OPTIC LIGHTING

# ACCENTGLOW PRO™ Lighting Strips Installation

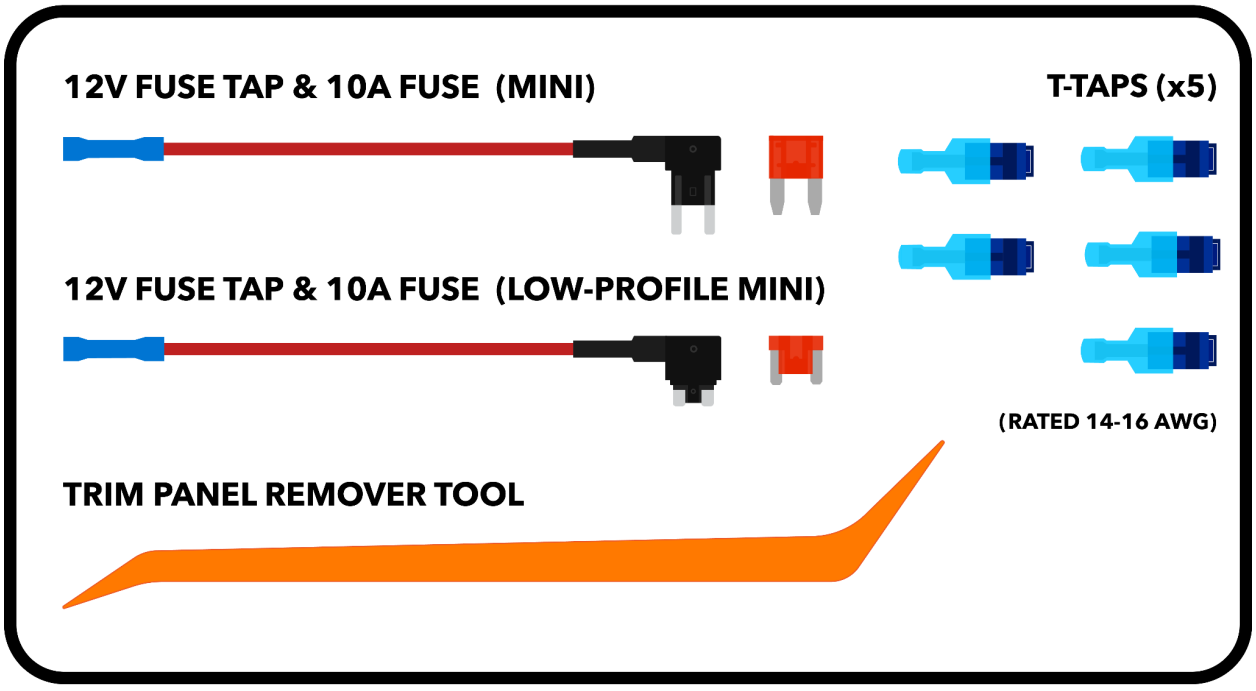
**Disclaimer:**

This is a general installation guide - the best practices regarding the installation process for these lighting strips including placements, powering, and concealment will vary based on vehicle model/make and personal preference. The following guide will display a typical installation procedure, along with instructional tips which can be taken and adapted to meet the needs of many different interiors.

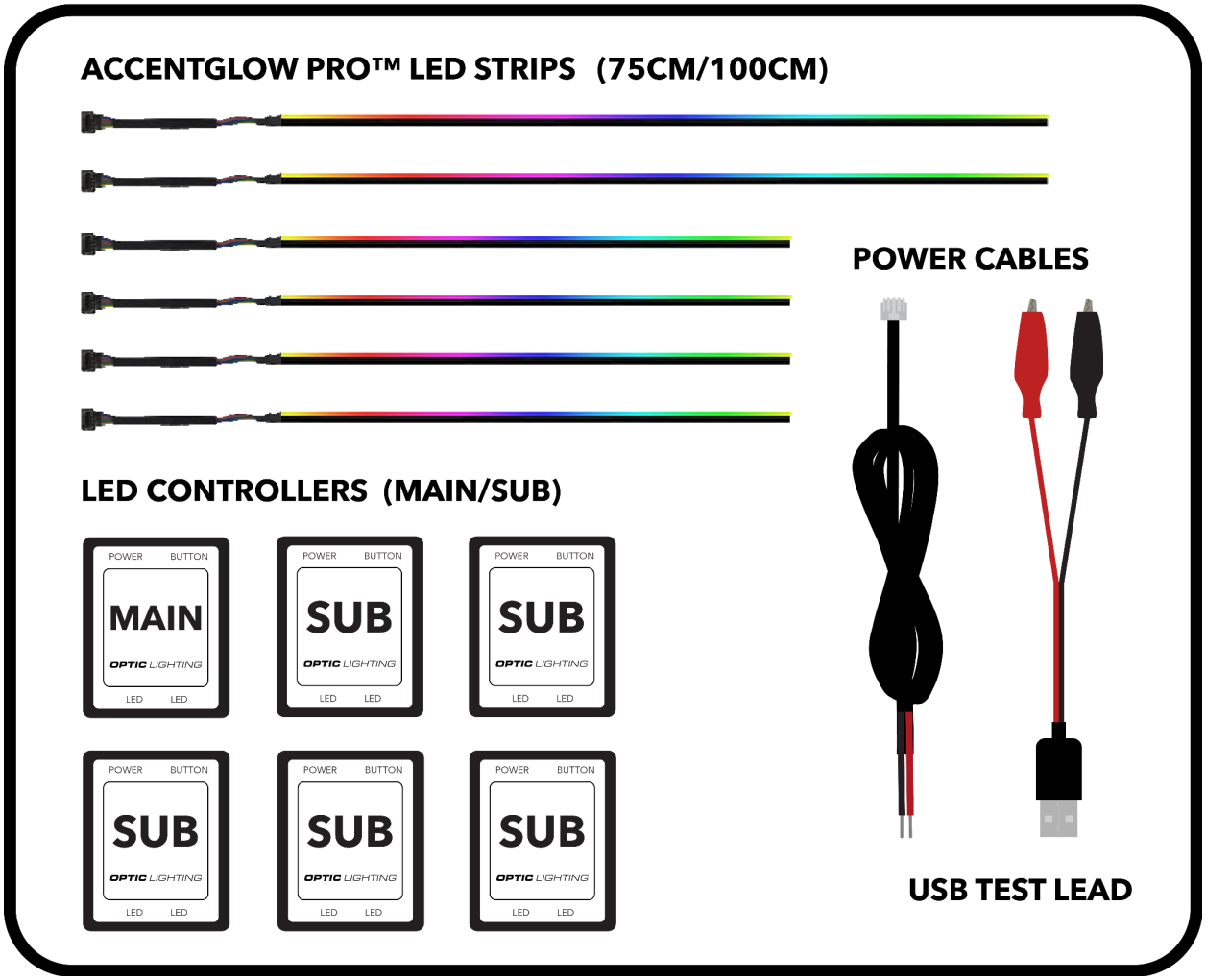
**Additional Disclaimers & Terms of Use:**

Optic Lighting is not responsible for any damages caused as a result of an improper installation performed by a customer, professional, or recommended auto shop. Optic Lighting is not responsible for the installation of the product, and assumes no liability for the installation of the product. Lighting components which are functional upon arrival and are damaged in the course of installation can not be replaced. Improper installations can result in electrical damage to vehicle or self, exercise extreme caution when selecting sources to power any aftermarket auto accessories within your interior. Ensure to properly research wiring diagrams for your vehicle's exact make/model/trim before tapping into any OEM wiring. We strongly advise seeking installation assistance from a professional if you are uncomfortable installing aftermarket accessories in your vehicle, or wiring items directly to your vehicle. Optic Lighting's liability will not, under any circumstance, exceed the price of the products purchased. Before operating, ensure all local and state laws regarding interior vehicle lighting permit the use of interior ambient lighting.

## Installation Components: (Optional Add-On)



## All Available Components: (Strips Sold Individually)

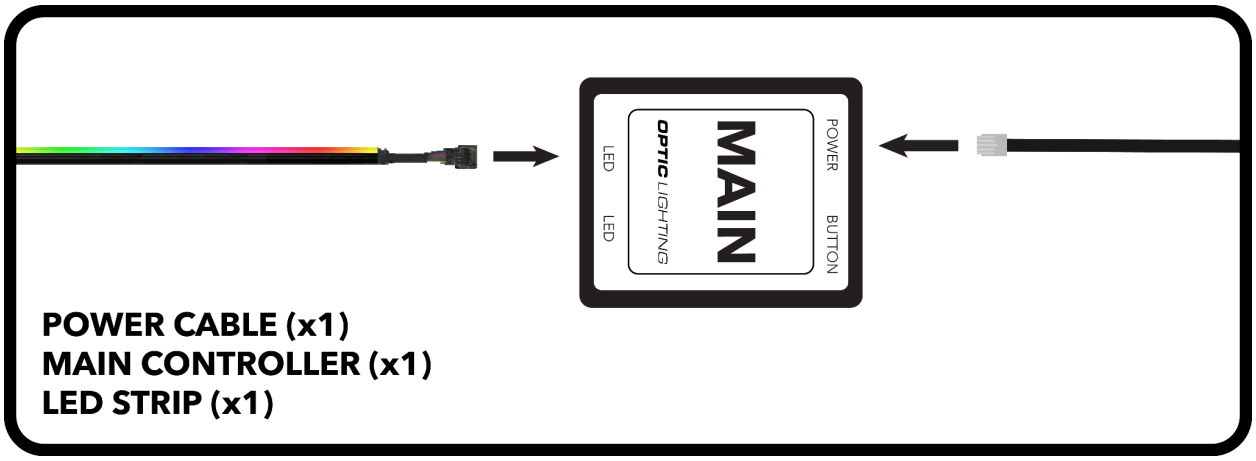



# Testing the Strips

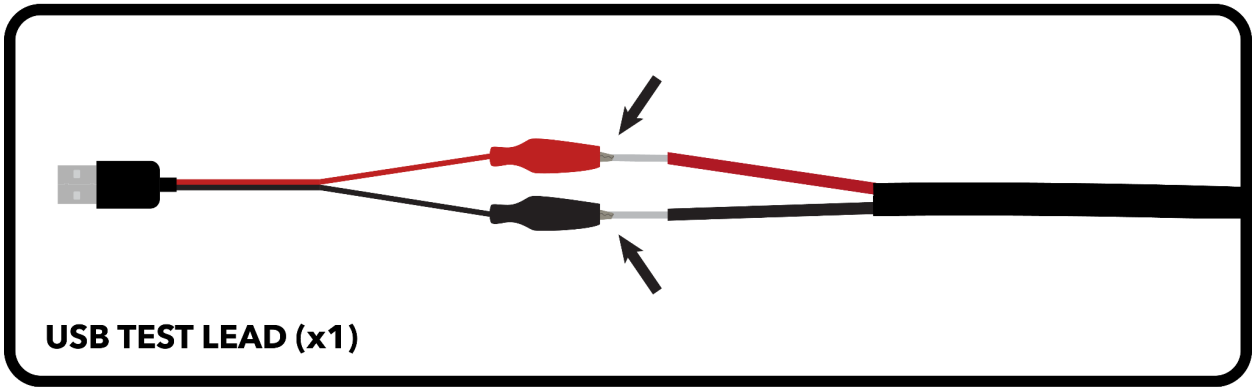
1. Remove **LED Strips** from packaging, smooth edges

2. Locate the **Main Controller**, **Power Cable**, and **USB Test Lead** and remove from the packet included in the main bag. The main controller acts as the master bluetooth receiver, sub controllers only function when the main controller receives power.

3. Insert the **Power Cable** to the port marked “POWER” on the **Main Controller** until clicked in place. Next, connect the **LED Strip** to either port marked “LED”. Controllers can support up to two Strips each. (Exercise caution when removing LED strips from ports, as pulling too forcefully can damage the wires located near the pin connector.)




4. Connect the **USB Test Lead** red/black alligator clips to the **Power Cable** hardwire ends as shown. Ensure the alligator clips are matched to their correct corresponding colors on the hardwire cable.




5. Plug the **USB Test Lead** into any USB port to power the controller, LED Strip should illuminate.

6. To test lighting modes, download the mobile application by scanning the QR code on the back of the **Main Controller** with your device's camera. Once downloaded, test adjusting speed, changing to different lighting modes, toggling power, solid colors, etc.

# Planning Placements & Powering

## Placements

1. Begin by scouting your interior for potential placement locations. Identify gaps between interior trim panels, or seams where panels can be removed and LED strips inserted in place. Common interior placements include, but are not limited to:

    - Seams along door panels
    - Trim gaps along front dash
    - Trim gaps around and along center console

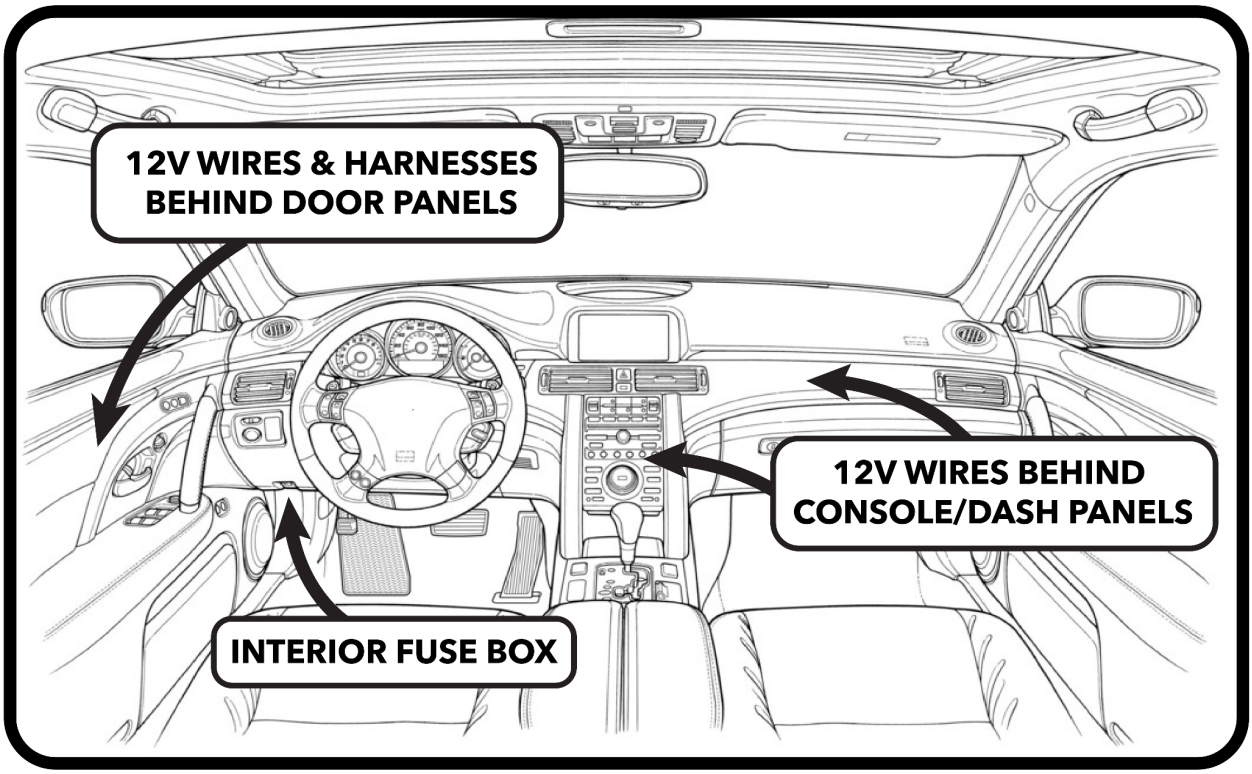
    ***These LED strips work best in areas with straight long length sections of trim, or around interior seams with smooth to moderate curves. Attempting to install these LED strips in placements with extremely tight angled bends can result in a snapped LED strip - consider this when planning placement locations, and exercise caution when inserting the strips between panels to avoid potential damage.**

2. Measure each selected placement and determine where your LED strips will be used based on their lengths. 75cm strips work well for door placements, while the 100cm strips are better suited for longer interior placements, ex. along the front dash.

3. For each planned interior placement, select a powering method for the LED controller powering the LED strip. (Main & Sub controllers can each power up to 4 LED strips).

## Powering

Potential powering options throughout the interior include, but are not limited to:




- **Interior fuse box: Fuse Tap (recommended for main controller)**
    - The optional installation components add-on includes two types of fuse taps, mini, and low-profile mini. These fuse taps, as well as taps with different fuse shapes (Micro 2, Maxi, ATO, etc.), can also be purchased locally.
- **12V wires behind door panels (front dash panels, or center console panels): T-Tap**
    - The installation components add-on also includes 5x T-Taps, rated for 14-16 AWG wire thickness. If thinner or thicker wires need to be tapped in your interior, T-Taps to support smaller or larger AWG may be purchased separately.
- **Car door wiring harnesses (power windows, door handle lights)**

**BEFORE PROCEEDING WITH ANY SELECTED POWERING METHOD:**

- Consult OEM wiring guides for your vehicle's exact make/model/trim to determine where 12V power can be tapped safely.
- Ensure to research each method and reference video installation guides if attempting any of the above methods for the first time, as improper installations can result in electrical damage to vehicle or self.
- We strongly recommend seeking professional installation assistance if you are uncomfortable modifying and/or hardwiring accessories directly to your vehicle. If interested in a professional installation, please email support@opticlighting.co with your zip code for a list of potential local installers near the area.

# Installing Placements

1. Begin installing each previously planned interior placement one at a time, based on your selected LED strip locations and selected powering method for each placement. Remove any panels needed to insert LED strips between gaps, and to gain access to power sources. Consulting OEM interior diagrams for your vehicle's specific make/model is recommended prior to beginning this process.

2. Once panels have been removed, mount the LED Strip in place first, before routing the power cable to the LED controller, and connecting the LED controller to its power source.

***When trimming LED strips with scissors, always overestimate the required length. Aim to leave an extra 1-2cm of safety length when making the initial cut. This extra 1-2cm of safety length will ensure consistent brightness along the entire visible length of the placement, more precise cuts can always be made after the initial safety length trim.**

3. After each LED strip and LED controller is mounted and connected to power, connection can be tested by switching the ignition in your vehicle. Confirm that the LED strips illuminate, and that no nearby components have been affected by the installation process. Repeat and reassemble interior panels after each completed placement.

**Additional questions or concerns? Please email support@opticlighting.co**