

Toe Kick Lighting Kit

IMPORTANT SAFETY INSTRUCTIONS

**READ ALL INSTRUCTIONS BEFORE INSTALLING FIXTURES.
SAVE THESE INSTRUCTIONS.**

Operating Temperature:
-20°C to 50°C (-4°F to 122°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

- | | |
|-----------------------------|------------------------------|
| Small Flat-Head Screwdriver | Paper Towels |
| Measuring Tape | Wire Cutters |
| Drywall Saw | Wire Strippers |
| Switch Box | |
| Screwdriver | Recommended |
| Miter Saw | • Leviton® 1-Gang Wall Plate |
| Scissors | with Cable Opening |
| Isopropyl Alcohol | • Wire Snake |

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 requirements
- E:** Equip yourself with proper PPE
- T:** Treat the wires as live
- Y:** You are responsible

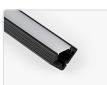
INSTALLATION TIP



If you choose not to use the supplied wire, select low-voltage wire with a jacket color that closely matches your toe kick or cabinetry to help conceal the installation.

WHAT'S IN THE KIT

The kit comes in two lengths: 16 ft (one reel) or 32 ft (two reels) of Summit Free Cut 3000K LED Strip Light, with all necessary accessories included.

KIT COMPONENT		ONE REEL	TWO REELS
A	 Summit Free Cut LED Strip Light AL-SL-FC-IP20-24-3K CSP LED CHIP IP20 3000K	16ft	32ft
B	 100W Power Supply AL-PS-W-100-24	1	1
C	 Casambi In-Wall Wireless Dimmer Switch AL-CTLR-DIMSW-CAS	1	1
D	 Casambi 4-Channel Long Range Controller AL-CTLR-CBU-PWM4-LR	1	1
E	 Jumper Connectors AL-SL-CN-DLS-JUMPER-1	10	20
F	 Splice Connectors AL-SL-CN-DLS-SPLICE-1	10	20
G	 Angle Splice Connectors AL-SL-CN-DLS-ANGLESPLICE-1	10	20
H	 Pigtail Connectors AL-SL-CN-DLS-PIGTAIL-1	10	20
I	 1 M Corner Mount LED Channel, Narrow AL-TRK-CRN-N-BFST-1M-KIT Black Frosted Lens	5	10
J	 End Caps (with Hole) AL-TRK-CRN-N-ECB	10	20
K	 End Caps AL-TRK-CRN-N-ECB	10	20
L	 14 AWG In-Wall Rated Wire AL-WIRE-14-2	30ft	30ft
M	 Mini Low Voltage Terminal Junction Boxes AL-SL-CN-TRM-BX	10	20



1 Install the Casambi Wireless Switch (C)

Choose a location for the [Casambi In-Wall Wireless Dimmer Switch \(C\)](#).

Because the switch is powered by line voltage, install it according to all applicable electrical codes.

Since communication is wireless via Bluetooth, the switch can be located almost anywhere within the room.

1. Cut an opening for a single-gang electrical box.
2. Install the electrical box.
3. Run line-voltage power to the box.
4. Wire the switch according to wiring instructions.
5. Install the switch into the electrical box.



2 Plan Your Lighting Layout

Determine where each [Summit Free-Cut LED Strip Light \(A\)](#) will be installed.

Keep these installation guidelines in mind:

- The maximum distance between the [controller \(D\)](#) and the [LED strips \(A\)](#) depends on the wire gauge used. Size your wiring using a voltage drop chart and keep voltage drop below 3%.
- Each continuous run of [Summit Free Cut LED Strip Light \(A\)](#) can be up to 16.4 ft or one full reel.
- Runs longer than 16.4 ft require a home run back to the [power supply \(B\)](#) and [controller \(D\)](#). Do not link strips in series (daisy chaining).

Measure the total length of toe kick lighting needed. Then mark:

- LED channel locations
- Mounting clip locations
- Wire routing

! Remember – Measure twice. Cut once.



3 Plan the Power and Wire Routing

Choose a location for the [power supply \(B\)](#) and [Casambi controller \(D\)](#).

The power supply and controller must:

- Remain accessible
- Have adequate airflow (at least 3" airgap recommended)
- Be installed according to applicable electrical codes

Choose one of the following wire routing methods.

OPTION A

Route the supplied [14 AWG wire \(L\)](#) through the wall to the top of the cabinets, then drill through the cabinets until you reach the underside.

OPTION B

Route the supplied [14 AWG wire \(L\)](#) through the wall so it exits directly beneath the cabinets.



4 Build the Toe Kick Light Bars

Using the measurements from Step 2:

1. Cut the [Corner Mount LED Channel \(I\)](#) to length using a miter saw.
2. Using scissors or tin snips, cut the lens separately to match the channel length.
3. Cut the [Summit Free Cut LED Strip Light \(A\)](#) to fit the channel. When cutting, take into account the [channel end caps \(J&K\)](#).

Since Summit is a free-cut strip, it can be cut almost anywhere! **You are not limited to designated cut marks.**

Make Necessary Connections

Depending on your layout, install:

- [Jumper Connectors \(E\)](#) to span gaps
- [Splice Connectors \(F\)](#) to join strip sections
- [Angle Splice Connectors \(G\)](#) for inside or outside corners
- [Pigtail Connectors \(H\)](#) to connect the strip to power wiring

If preferred, you may solder directly to the strip instead of using the supplied connectors.

Assemble the Light Bar

1. Remove the adhesive backing from the [Summit Free Cut LED Strip Light \(A\)](#).
2. Install the strip into the [Corner Mount LED Channel \(I\)](#).
3. Snap the lens into the channel.
4. Install the [End Caps \(J\)](#) and [\(K\)](#).

Repeat these steps for each light bar.



5 Install the Light Bars

1. Secure the mounting clips beneath the cabinets in the locations marked earlier.
2. Snap each completed light bar into the mounting clips.
3. Route the wiring from each light bar into a [Mini Terminal Junction Box \(M\)](#).
4. Secure each junction box beneath the cabinets.
5. Use the supplied [14 AWG wire \(L\)](#) to connect between junction boxes and back to the [Casambi controller \(D\)](#).

Use the supplied wire to bridge obstacles such as:

- Dishwashers
- Ovens
- Refrigerators
- Gaps between cabinets



6 Complete the Wiring

1. Connect all low-voltage wiring from the [Mini Terminal Junction Boxes \(M\)](#) to the [Casambi 4-Channel Long Range Controller \(D\)](#).
2. Connect the [controller \(D\)](#) to the [power supply \(B\)](#).
3. Verify polarity on every connection.
4. Restore power and test the lighting system.
5. Confirm all light bars operate as expected.



7 Finish the Installation

Repair any drywall openings created during installation.

For a cleaner finish where wiring enters the wall, we recommend using a Leviton® 1-Gang Wall Plate with Cable Opening.

Clean the installation area and remove any debris.



8 Set Up Casambi

Follow our online Casambi setup guide to:

- Pair the controller
- Connect the wireless switch
- Create lighting scenes
- Adjust dimming levels
- Customize your lighting controls

Scan the QR code for more detailed online instructions.



9 Enjoy Your New Toe Kick Lighting!

Your installation is now complete.

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