beam Hi	24V- 24V	90C ≥ 90 CRI	27L 2700L 30L 3000L 35L 3500L 40L 4000L	DLNS Diffused	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% FadeTo Black EcoSystem/3-wire

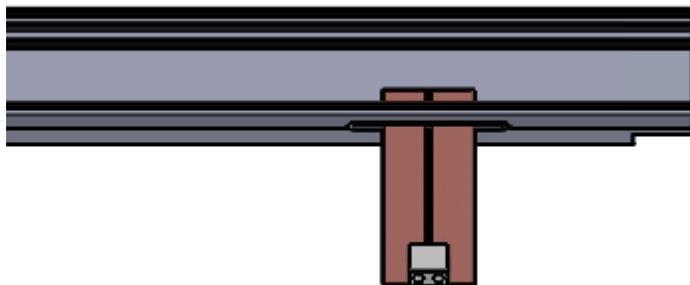
■ FIXTURE COMPONENTS



■ FIXTURE ASSEMBLY



ZENLITE GRID 9-16 WITH DIFFUSED LENS



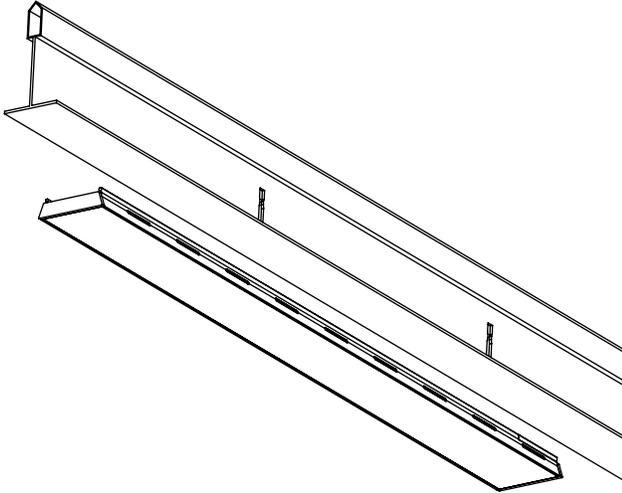
Note: ZNLT-GRID terminal comes out on the side of the side feed slot

■ T-BAR MOUNTING

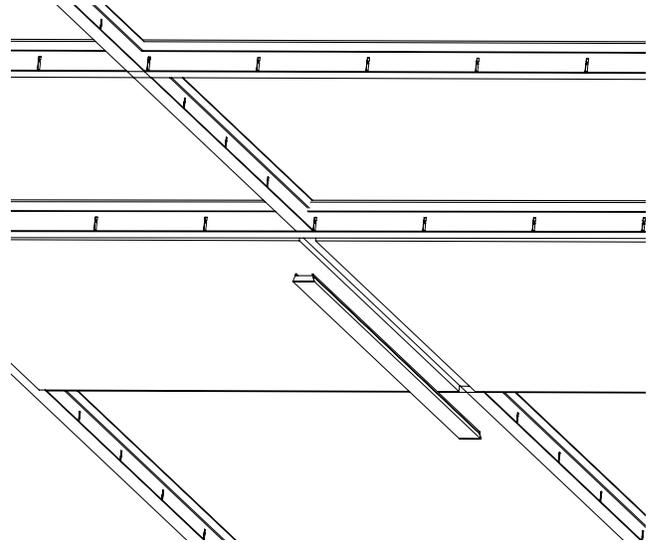


Warning: Electricians please read the instructions below

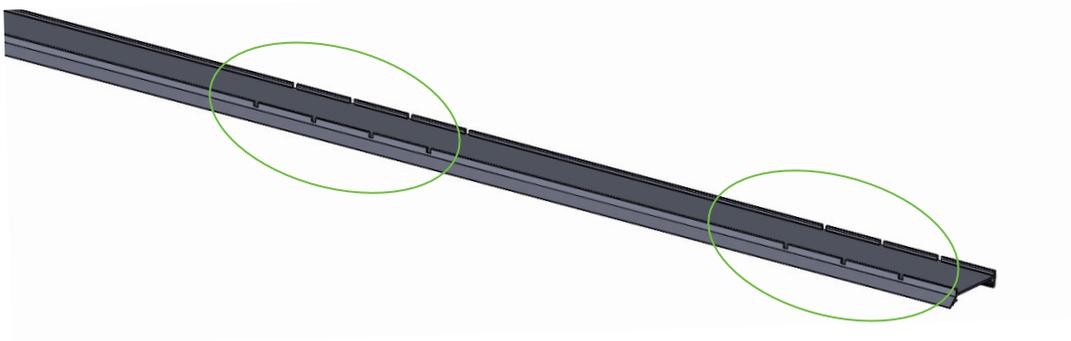
1. Attach Gridline to T-Bar mount as shown in Step 1 and Step 2
2. Using needle nose pliers press channel ends as shown in Step 4



Step 1: Line up grid channel with the T-Bar at the desired location.

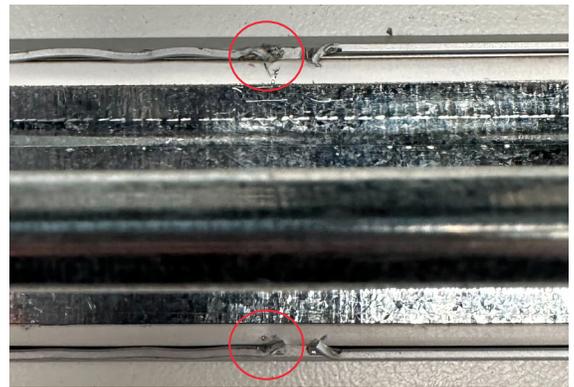
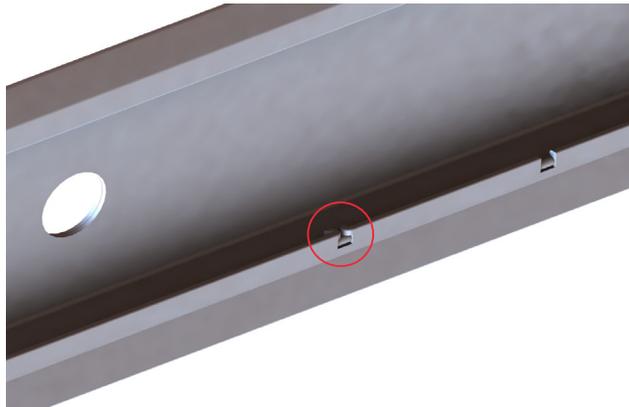
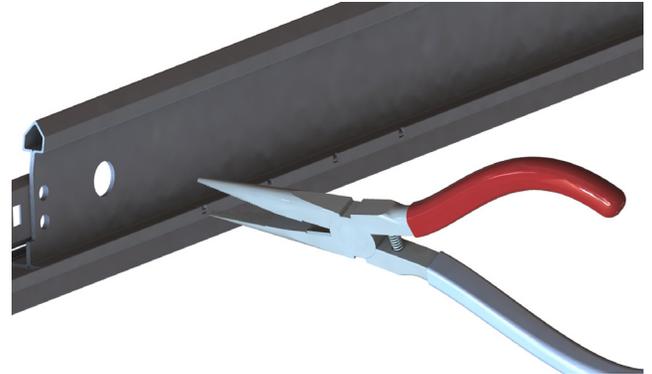
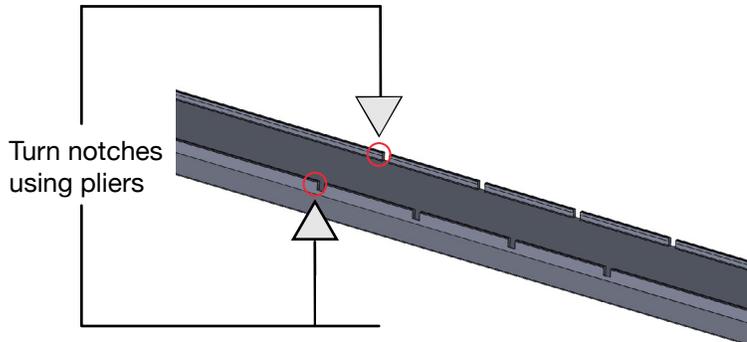


Step 2: Press grid channel into T-Bar to mount it.



Step 3: Each circle represents 1 cluster of notches. The number of clusters per channel will depend on channel length. These notches will be used to secure the channel on the T-Bar.

■ T-BAR MOUNTING (Continued)



Step 4: Use pliers to turn 2 of the notches **per cluster** inwards onto the T-Bar. The images on the bottom row show how the notches should look after they have been turned inwards.

Note: The image on the bottom right shows that 4 notches are turned but please note that only 2 are required per cluster.

■ SPECIFICATIONS

LED SYSTEM

The LED system comes with two light module, the Grid Beam (GDBM) and the Grid Beam Hi (GDBH). The Grid Beam is the standard light module, while the Grid Beam Hi is a higher lumen output option. Both tape lights come with tightly spaced LEDs for a seamless appearance. The light modules are available in four different color temperatures of 2700L, 3000L, 3500L, and 4000L. They have a minimum 90CRI (color rendering index) and have gone through a 3-step binning process.

OPTICS

For this fixture, polycarbonate lenses with a diffused finish are available. The lenses are field changeable and are able to run continuously up to 40ft.

MOUNTING

The channel is mounted directly onto T-Bars.

CONSTRUCTION

- 15/16 IN DIMENSIONS: 1.15" W x 0.31" H
- 9/16 IN DIMENSIONS: 0.77" W x 0.31" 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.

ELECTRICAL

- There are six available drivers to choose from. All the LED drivers are mounted remotely and have 120-277VAC input.

MG driver: forward phase 1% magnetic low voltage dimming (dims down to 1%) and flicker free

ZO driver: 1% 0-10V dimming, flicker free, and IP65 rated for both indoor and outdoor use

NN driver: 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.

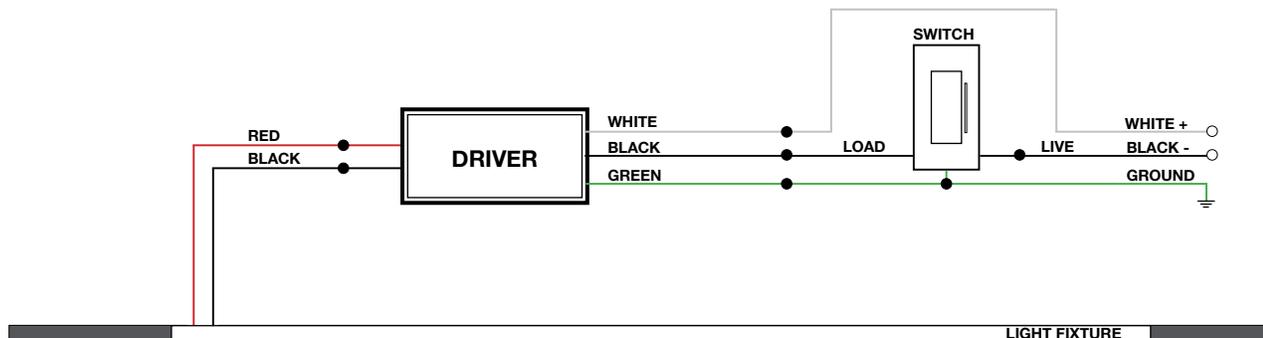
- **FEED:** 18" of wire provided with connection to a longer wire inside the beginning module.

LISTING/WARRANTY

- **WARRANTY:** 5 year limited warranty, ambient temperatures at fixture location should not exceed 104°F during normal operation.
- IP Protection: IP20
- CRI ≥ 95
- 50,000 hours lamp life
- US & International Patents Pending

■ WIRING DIAGRAM

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



CONFIGURATIONS

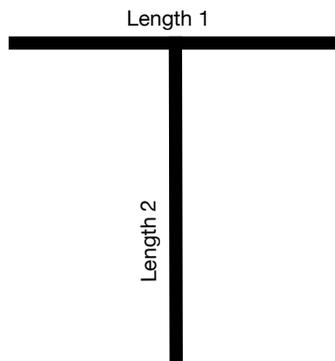
Type	Length 1		Length 2		Length 3	
L-Turn						
L	XX 'ft.	XX "in.	XX 'ft	XX "in.		
T-Connector						
T	XX 'ft	XX "in.	XX 'ft	XX "in.		
Plus Intersection						
P	XX 'ft	XX "in.	XX 'ft	XX "in.	XX 'ft	XX "in.
Square						
S	XX 'ft	XX "in.				
Rectangle						
R	XX 'ft	XX "in.	XX 'ft	XX "in.		

Example Product #: ZNLT-GRID-L-16'-14'



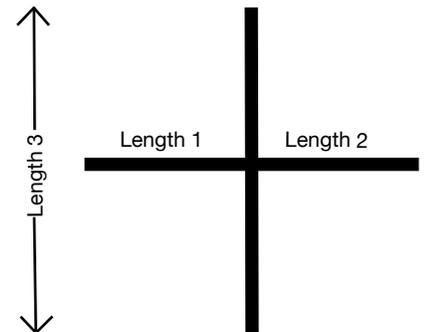
L-Turn

Purpose: To make a corner turn.



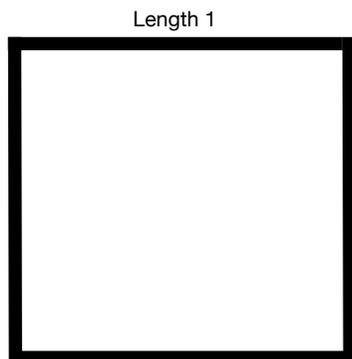
T-Connector

Purpose: For 90 degree turns, 3 way connections.



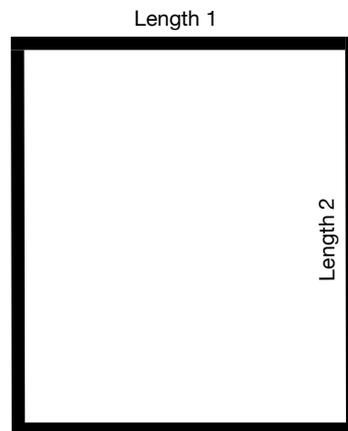
Plus Intersection

Purpose: For 90 degree turns, 4 way connections.



Square

Purpose: For square connections.



Rectangle

Purpose: For rectangle connections.