

Under Cabinet 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 system 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**



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This Kit



TOOLS YOU'LL NEED

Small Flat-Head Screwdriver	Scissors
Phillips Screwdriver	Single-Gang Electrical Box
Measuring Tape	*Recommended
Drywall Saw	• Leviton® 1-Gang Wall Plate with Cable Opening
Drill/Driver	• Fish Tape or Wire Snake
Miter Saw	

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

Share Your Work!

Thank you for choosing us for your project—we're thrilled to be a part of it! Share your finished projects with us on social media for a chance to be featured!



INSTALLATION TIPS



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



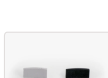
The maximum distance between the power supply and the LED strips depends on wire gauge. Size your wiring using a voltage drop chart and keep voltage drop below 3%.

WHAT'S IN THE KIT

The 1 Reel Kit and 2 Reel Kit includes either 16 ft (one reel) or 32 ft (two reels) of Summit Free Cut 3000K LED Strip Light, with all necessary accessories included.

KIT COMPONENTS

ONE REEL TWO REELS

			ONE REEL	TWO REELS
A		Summit Free Cut LED Strip Light AL-SL-FC-IP20-24-3K CSP IP20 3000K	16ft	32ft
B		InDrive 2-in-1 Dimmer Switch + Driver AL-CTLR-DIMDR-SC 96W IP65 Single or 3-pole	1 switch	1 switch
C		14 AWG 2-Conductor In-Wall Rated Wire AL-WIRE-14-2	30ft	30ft
D		Jumper Connectors AL-SL-CN-DLS-JUMPER-1	10	20
E		Splice Connectors AL-SL-CN-DLS-SPLICE-1	10	20
F		Angle Splice Connectors AL-SL-CN-DLS-ANGLESPLICE-1	10	20
G		Pigtail Connectors AL-SL-CN-DLS-PIGTAIL-1	10	20
H		Mini Terminal Junction Box AL-SL-CN-TRM-BX	10	20
I		Surface Mount LED Channel AL-TRK-SM-N-SFST-1M Silver Frosted Lens	5	10
J		End Caps (Set of 2) AL-TRK-SM-N-ECW-2	5 sets	10 sets
K		Mounting Clips AL-TRK-SM-N-MC-1	10	20



1 Install the Dimmer Switch

Choose a location for the [InDrive 2-in-1 Dimmer Switch + Driver \(B\)](#).

1. Cut an opening for a single-gang electrical box.
2. Install electrical box.
3. Run line-voltage power to the box.
4. **Do Not** connect the [InDrive \(B\)](#) until all low-voltage wiring has been completed.



2 Plan Your Lighting Layout

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

- Measure twice, cut once.
- Every 16.4ft of [Free Cut LED strip light \(A\)](#) will need a home run wire connection to the [InDrive \(B\)](#). **The LED strips should not be daisy-chained beyond 16.4ft of lighted length**, not including wires & connectors.

Mark:

- LED strip locations
- Mounting clip locations
- Wire routing



3 Plan the Wire Routing

Route the supplied [14 AWG In-Wall Rated Wire \(C\)](#) to each lighting location.

OPTION A

Run the wire through the wall to the top of the cabinets, then drill through the cabinets until you reach the underside.

OPTION B

Run the wire through the wall so it exits directly beneath the cabinets.



4 Build the Light Bars

Using the measurements from Step 2:

1. Remove the frosted lens from the [Surface Mount LED Channel \(K\)](#).
2. Cut the aluminum [Surface Mount LED Channel \(K\)](#) to length using a miter saw.

Do not cut the frosted lens with a miter saw. Cut the lens separately with scissors or snips.

3. Cut the frosted lens to match the channel length.
4. Cut the [Summit Free-Cut LED Strip Light \(A\)](#) to fit the channel.

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

Make Any Required Connections

Depending on your layout, install one of the following where necessary:

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

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 Strip Light \(A\)](#).
2. Install the strip into the [Surface Mount Channel \(K\)](#).
3. Snap the frosted lens back into place.
4. Install the [End Caps \(I\)](#) for a clean, finished appearance.

Repeat for each light bar.



5 Install the Light Bars

Route the supplied [14 AWG In-Wall Rated Wire \(C\)](#) to each lighting location.

1. Secure the [Mounting Clips \(J\)](#) in the locations marked earlier.
2. Snap each completed light bar into the clips.
3. Route the wiring from each light bar into a [Mini Terminal Junction Box \(H\)](#).
4. Secure the junction boxes beneath the cabinets.
5. Use the supplied [14 AWG Wire \(C\)](#) to connect between junction boxes and back to the [InDrive \(B\)](#).

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 \(H\)](#) to the [InDrive \(B\)](#).
2. Verify polarity on every connection.
3. Test the lighting system.
4. Install the [InDrive \(B\)](#) into the electrical box.
5. Install the wall plate.

The [InDrive \(B\)](#) includes an internal divider that separates line-voltage wiring from low-voltage wiring for a clean, code-friendly installation.



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.

Once everything has been tested and cleaned up, your installation is complete!