

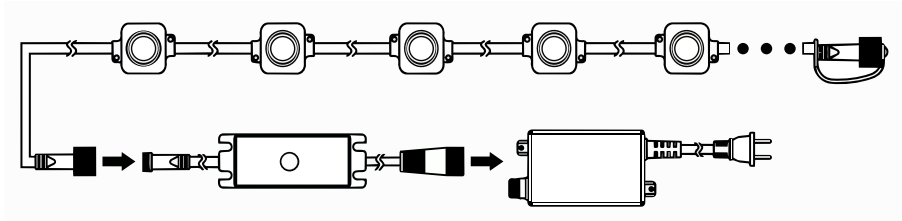
INSTRUCTIONS

VIBE RGB PERMANENT LIGHT INSTALLATION



RAB Lighting is committed to creating high-quality, affordable, well-designed and energy-efficient LED lighting and controls. We'd love to hear your comments. Call Marketing at 888-RAB-1000 or email marketing@rablighting.com.

**** DON'T TOSS IT—RECYCLE IT! MAKE THE SUSTAINABLE CHOICE BY RECYCLING THIS FIXTURE AT END OF LIFE WITH A LICENSED RECYCLING PROVIDER. ****



VBE/RGB

IMPORTANT

READ CAREFULLY BEFORE INSTALLING. RETAIN FOR FUTURE REFERENCE.

Must be installed per the National Electrical Code and all local codes, by a person familiar with the construction, operation, and hazards of the product. Proper grounding is required.

NOT FOR EMERGENCY LIGHTING. RISK OF ELECTRIC SHOCK. See full FCC/regulatory information on the last page.

- Use only outdoors if marked for outdoor use, and only with a **GFCI-protected outlet**.
- Keep at least 16 ft. (4.8 m) from pools and spas. Keep plugs/receptacles dry — do not submerge.
- Disconnect power before wiring, replacing fuses, or servicing.
- Do not mount near heat sources (heaters, fireplaces, candles).
- Do not staple or nail the wiring — use only the mounting hardware provided.
- Do not let light units rest on the supply cord; do not hang objects from the cord or light string.
- Do not alter or replace the plug. If it doesn't fit the outlet, contact a qualified electrician.
- Do not cover the product with cloth or other material while in use.

EXTENDABILITY: Enable to add extra 2 VBE-EXT/RGB and maximum 144 lights, protect connections from exposure to rain and water.

WHAT'S IN THE BOX

What's in the Box	# of pieces	
25 ft. Light Strip (108 Lights each)	6 pcs	
8 ft. Extension Cable	1 pc	
Controller	1 pc	
Power Supply with Plug	1 pc	
Adhesive Pads	5 pcs	
Seal Glue	1 pc	

What's in the Box	# of pieces	
2.5mm Self-Tapping Screws	230 pcs	
3M Double-Sided Tape	2 pcs	
3mm Self-Tapping Screws	9 pcs	
3mm Captive Screws	4 pcs	
Cable Clips	6 pcs	
End Cap	1 pc	

WHAT YOU'LL NEED



Ladder



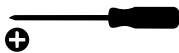
Drill



Drill Bits



Wire Cutters (optional)



#1 Phillips Screwdriver



Pencil



Measuring Tape

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INSTALLATION

Step 1 — Create a Layout Plan

Stand in front of your house and identify:

1. Places you want to illuminate, such as eaves, dormers, and rooflines.
2. The outlet that will power your lights. It must be a **GFCI outlet**.

Confirm your lights can reach the power outlet and that you can safely reach every place you'd like to install lights.

NOTE: IF YOU DO NOT FEEL COMFORTABLE ON ROOFS OR DO NOT HAVE EQUIPMENT TO SAFELY REACH THE INSTALLATION POINT, MODIFY YOUR LAYOUT TO AVOID THESE AREAS OR HIRE A PROFESSIONAL TO INSTALL YOUR LIGHTS.

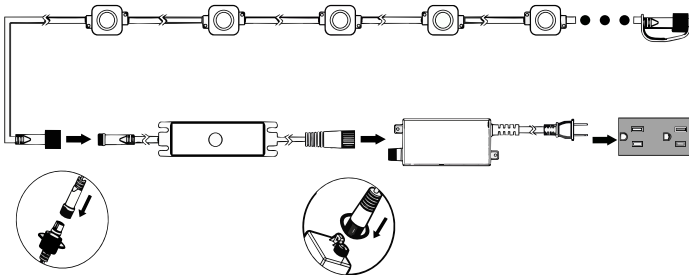
The box includes 150 linear ft. of lights (*spaced about 16.5 in. apart*) and connecting cables. Measure the areas of the house where you want to install lights, accounting for both horizontal and vertical distance from the outlet, and ensure you stay within 150 ft. If you need additional length, you can add **EXT-VBE/RGB** (*sold separately*) to extend the total length up to 200 ft. using one power supply.

Step 2 — Pre-Connect and Test the Lights

CAUTION: RAB's VIBE Permanent Outdoor Lighting, including its LEDs, housing, power cord, LED driver, and internal wiring, meets all ETL product certification requirements from our factory. However, when this luminaire is modified in any way by cutting and removing the NEMA 5-15 plug with the specific intent to splice the luminaire into a 277 VAC circuit, the luminaire "will not" meet the ETL product certification standard.

1. Connect the **lights** and **extension cables** together by inserting the female end into the male end and tightening the **screw cap**. Connect the light string to the **controller** and **power supply** (*Fig. 1*).
2. Plug in and turn on to confirm all lights illuminate before you begin mounting.

Fig. 1



Step 3 — Mount the Power Supply and Controller

Plug the **power supply** into a **GFCI outlet** (*an enclosed, weatherproof-rated GFCI outlet for outdoor installs*). Mount the power supply higher than 12 in. (0.3 m) above the ground. Do not nail through wires or cables, use the provided screws and clips. Avoid sharp edges.

1. Unplug the power supply before mounting.
2. Mount the **power supply**: drill a pilot hole (*3/32 in. bit*) and screw into place with **3mm mounting screws** (*Fig. 2*).
3. Mount the **controller**: remove from bracket, position with closed end down, clean surface, remove adhesive cover, press 20 sec to temporarily hold. Drill a pilot hole (*3/32 in.*), screw in with **3mm screws**. Peel **double-sided tape**, adhere controller, and slide into bracket from the top (*Fig. 3*).

Fig. 2

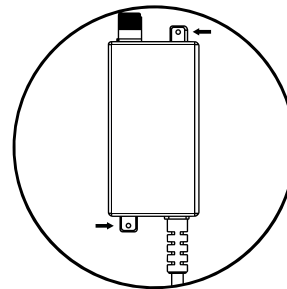
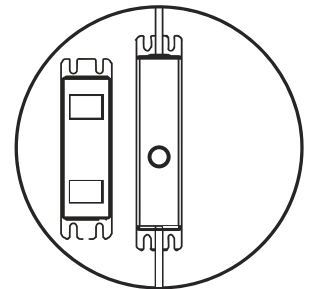


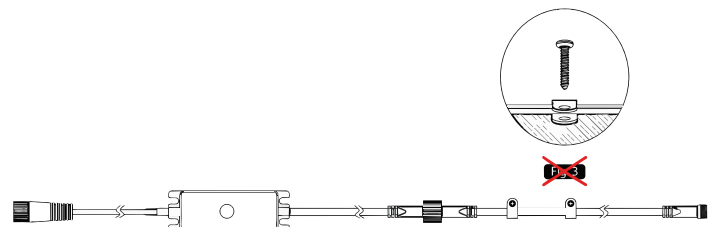
Fig. 3



Step 4 — Route and Secure the Light Strings

1. Route cables and light strings to fit your layout using the **clip**s. For each clip: clean surface, remove adhesive cover, press 20 sec to temporarily hold; drill a pilot hole (*3/32 in.*) and screw in with **3mm screws**. Repeat as needed (*Fig. 4*).

Fig. 4



Pro Tip: Configure lights to the Lightcloud Blue mobile app now, before mounting.

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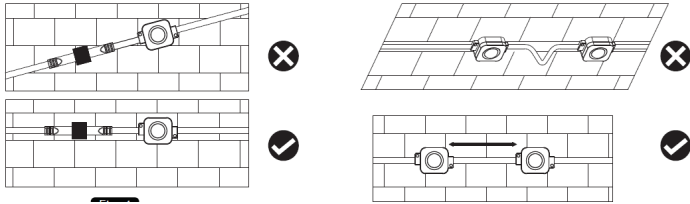
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INSTALLATION (CONT'D)

Step 4 — Route and Secure the Light Strings (cont'd)

- Keep light strips parallel to the roofline, straight, and an equal distance from the house (Fig. 5).

Fig. 5



- Each **light module** has a temporary adhesive backing to confirm placement — press 20 sec (Fig. 6), then remove from the **bracket** once confirmed (Fig. 7).

Fig. 6

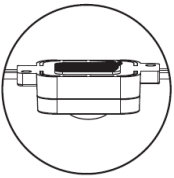
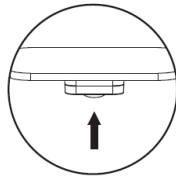
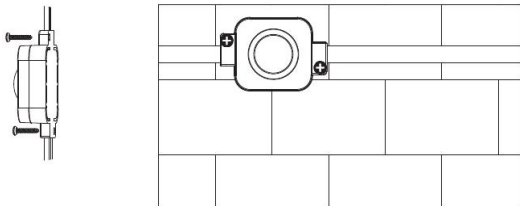


Fig. 7



- Permanently secure each **bracket**: drill a pilot hole (5/64 in. bit) and install with two **2.5mm screws**. Use a low-torque drill setting to prevent stripping. Repeat as needed (Fig. 8).

Fig. 8

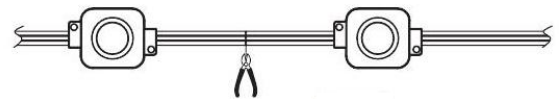


If you need to trim a light string to fit your layout, see **Step 5 — Trim the Light String (Optional)** below, then continue with Step 6. If not, skip to **Step 6 — Install the End Cap**.

Step 5 — Trim the Light String (Optional)

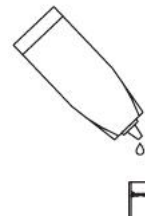
- Determine the trim location. Cut evenly with **wire cutters** so no copper wiring is exposed (Fig. 9).

Fig. 9



- Open the **glue bottle** by unscrewing the cap and piercing the seal with the point on top.
- Insert the bottle into the **end cap** and fill with glue to the horizontal line (Fig. 10).

Fig. 10



- Slide the **end cap** onto the cut end, ensuring no copper wiring is exposed (Fig. 11).

Fig. 11



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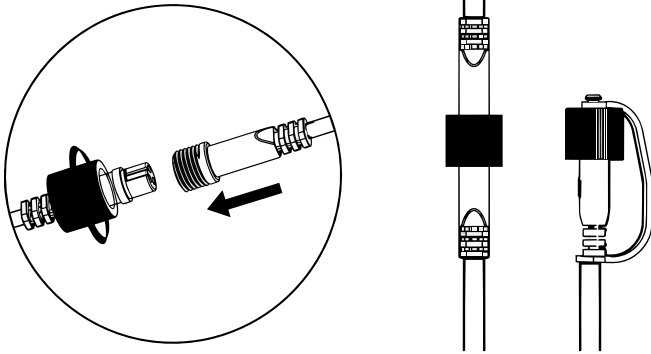
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INSTALLATION (CONT'D)

Step 6 — Install the End Cap

Once the last light string section is installed, screw on the **end cap** to keep out moisture and dirt (*Fig. 12*). Skip if you already trimmed and sealed your light string in Step 5.

Fig. 12



Step 7 — Power On and Test

Turn on the lights by pressing the **power button** on the **controller**, or by toggling the power button in the Lightcloud Blue app. Confirm all lights illuminate. If not, see Troubleshooting.

TROUBLESHOOTING

Make sure all lights illuminate. If lights do not turn on, or partially light up:

1. Confirm the power to the outlet is on.
2. Check that connections are securely fastened.
3. Check to ensure no wires are pinched or pierced.
4. Unplug and plug back in.

Change scenes and adjust brightness from the **controller**. Use the Lightcloud Blue app for enhanced controls, including light shows.

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LIGHTCLOUD BLUE MODELS

LIGHTCLOUD BLUE

Lightcloud Blue is a Bluetooth mesh wireless lighting control system that allows you to control various compatible devices. With RAB's patented Rapid Provisioning technology, devices can be quickly and easily commissioned using the Lightcloud Blue mobile app. Each device in a system can communicate with any other device, eliminating the need for a Gateway or Hub, and maximizing the control system's reach.

ALL FIXTURES MUST BE WIRED TO CONSTANT POWER FOR WIRELESS COMMUNICATION.

CREATE A RELIABLE MESH

Lightcloud Blue devices should be placed within the specified range (~100 ft.) to communicate within the Bluetooth mesh network. Building materials such as brick, concrete and steel construction, or heavy vegetation, bushes, or trees may require additional Lightcloud Blue devices to extend around an obstruction. Contact RAB Lighting for more information.

DOWNLOAD THE MOBILE APP

The Lightcloud Blue mobile app is available for iOS and Android phones and tablets, and is required to commission and configure Lightcloud Blue fixtures and devices.

Note: The mobile device is NOT part of the mesh network and must be within ≤30 ft. of at least one device paired to the Site.



iOS Users



Android Users

GETTING STARTED

1. Confirm your device is powered on.
2. Launch the app and create an account or log in.
3. Tap the "Add Device" icon in the app to start connecting devices.
4. Select the fixture in the app and move it to an Area.
5. You're all set!

RESET TO FACTORY SETTINGS

If your Lightcloud Blue fixture is already paired, you can reset it to factory settings using either of the below methods.

Method 1: Delete from the App

Open the app and access the device settings for the paired device. Be sure the fixture is online (*green status bars are visible*) and select "DELETE FROM SITE."

Method 2: Manual

Locate the **reset button** at the top of the **Controller**, illuminated with the indicator light. Press and hold this button for 10s or until the indicator light begins flashing red. If the Controller is attached to a fixture, the fixture will also flash on/off 3x.

CONFIGURATION

All configuration of Lightcloud Blue products may be performed using the Lightcloud Blue mobile app.



System Overview



Resources

POWER OUTAGE RECOVERY

If there is power loss, the Lightcloud Blue light will turn ON AT LAST DIM LEVEL when power is restored. This behavior can be adjusted to LAST STATE using the mobile app. When using Schedules, be sure to add a **NANO/LCB** (*sold separately*) to maintain accurate timekeeping after a power loss.

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REGULATORY INFORMATION

GENERAL SAFETY PRECAUTIONS

- **READ AND FOLLOW ALL SAFETY INSTRUCTIONS. SAVE THESE INSTRUCTIONS.**
- Do not secure wiring with staples or nails, or place on sharp hooks. Install only using the mounting means provided.
- Do not use this product for other than its intended use.
- Do not close doors or windows on the product or extension cords, as this may damage the wire insulation.
- This product has a **polarized plug** (*one blade is wider than the other*) to reduce the risk of electric shock. It will fit a polarized outlet only one way. If it does not fit fully, reverse the plug; if it still does not fit, contact a qualified electrician. Do not use with an extension cord unless the plug can be fully inserted.

FCC AND REGULATORY COMPLIANCE

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This device has been tested and found to comply with the limits for Class B digital devices pursuant to Part 15, Subpart B, of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential environment. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: reorient or relocate the receiving antenna; increase the separation between the equipment and receiver; connect the equipment into an outlet on a circuit different from that to which the receiver is connected; or consult the dealer or an experienced radio/TV technician for help.

To comply with the FCC's RF exposure limits for general population/uncontrolled exposure, this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

CAUTION: Changes or modifications to this equipment not expressly approved by RAB Lighting may void the user's authority to operate this equipment.

The Permanent Light operates at 24V, 60Hz.

Note: These instructions do not cover all details or variations in equipment, nor do they provide for every possible situation during installation, operation, or maintenance.



Easy Answers

rablighting.com
Visit our website for product info

Tech Help Line
Call our experts: 888-722-1000

e-mail
Answered promptly - sales@rablighting.com

Free Lighting Layouts
Answered online or by request