



## **12100-14-PR-TL INSTALLATION INSTRUCTIONS FOR: Trimless Linear Perimeter Wall Wash LED Recessed Light**

### **Safety Precautions:**

- **Read All Instructions:** Carefully review all safety precautions and installation instructions before installing or servicing the fixture. Failure to follow these instructions could result in serious electric shock or property damage.
- Before starting the installation, disconnect the power by turning off the circuit breaker or removing the fuse at the fuse box. Turning the power off using the light switch is not sufficient to prevent electrical shock.
- **Professional Wiring:** It is recommended that a qualified electrician handle all wiring. Ensure all work is performed in accordance with national and local electrical codes.
- **Avoid Wet Conditions:** Do not handle an energized fixture or attempt to energize any fixture with wet hands or while standing on a wet or damp surface or in water.
- Do not install in a hazardous atmosphere, except where the ambient temperature does not exceed the rated operating temperature of the fixture.
- **Verify Power Source:** Ensure the power source meets the fixture's requirements.
- Use only UL (or other NRTL) approved wire for input/output connections.
- Keep tightly closed when in operation.

### **Prepare Electrical Wiring :**



#### **Electrical Requirements:**

- Must check if the local voltage range is correspond with the working voltage of the fixture. Use min. 75°C supply.



#### **Grounding Instructions:**

- The grounding and bonding of the overall system shall be done in accordance with NEC Article 600 and local codes.

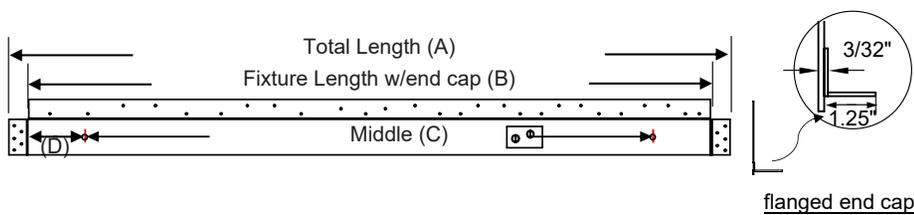


Follow all applicable safety procedures and use Personal Protective Equipment such as hardhats, safety glasses, reflective vest, electrical safety gloves, fall protection equipment and safety toe boots during the installation, operation, and maintenance of the luminaire.

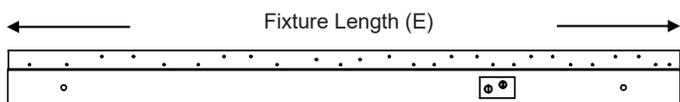
**WARNING:** RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY IN ACCORDANCE WITH NATIONAL, LOCAL BUILDING AND ELECTRICAL CODES. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.



## INDIVIDUAL HOUSING



## INTERMEDIATE RUN



LENGTH	(A) <sup>1</sup>	(B)	(E) <sup>2</sup>	(C)	(D)
2FT	26.50"	24-3/16"	24"	18"	3"
3FT	38.50"	36-3/16"	36"	30"	3"
4FT	50.50"	48-3/16"	48"	42"	3"
6FT	74.50"	72-3/16"	72"	66"	3"
8FT	98.50"	96-3/16"	96"	90"	3"

\* A flanged end cap (std.) has 3/16" thickness.

\* A flat end cap has 1/16" thickness.

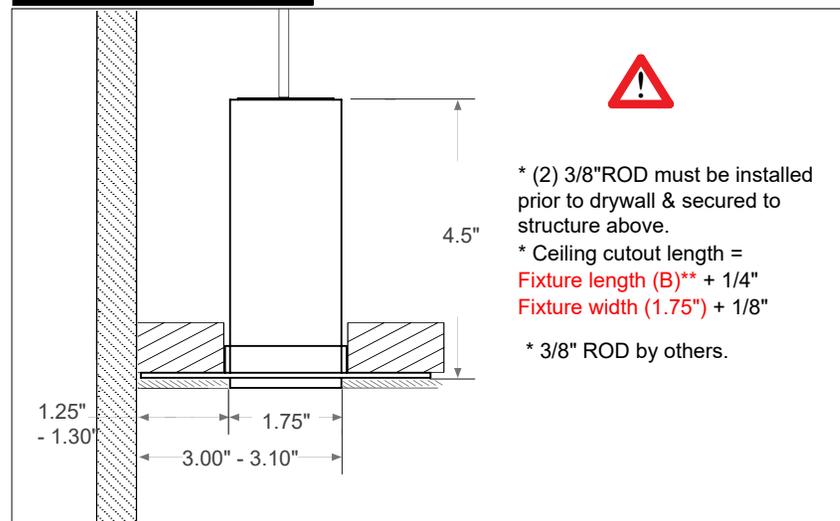
\* Flange is 1.25"

\*\* +/- 1/16" manufacturing tolerance not included.

1. Including the flanged end caps at both ends.

2. A middle run that doesn't require end caps, measured without end caps.

## PREPARATION



\*\* EXAMPLE:

Individual 4FT:  $48\text{-}3/16" + 1/4" = 48\text{-}7/16"$

Continuous Run:

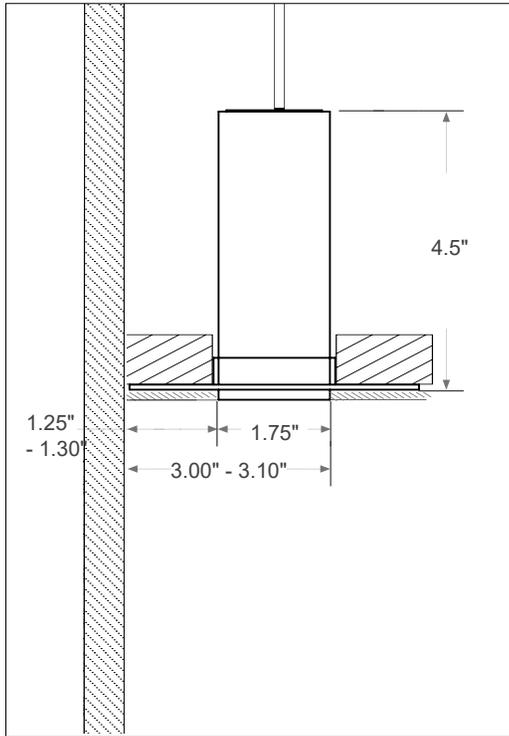
8FT (4x2):  $48\text{-}3/16" + 48" + 1/4" = 96\text{-}7/16"$

12FT (4x3):  $48\text{-}3/16" + 48" + 48" + 1/4" = 144\text{-}7/16"$

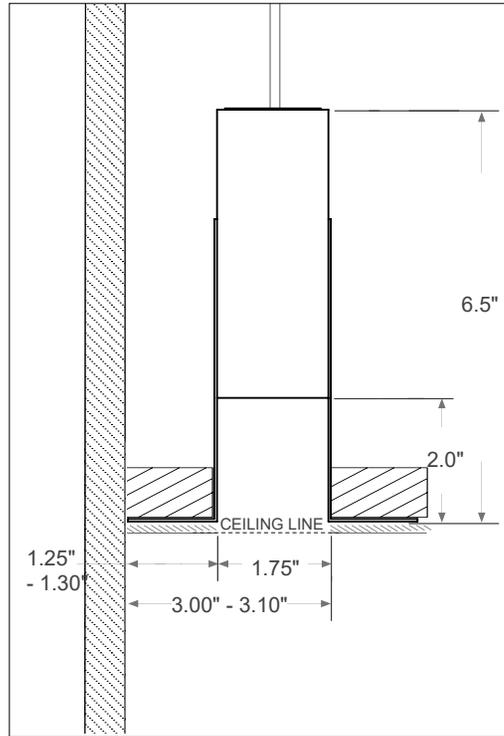
16FT (4x4):  $48\text{-}3/16" + 48" + 48" + 48" + 1/4" = 192\text{-}7/16"$

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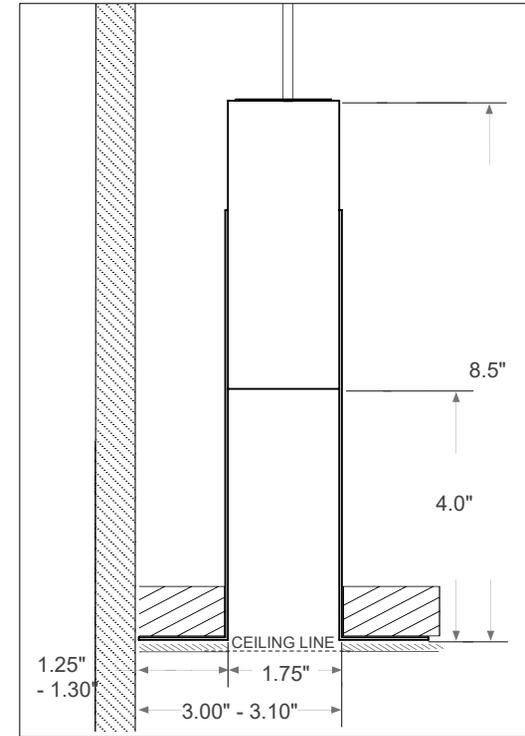
**CEILING LEVEL INFORMATION FOR STANDARD**



Standard: flushed to fixture & ceiling line  
\* Provided with flanged end caps



2" Regressed  
\* Provided with flat end caps



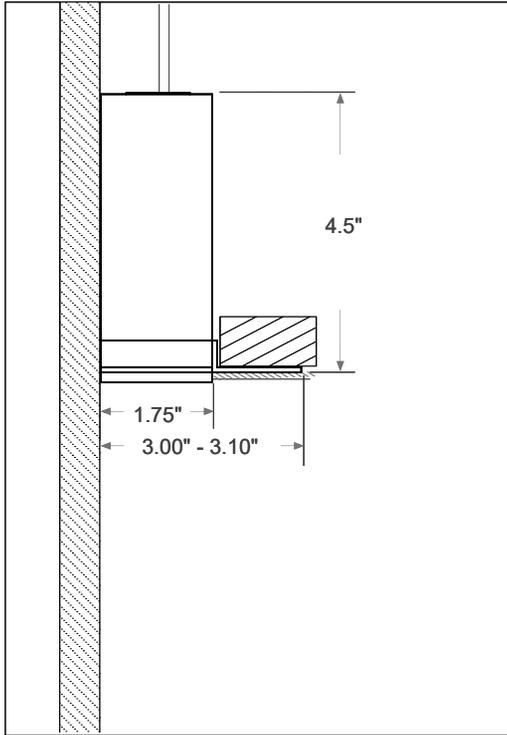
4" Regressed  
\* Provided with flat end caps

WARNING:

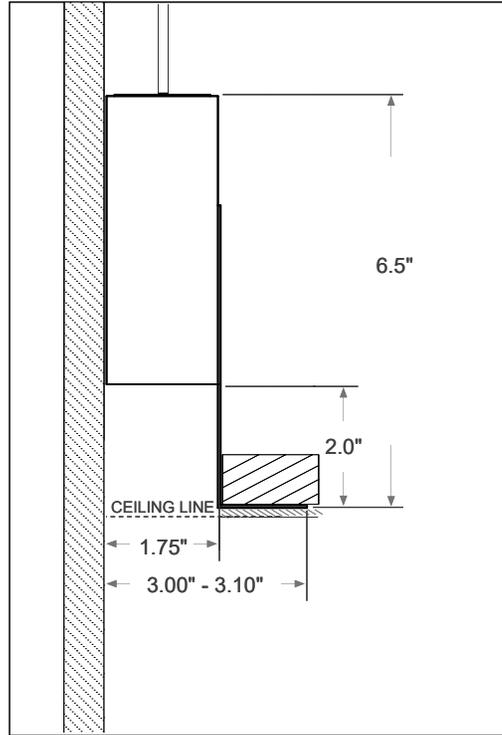


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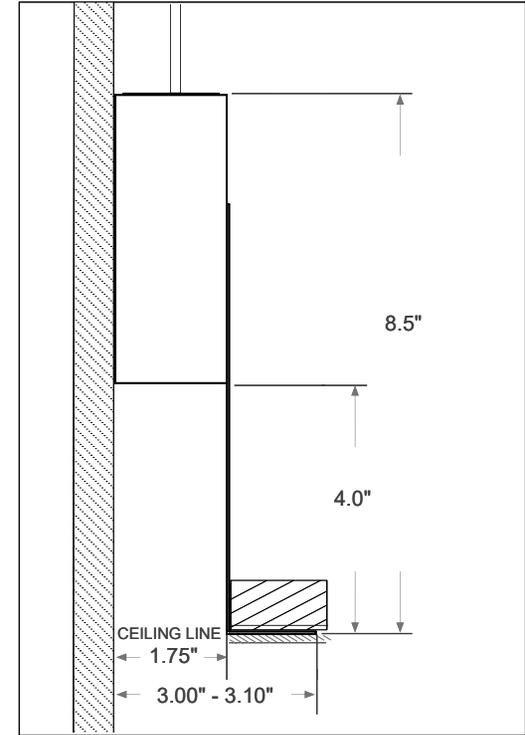
**CEILING LEVEL INFORMATION FOR -NF OPTION**



Standard -TL: flushed to fixture & ceiling line  
\* Provided with flanged end caps



2" Regressed  
\* Provided with flat end caps



4" Regressed  
\* Provided with flat end caps

WARNING:



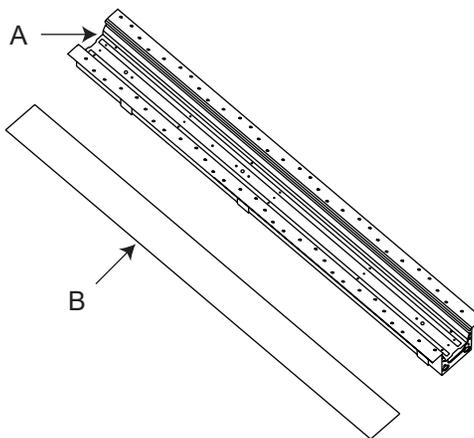
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\* Instructions are based on the standard model.  
\* -TL mounting type: (1) flange provided on the long side of the fixture.

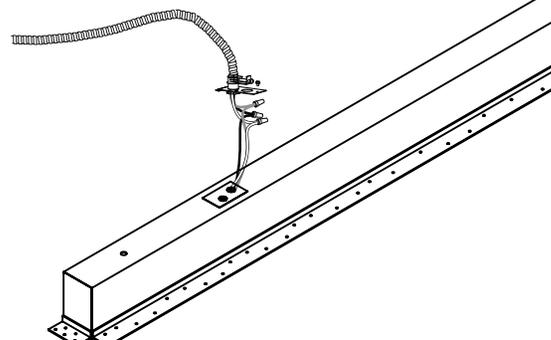
1

Make an opening on Drywall according to the dimensions provided on page 2.



2

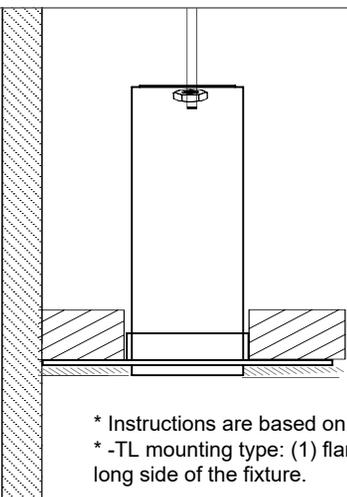
Remove Lens (B) and LED module plate (A).  
SKIP if lens shipped separately.



3

Make electrical connections.

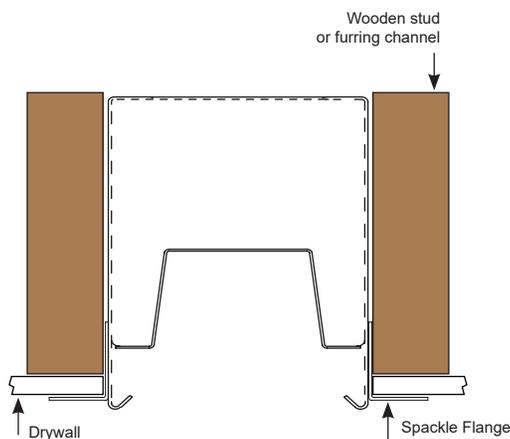
\* Flanged end cap is only provided for Beginning and End run:  
- flushed lens w/ fixed mounting type  
- flushed lens w/ TL mounting type



\* Instructions are based on the standard model.  
\* -TL mounting type: (1) flange provided on the long side of the fixture.

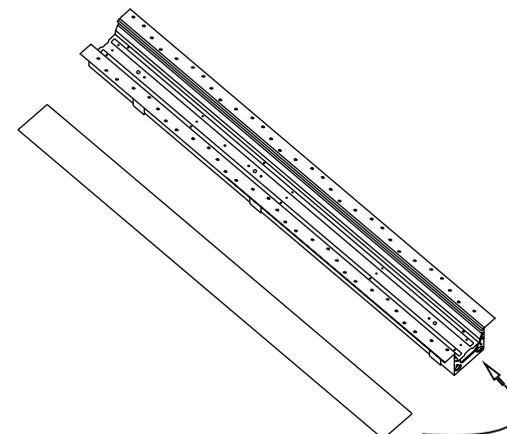
4

Align fixture to pre-cut opening on drywall and insert fixture. Secure and tighten fixture snug to the ceiling using (2) 3/8" rod (by others). CONTINUOUS RUN - refer to 4A.



5

Wooden stud or furring channel must be used to reinforce the screws to the drywall.



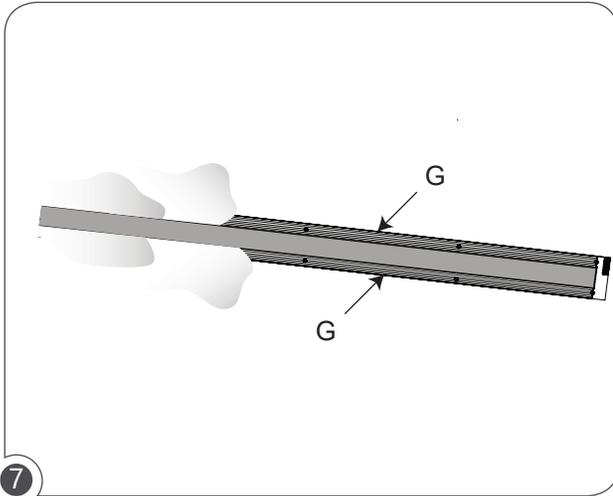
6

Reinstall LED module plate and lens to complete the installation.

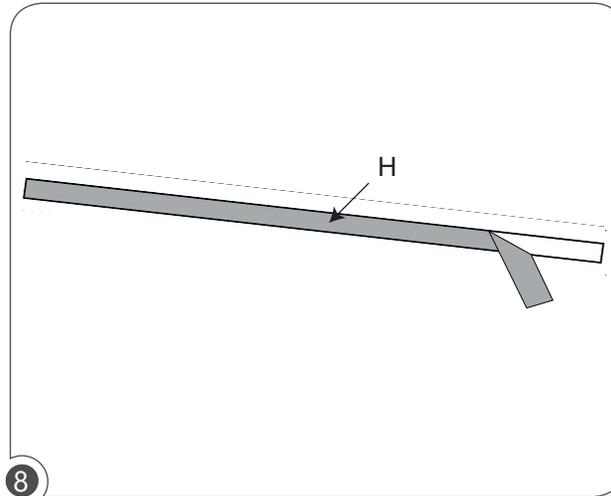
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Plaster and sand over spackle flange (G) to create a smooth finish.



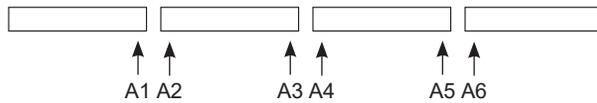
Remove lens protection film from lens (H) BEFORE last plaster layer is fully dry to complete installation.

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TOOL(S) NEEDED:

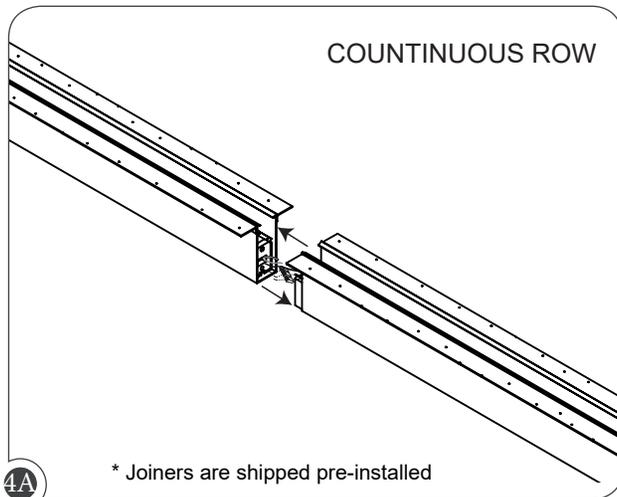
Option 1) Cordless drill and an elbow or L-shape adapter with Philips Insert Bit extension.

Option 2) Flexible Screwdriver with Philips Insert Bit.



**Continuous Row**

Align continuous row fixtures in numerical order under the same alphabet family.



- 1) Make wiring connection from each fixture power supply wires together.
- 2) Align fixtures and pull (2) long bolts from opposite end (provided).