

LED Lighting System for New Construction

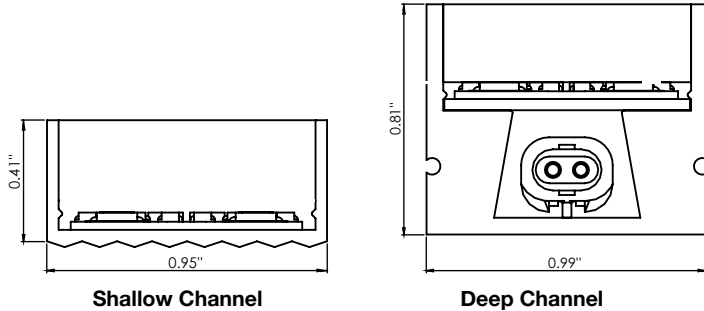
Project Name: _____

Fixture Type: _____

DESCRIPTION

ZENLITE® Tile is an LED Lighting System for 3/8" tile floors/walls/ceilings. This system is floor rated and waterproof, utilizing resin technology. It can be integrated with other ZENLITE products to achieve a seamless line of light across floors, walls and ceilings. The channel is installed between tiles and held down by thinset and uses a remote driver. The fixture has been tested using standard cleaning solvents and comes in two versions, shallow/deep. The shallow version has the thickness of standard 3/8" tile plus thinset; the deep version comes with a quick wire connector, allowing for running wiring inside the fixture that are longer than 8 feet.

DIMENSIONS



- Indoor
Outdoor
- Walk
/Drive
Over
- IK10**
Rated
- IP68**
Rated

ORDERING CODE

Example: ZNLT-TL-SH-XX14-ZGBL-24V-95C-34K-MG

Product	Type	Length	Light Module Cuttable Length Watts Per Feet	Volt	CRI	Color Temperature	Driver
ZNLT-TL			ZGBL	24V	95C		
ZNLT-TL	SH Shallow* DP Deep	XX Length in inches only. Lengths can be specified down to 1.2 inch. Minimum channel length is 6 inches.	ZGBL ZIG Beam Low 1.2 in 2 W/ft	24V- 24V	95C ≥ 95 CRI	27T 2600K ** 30T 2800K ** 35T 3400K ** 40T 3900K ** **Due to the nature of the product, there is a color shift. A different color temperature LED module will appear on the fixture's BOM	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% FadeTo Black EcoSystem/3-wire

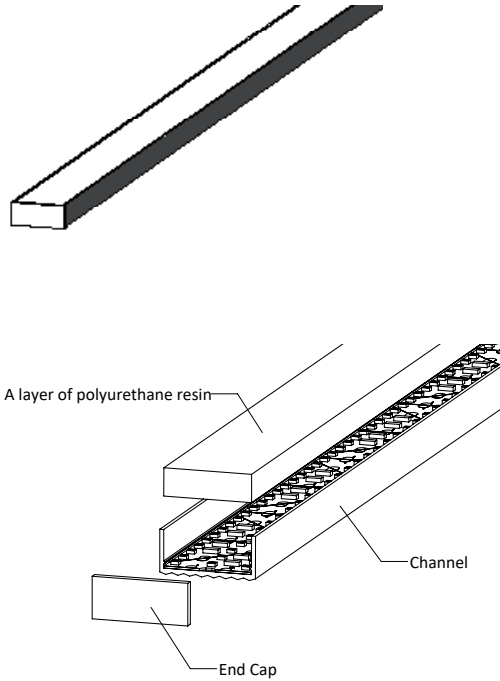
WIRING OPTIONS

First Run	Wire Length	BGFD Beginning Feed 	BGSF Beginning Side Feed 	BGBF Beginning Bottom Feed
Connection (within max run of tape light) (Only for ZNLT-TL-DP)	Wire Length (Only for Jumper cable)	JPFD Jumper Feed (This will be hidden in the race track) 	JPSF Jumper Side Feed 	JPBF Jumper Bottom Feed

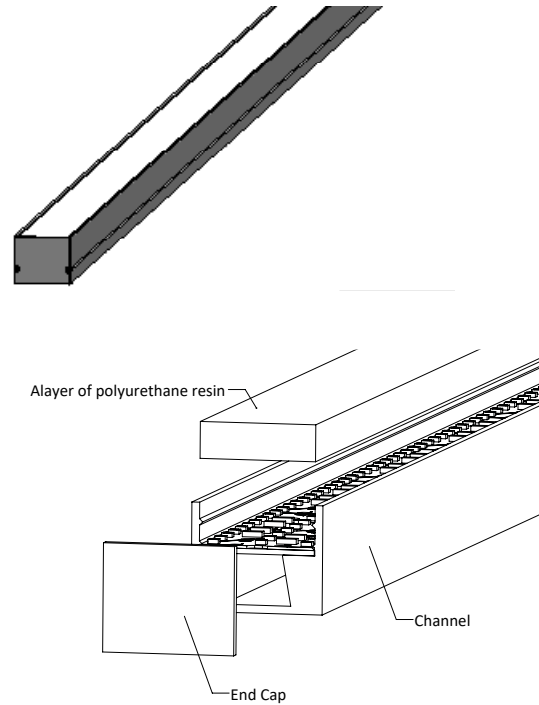
Note: Approved shop drawings needed for production. Exact field measurements must be provided, factory does not take responsibility for field measurement errors. Aluminum Channels come in a maximum available length of 8 feet. For fixture longer than 8ft, multiple 8ft channels need to be joined together.

■ FINAL ASSEMBLY

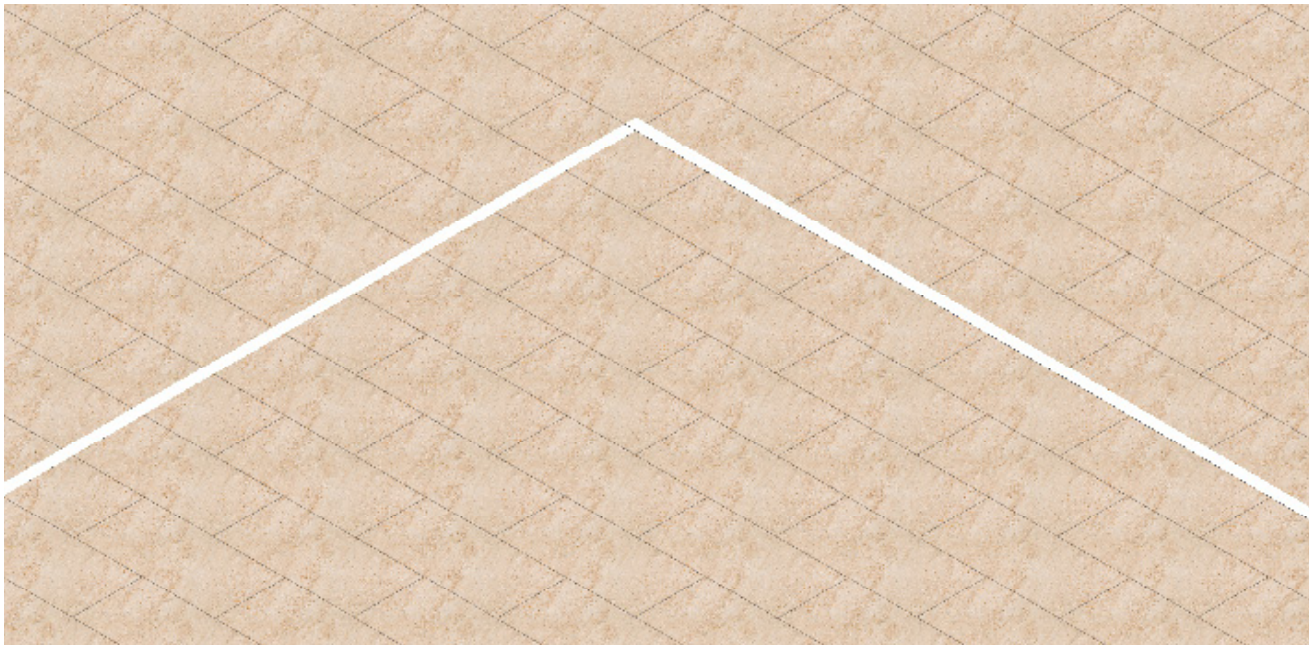
Shallow Channel



Deep Channel



■ ASSEMBLED VIEW (with 90 degree turn)



SPECIFICATIONS

LED SYSTEM

The LED system consists of the world's first miter-able tapelight, ZIG-BEAM. This can be dimmed using a dimmable driver and displays 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. They have a minimum 95CRI (color rendering index) and have gone through a 3-step binning process.

OPTICS

Specially formulated Resin that is resistant to harsh environments and provides impact resistance. Resin-encased channel for waterproof and floor applications.

ELECTRICAL

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

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

ZO driver consists of 1% 0-10V dimming, flicker free, 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.

L2 driver is a 2-Wire driver from Lutron that has Hi-lume 1% and provides continuous and flicker free dimming from 100%-1%.

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 certain 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

- To be mounted directly into the floor/wall/ceiling. Channel can be installed between tiles and held down by thinset.
- Unsuitable for permanent underwater installation.

CONSTRUCTION

- DIMENSIONS: For Shallow channels: 0.95"W X 0.41"H
For Deep channel: 0.99"W X 0.81"H
- HOUSING: Anodized aluminum extrusion cut with high precision equipment

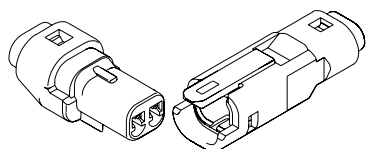


LISTING/WARRANTY

- 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: IP68
- IK Protection: IK10
- CRI ≥ 95
- 50,000 hours lamp life
- Application: Indoor/Outdoor, wet, and recessed locations in the ground

ADDITIONAL COMPONENTS

These are the certain standard components that comes along with the ZENLITE® Tile Lighting system



Waterproof Quick Connector
Purpose: For fast and easy connection between ZENLITE® Tile Deep Channels
Part #: **ZNLT-TILE-WPQC**



Concrete Template
Dimensions: 1.1" W x 0.85" H
Purpose: Used to substituted for channel when concrete is poured and cured.
Part #: **ZNLT-TILE-CCTP**