

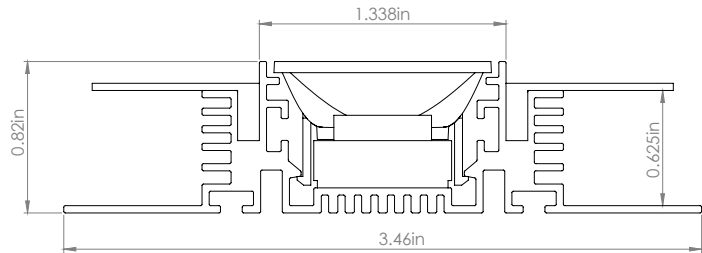
ZENLITE® LOUVRE

Recessed LED Lighting System for New Construction

DESCRIPTION

ZENLITE® LOUVRE is an LED Microlouvre Lighting System for 5/8" Drywall Walls/Ceilings. Our patent-pending design allows for easy installation of this versatile fixture in dry or damp locations. The channel has the ability to connect seamlessly with our ZENLITE® LOUVRE Pendant Mount and Surface Mounted fixtures; as well as switching from trim to smooth lens. 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. Channel is installed directly to studs with 16-inch spacing screw holes. ZENLITE® LOUVRE is a recessed lighting fixture that can create a unique line of light.

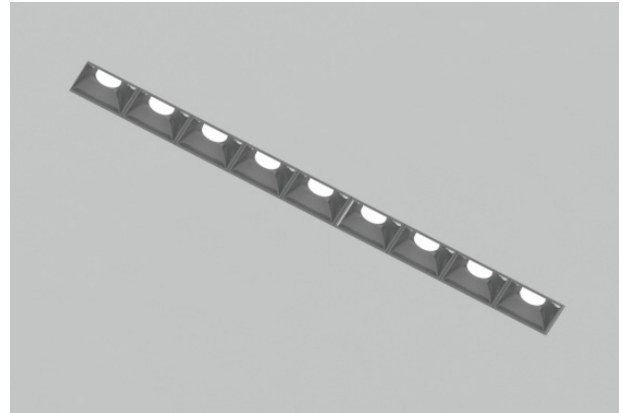
DIMENSIONS



Project Name:

preciseLED
Precision Through Innovation

Fixture Type:



LUMEN OUTPUT PERFORMANCE

Light Module	Lumens/ft
LVCB	270
LRGW	150
ZGBM	162

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

ORDERING CODE

Example: ZNLT-LOUV-14-LVCB-24V-95C-27K-90B-T-BK-MG

Product	Length	Light Module Cuttable Length Watts Per Foot	Volt	CRI	Color Temp	Beam Spread*
ZNLT-LOUV			24V	95C		
ZNLT-LOUV	XX Length in inches Lengths can be specified down to 1.18 inch (30mm). Minimum channel length is 6 inches.	LVCB Louvre Cool Beam 1.18 in 5.8 W/ft LRGW Louvre Beam RGBW 1.18 in 3.6 W/ft * ZGBM Zigbeam 1.2 inch 4.4 W/ft *95CRI does not apply	24V- 24V	95C ≥ 95 CRI	27K 2700K 30K 3000K 35K 3500K 40K 4000K	10X45B degrees 30B degrees 60B degrees 90B degrees *Beam spread options are not compatible with ZGBM

Trim/Lens	Driver	Housing	Feed Options (Beginning)	Feed Options (End)
BK Black Trim AZ Clear Alzac Trim DLNS Diffused Lens ALP Aluminum Plate Note: Consult factory for more details on multiple trim colors	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 (Optional for Lighting designers)

OPTION A

Ship channels and flanges 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 and flanges 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. Prepunched holes (every 16") in rear of fixture may not match stud location, additional drilling may be required.

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. Prepunched holes (every 16") in rear of fixture may not match stud location, additional drilling may be required.

Note: **Approved shop drawings needed for custom configurations.**

Aluminum Channels and PVC L-Beads come in a maximum available length of 8 feet. Seamless Lens can be shipped in roll lengths up to 40 feet. For fixture longer than 8ft, multiple 8ft channels need to be joined together by means of straight channel connectors

■ SPECIFICATIONS

LED SYSTEM

The LED system consists of two different light modules to choose from, LVCB and LRGW which are dimmable using a dimmable driver. They consist of lens covered diodes to achieve certain beam spreads. LRGW has the ability to output any color on the color wheel and white light. The light modules are available in four different color temperatures of 2700K, 3000K, 3500K, and 4000K. LVCB has a minimum 95CRI (color rendering index).

OPTICS / TRIMS

For this fixture, multiple beam spread options are available. The individual precision formed snap-in polycarbonate louvers trims are available in black or clear alzac finish and are field changeable.

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.

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: 3.46"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.

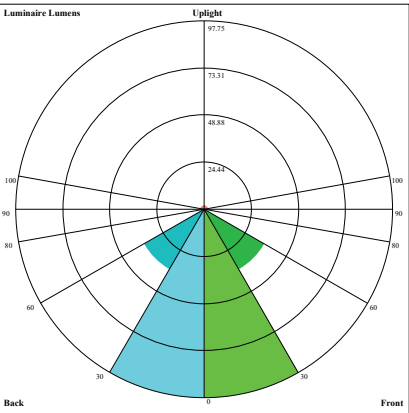
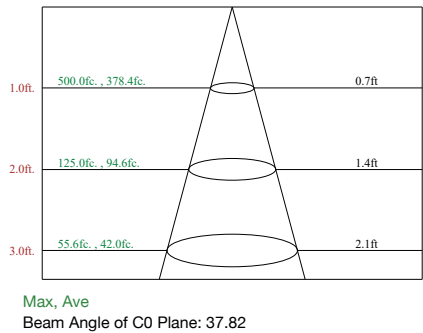
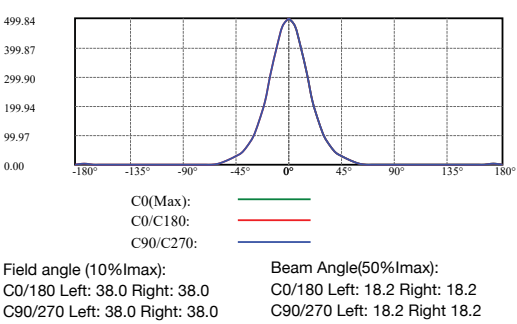
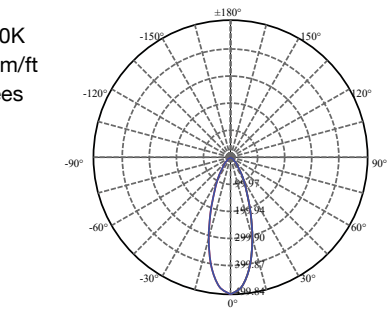
LISTING/WARRANTY

- APPROVALS: UL/C-UL listed for dry and damp locations. Suitable for outdoor installations under a canopy or soffit.
- 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

PHOTOMETRICS

Photometrics for certain fixture options. Results vary with different combination of lens, light module, etc.

Light Module: LVCB
Color Temperature: 3000K
Lumen Output: 270.59 lm/ft
Beam Spread: 30 degrees
Trim: Black

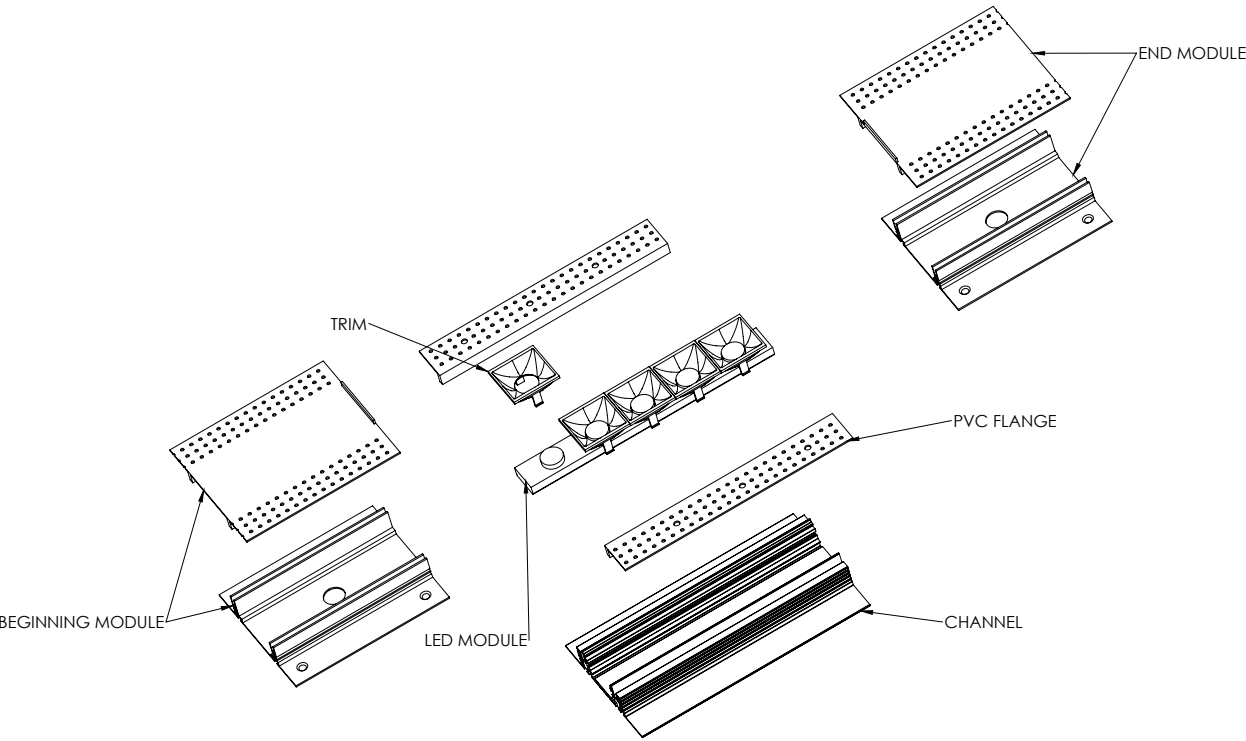


Luminaire Lumens:
FL=97.75, FM=36.06, FH=0.71,
FVH=0.01, BL=97.75, BM=36.06,
BH=0.71, BVH=0.01, UL=0.03,
UH=2.17
BUG Rating: B0-U1-G0

Contact PreciseLED for additional Photometrics or visit our website.

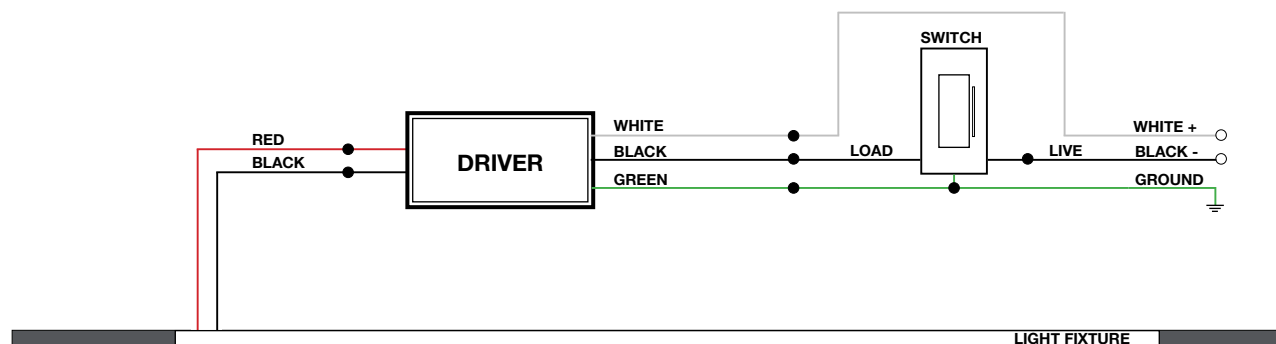
FIXTURE COMPONENTS

See installation instruction sheet for further details on how to install the Louvre product.



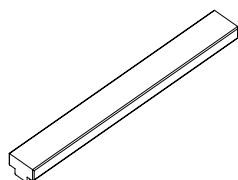
■ WIRING DIAGRAM

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



■ ADDITIONAL COMPONENTS

These are the certain standard components that comes along with the ZENLITE® Lighting system for 5/8" drywall lighting system.

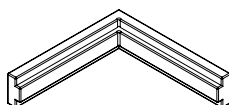


T-shape Connector

Length: 2 inches

Purpose: To connect to straight ZENLITE® Channels

Part #: **ZNLT-CNCT-STRT**

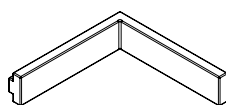


Outside T-shape Connector

Length: 1 x 1 inches

Purpose: To connect to straight ZENLITE® Channels at outside wall corners at 90 deg

Part #: **ZNLT-CNCT-OS90**

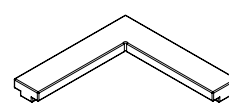


Inside T-shape Connector

Length: 1 x 1 inches

Purpose: To connect to straight ZENLITE® Channels at inside wall corners at 90 deg

Part #: **ZNLT-CNCT-IN90**

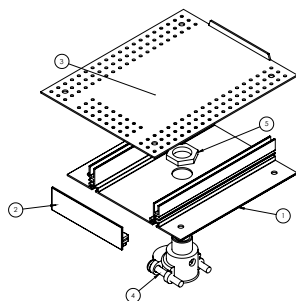


ZIGZAG T-Shape Connector

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

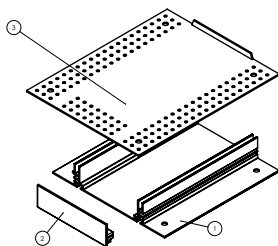
Length: 5 inches

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-LOUV**



End Module

Length: 5 inches

Purpose: To be attached at the beginning of ZENLITE® channel by means of two T-shape connectors

Sub-Components:

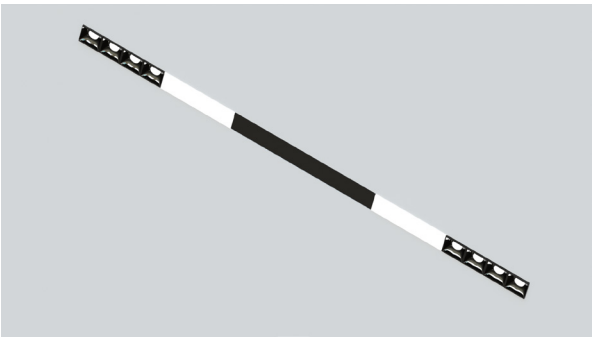
1. 4 in Channel
2. End Cap
3. Channel Cover

Part #: **ZNLT-ENDM-LOUV**

CUSTOM DESIGN

Enter custom design below using the following notation:

- T - Trim
- P - Plate (unlit)
- L - Lens (lit)



Example: P-L-T

CUSTOM (leave blank if unneeded)

Type	Length	Light Module [Watts Per Foot]	Volt	CRI	Color Temp	Beam Spread	Trim/ Lens	Driver
T		LVCB	24V					
Trim	XX Length in inches only. Lengths can be specified down to 1.18 inch (30mm).	LVCB Louvre Cool Beam [6 W/ft] LRGW Louvre Beam RGBW [3.6 W/ft]	24V- 24V	95C ≥ 95 CRI	27K 2700K 30K 3000K 35K 3500K 40K 4000K	10X45B degrees 30B degrees 60B degrees 90B degrees	BK Black Trim AZ Clear Alzac Trim	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/Eco System LP Lutron Hi-lume Premier 0.1% Fade To Black EcoSystem/3-wire
L		ZGBM	24V					
Lens	XX Length in inches only. Lengths can be specified down to 1.18 inch (30mm).	ZGBM Zigbeam [4.4 W/ft]	24V- 24V	95C ≥ 95 CRI	27K 2700K 30K 3000K 35K 3500K 40K 4000K	N/A	DLNS Diffused Lens	
P		N/A	N/A	N/A	N/A	N/A		
Plate	XX Length in inches only. Lengths can be specified down to 1.18 inch (30mm).	N/A	N/A	N/A	N/A	N/A	ALP Aluminum Plate	