PRODUCT MANUAL

How-to Guide for Waterproofing Neonizer Channels

Solid Apollo™
Where light meets perfection

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Installation

This guide will show you the Step by Step procedure on how to waterproof your Neonizer LED Strip Channels using Solid Apollo's Waterproofing Compound. **Please Note:** Waterproofing compound may irritate your skin. We strongly advised that you wear proper gloves before installing.

For purpose of simplicity, this guide will use Solid Apollo's **78in N17 Neonizer Waterproof LED Strip Channel**.

Please Note: While the **N17 NeonizerPro, N12 NeonizerPro, N17** and **N12** Neonizer Waterproof LED Strip Channel includes an **Aluminum LED Strip Placeholder**, other Neonizer LED Strip Channels such as the **NF10** and **NF12** will **NOT** include it. If your selected channel does not include an Aluminum LED Strip Placeholder, please skip **Steps 3**, **4**, and **8**.
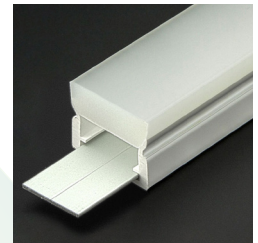
Step 1:

For this example, let's say your project is **78 inches** and you want to use a *78in N17 Neonizer Waterproof LED Strip Channel* along with *3528 Double Row LED Strips*.

Measure the length of your project and determine how much LED strips you will be using according to its cutting increments.

Please Note: Various LED Strips come in different cutting increments. It is very important that you are aware of the cutting increments of the LED strips you are using as it will play a major role in fitting it inside your chosen Neonizer Waterproof LED Channel when the Endcaps are installed. This will be discussed in **Step 2**.

3528 Double Row LED Strips
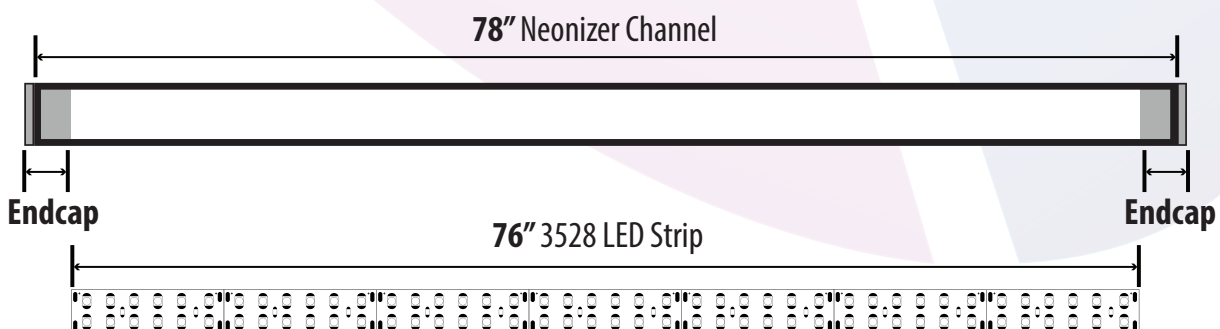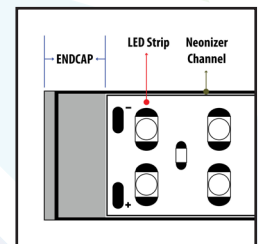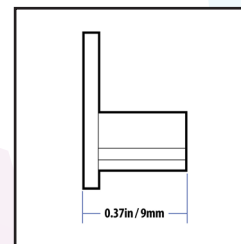
78in N17 Neonizer Waterproof LED Strip Channel

Step 2:

Since you are using the 78in Neonizer LED Strip Channel for your project, it is unlikely that the LED Strip's cutting incements will match up with the channel's 78in length. And even if it does, you do **NOT** want to use the exact **78in** length to cut the 3528 LED Strips.

You want to be **under** 78 inches because when the Endcaps are installed, it uses **0.37 inches (3/8in)** at each end of the Neonizer LED Strip Channel.

0.37in / 9mm

ENDCAP   LED Strip   Neonizer Channel

As mentioned in **Step 1**; various LED Strips in the market have different cutting increments. It may have 2, 4 or 6in cutting increments, whatever the case may be, please remember to account for the Endcaps protrusion and go under your projects' measurement.
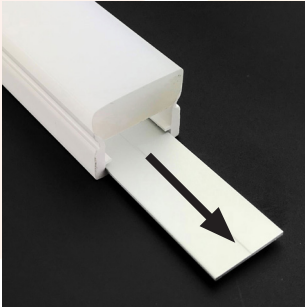
Therefore, for this project the total length you need to cut from the 3528 LED Strips ensuring it to fit perfectly inside the Neonizer channel is **76 inches**, leaving a space of **0.37** inches (**Endcap**) at each end, see illustration below.

78" Neonizer Channel

Endcap

Endcap

76" 3528 LED Strip

PRODUCT MANUAL
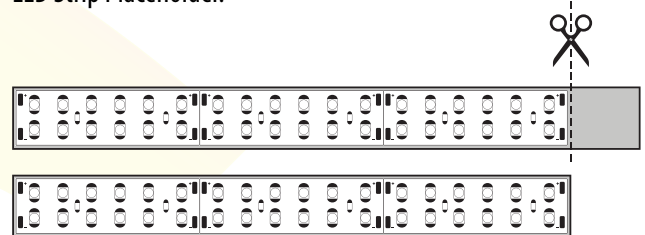
How-to Guide for Waterproofing Neonizer Channels

Step 3:

Once the 3528 LED Strip has been appropriately cut down to size, slide out the **Aluminum LED Strip Placeholder** from the Neonizer LED Strip Channel.

Step 4:

Place the newly cut 3528 LED Strip onto the Aluminum LED Strip Placeholder. **Measure** and **Cut** the Aluminum LED Strip Placeholder according to the newly cut 3528 LED Strip's length.

Then, go ahead and **peel** off the **3M tape** from the back of the 3528 LED Strip and securely place it on the newly cut Aluminum LED Strip Placeholder.

Step 5:

Using Solid Apollo's Waterproofing Compound, **puncture** the **safety seal** at the opening of the tube with a sharp object or the **top of the cap**.

Step 6:

Apply and carefully spread the Waterproofing Compound onto the **edges** of the Neonizer LED Strip Channel.

Please Note: While applying the Waterproofing Compund, **avoid** putting any Waterproofing Compound inside the Channel as the Waterproofing Compound may cover the LEDs and thus slightly changes their output color.

On that same note, it is critical that you **apply the same caution** when Waterproofing the cable wire hole side of the endcap.
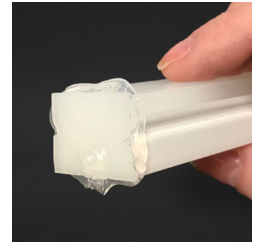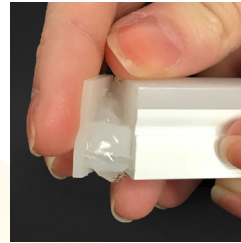
Waterproofing Neonizer LED Channels *(cont'd...)*

Step 7:

Line the Endcap's protrusion onto to the opening of the Neonizer LED Strip Channel and push the Endcap all the way in until it touches the edges of the Neonizer LED Strip Channel. Let the excess Waterproofing Compound cure/dry for 24 hours or at least overnight.

Once it has dried, take a box knife and shave off excess Waterproofing Compound.

Please Note: You can wipe off the excess Waterpoofing Compound, but doing so will leave unwanted residue. For a clean application, we suggest to shave off the excess Waterproofing Compound once it has fully dried.

Step 8:

When you are done waterproofing one end of the channel, carefully **insert** the Aluminum LED Strip Placeholder back into the Neonizer Channel.
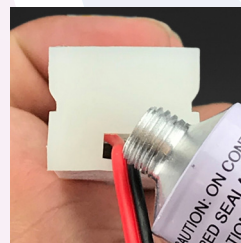

Step 9:

Repeat **Steps 6-8** to waterproof the other end of the Neonizer LED Strip Channel.

If your waterproofing the cable wire hole side of the endcap, as mentioned in **Step 6**; avoid putting any Waterproofing Compound inside the Neonizer Channel as the Waterproofing Compound may change the light output when it covers the LEDs.

Apply thoroughly but make sure you have applied enough waterproofing compound around the cable wire hole but **not** enough that it may cover the LEDs.

If you have any questions, concerns or other inquiries about Waterproofing your Neonizer LED Strip Channels, please don't hesitate to call us at **425.582.7533**. Our highly trained Sales Engineers will be glad to help you.