

Mud In Channel Strip Light Kit

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE INSTALLING FIXTURES. SAVE THESE INSTRUCTIONS.

Operating Temperature:
0°C to 55°C (32°F to 131°F)
Suitable for indoor use only.

WARNING: Make sure the power is **OFF** from the electrical panel before starting installation or attempting any maintenance.

Safety:
For your safety, this device must be wired in accordance to local electrical codes and ordinances. All work should be done by a qualified electrician.

Failure to install and wire this kit in accordance with the National Electrical Codes (NEC), all applicable Federal, State, and Local electrical codes, as well as specific UL safety standards for the intended working environment (location/application), may cause serious personal injury or property damage. Knowledge and expertise of electrical systems is required for installing this product. *When in doubt, contact a certified electrician.* If you have any questions during your installation, please contact our Customer Support team at support@aspectled.com or give us a call at **888.503.1317**



Scan to Learn More About This Kit

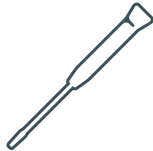


TOOLS YOU'LL NEED

Measuring Tape



Flatblade Screwdriver



Laser Level

**OPTIONAL*



WHAT'S IN THE KIT

Dotless Strip Light
AL-SL-LN-IP20-24-3K
COB | IP20 | 3000K | 16ft

Mud-In Wide Mounting Channel
AL-TRK-MUD2-W-FST
6.5ft (2m) | Qty: 2 | Silver Finish, Frost Lens

Mud-In Wide Mounting Channel
AL-TRK-MUD2-W-FST
3.3ft (1m) | Qty: 1 | Silver Finish, Frost Lens

100 Watt Driver
AL-PS-W-100-24
24VDC | Class 2 | IP67

Casambi Wireless Long Range Controller
AL-CTRL-CBU-PWM4-LR
Bluetooth | 4 Channel

18 AWG In-Wall Extension Wire
AL-WIRE-18-2
17ft | 2 Conductor

WAGO Connectors
Single Wire Lever Nut
Qty: 2

Drywall Saw
(or reciprocating saw)

Drywall Mud

Drywall Mesh or Tape

Blocking

(2x4 or 2x6 wood cut to fit between studs for additional install security)

Sheet Rock Sander

Painters Tape

Putty Knife

Level

Sheet Rock Screws

BEFORE YOU BEGIN



Safety First!

An easy way to remember the essential safety steps is by using the acronym **S.A.F.E.T.Y.** – a quick guide to stay safe and prepared.

S: Shut off the power

A: Ask a licensed electrician if needed

F: Follow NEC guidelines

E: Equip yourself with proper PPE

T: Treat the wires as live

Y: You are responsible

PLANNING CONSIDERATIONS



This kit supports up to 16 feet of illuminated channel.



Determine where you want to install the accent lighting.



This kit is designed for installation in 1/2" or 5/8" drywall.



New construction: Add blocking so the channel has a mechanical attachment point every 16 inches.



Retrofit installations: Whenever possible, position the channel so it can be mechanically fastened to framing every 16–24 inches.



If blocking is not available in a retrofit, it is strongly recommended to add blocking to reduce the risk of long-term drywall cracking.



The kit includes 17 feet of in-wall-rated wire, sized to support the load while minimizing voltage drop.



If additional wire length is required, consult a voltage drop chart.



For longer runs, purchase an additional kit and repeat the installation process. **Do not daisy-chain kits.**

INSTALLATION INSTRUCTIONS

NEW CONSTRUCTION

1 Layout & Blocking

- Mark both sides of the intended aluminum channel location on the studs.
- Ensure blocking or framing support is installed behind the channel at 16 inch intervals.

2 Wire Routing

- Plan and install a path for the in-wall rated wire from the power source and Casambi controller to the channel location.
- Secure wiring according to local electrical code requirements.

3 Drywall Installation

- Install drywall using standard industry practices.
- Cut the drywall opening to match the channel dimensions.

4 Mount the Channel

- Set the channel into the cutout.
- Fasten the channel to blocking or framing using drywall screws.
- Recommended screw spacing is every 8 inches.
- Where no blocking is present, use 1/2" or 5/8" drywall screws and avoid overtightening. These screws should only grip the drywall.

5 Mudding & Taping

- Apply joint compound over the channel flange.
- Embed drywall tape into the compound and finish using standard drywall techniques until seamless.
- If you need help with finishing the drywall, we recommend looking for finishing tutorials online.

6 Final Surface Prep

- Complete all drywall finishing and final paint before installing the LED strip.
- *Optional:* Cover the channel opening with painter's tape during finishing to keep it clean.

7 Install the LED Strip Light

- Install the Dotless LED Strip.
- *Best practice:* Peel the adhesive backing gradually as you press the strip into place, rather than removing it all at once.

8 Electrical Connections

- Bring the in-wall rated feeder wire into one end of the channel.
- Make all electrical connections per the wiring diagram.

9 Power & Casambi Setup

- Restore power and confirm operation.
- Set up the system using the Casambi app (iOS or Android) following the Casambi installation instructions. Scan the QR code to view our set up guide.



INSTALLATION INSTRUCTIONS

RETROFIT APPLICATION

1 Layout & Inspection

- Identify the channel location and mark both sides of the cutout.
- Be mindful of existing wiring, plumbing, or fasteners behind the drywall.

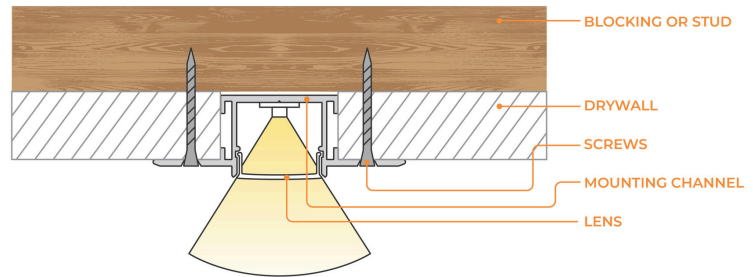
2 Cut the Drywall

- Cut the opening for the channel.
- If existing drywall screws are encountered, back them out. Do not leave screws buried behind the channel.

3 Blocking & Support

- If no framing is present behind the channel, add blocking whenever possible.
- Proper blocking greatly reduces the chance of future drywall cracking.
- Where framing is available, fasten the channel securely using standard drywall screws.

BLOCKING INSTALLATION EXAMPLE



4 Wire Fishing

- Fish the in-wall rated wire from the power source and Casambi controller to the channel location.
- Connect the wire at the front end of the LED strip.

5 Finish, LED Install & Setup

- Mud, tape, and finish the drywall as previously described.
- Install the LED strip, make final connections, restore power, and set up using the Casambi app.

6 Wiring Diagram

- Scan the QR code to view the online installation guide and wiring diagrams.



7 Test & Check Your Lights

Once you've configured your switch, test your light setup to make sure it's working properly.

Experiencing Issues? Give our team a call anytime from 7:30a - 5:30p CST, Monday-Friday or send us a message at support@aspectLED.com

8 That's it, you're all set!

Nice work! You've completed the conventional installation process and your seamless Mud-In Strip Lighting Kit is ready to go.

For general information purposes only. Specifications, dimensions and construction not guaranteed and are subject to change without notice.