LED Lighting Kit
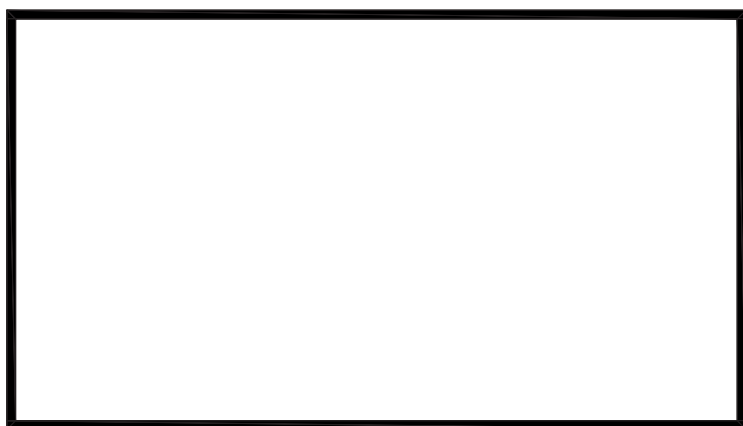## For Elara NanoEdge Fixed Frame

Installation Guide

Attention: Read this guide before assembling your screen.

WARNING - Sharp Edges
This product may contain sharp edges, please handle with care. Protective gloves are recommended.

WARNING - Electrical Hazard
This product contains electrical components. Do not assemble, install, or service this product when there is power connected.
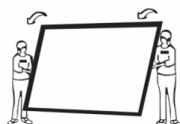
WARNING - Pinch Point
During assembly, keep hands clear between joining parts.

WARNING - Heavy Object
Seek assistance in installing this product if necessary.

WARNING - Do Not Touch
Avoid touching the optical surface or viewable area of the projection screen at all times.

Diagrams in this guide will include a support bar for demonstration purposes. The support bar is included for Nanoedge Fixed Frame sizes 135" and above.
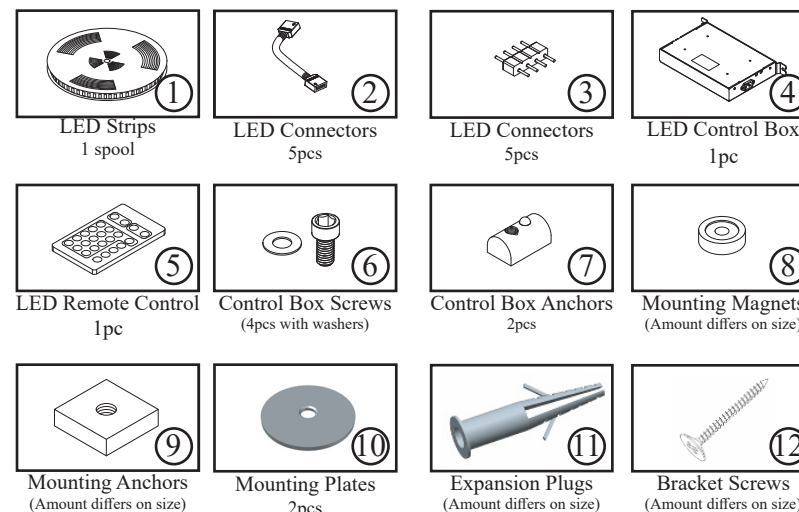
Disclaimer: We (EluneVision) are not responsible for any direct or indirect damage to property or life related to our product.

This guide works in complement with the Elara NanoEdge User Guide. Please read through both instruction manuals before installation. This guide will walk you through installing the LED lighting kit, LED control box, and lower mounting brackets. Please make sure the LED kit purchased matches the dimensions of your screen. The LED strips are incompatible with the incorrect screen sizes. The lower mounting bracket must be **installed before assembling the screen**. The LED lighting kit can be installed when the screen is fully assembled.
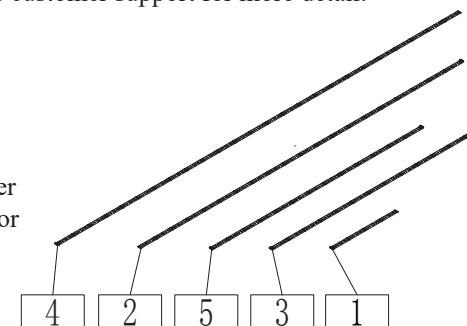
Parts Included

The following items will be included in the Accessories Box:

① LED Strips 1 spool	② LED Connectors 5pcs	③ LED Connectors 5pcs	④ LED Control Box 1pc
⑤ LED Remote Control 1pc	⑥ Control Box Screws (4pcs with washers)	⑦ Control Box Anchors 2pcs	⑧ Mounting Magnets (Amount differs on size)
⑨ Mounting Anchors (Amount differs on size)	⑩ Mounting Plates 2pcs	⑪ Expansion Plugs (Amount differs on size)	⑫ Bracket Screws (Amount differs on size)

The LED is controlled via RF remote. The IR control kit is optional, please contact your dealer or customer support for more detail.

Inside the spool of LEDs, there are 5 LED strips in total. The LED strips are labeled at the back. Please refer to the diagram on the right for the strip lengths.
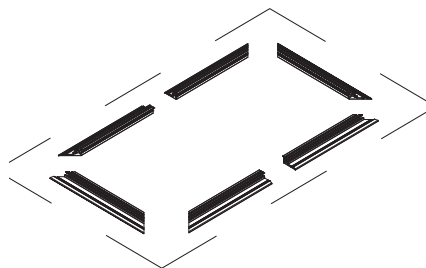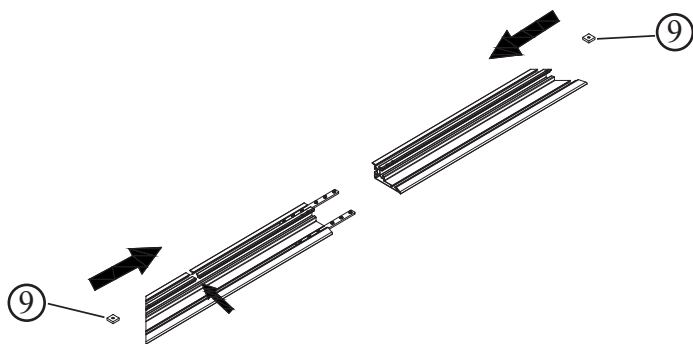
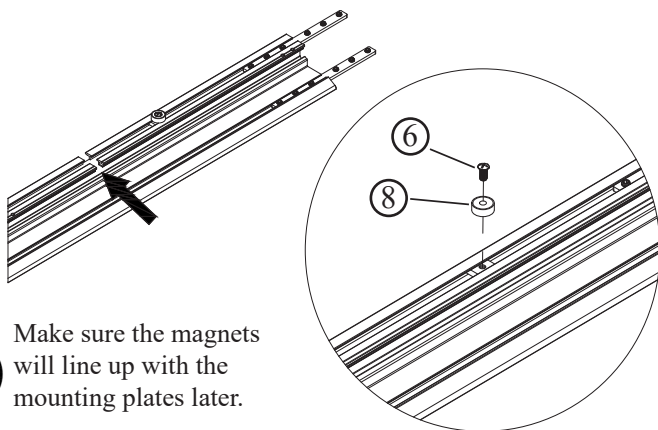4   2   5   3   1

Lower Mounting Bracket

⚠ This step needs to be completed before assembling the screen as shown on the right.

1a. Slide the two mounting anchors (9) into the top groove from the two ends of the frame. The anchors must be installed on the bottom frame. Please note the single small arrow which indicates the groove shown below.

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⑨

1b. Position the mounting anchor 8" from the edge of the screen. Secure with the control box screws (6) and the mounting magnets (8). Repeat with the other bottom frame piece.
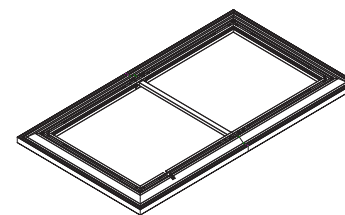
⑥
⑧

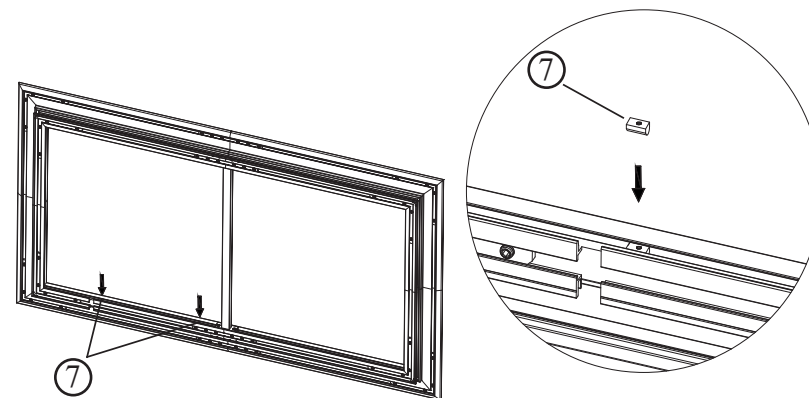⚠ Make sure the magnets will line up with the mounting plates later.
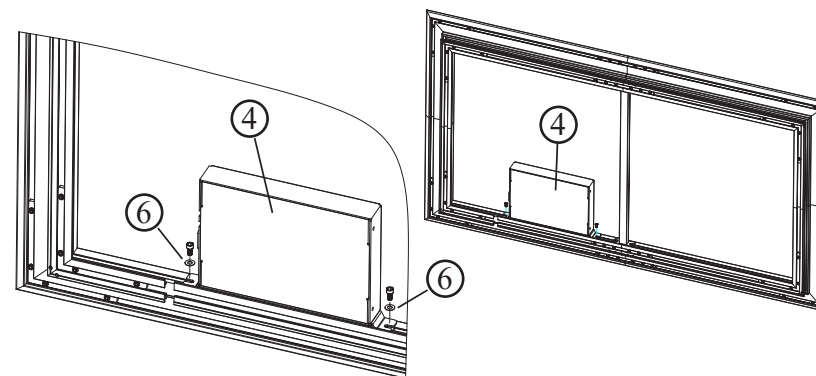
3

LED Control Box

⚠ For steps 2-5, it is recommended to proceed after the screen has been fully assembled, as shown on the left.

2a. Push and insert both control box anchors (7) into the groove facing into the frame. Place the anchors to the right of the groove as indicated by the arrows below.
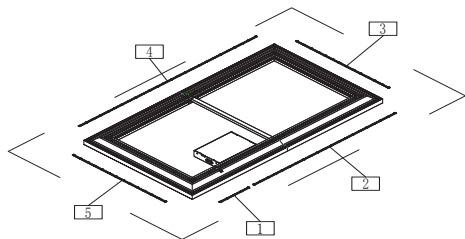
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2b. Insert the control box screws and mount the LED Control Box (4) as shown below. Mount the box as far away from the screen material as possible, align the screws and tighten them.
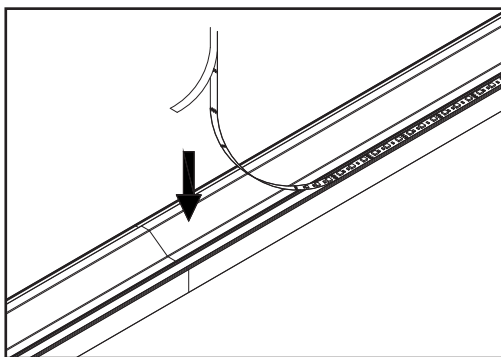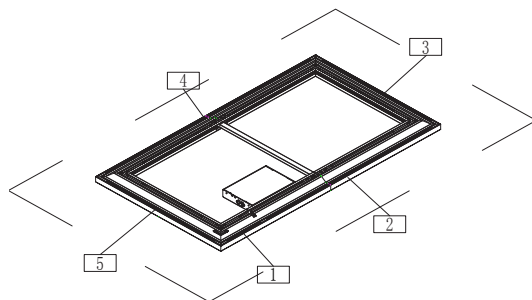
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⑥

4

Magnet Anchors

3a. Lay the LED strips around the frame as seen below. LED strips #3 and #5 need to be applied to the vertical frames. LED strips #1 and #3 need to be placed on the bottom frame.

3b. Peel off the adhesive tape at the back of the LED strips and apply them to their corresponding positions. Apply the LED into the groove at the outer edge of the frame. Leave 1 1/2" of space at the corners for the connectors.
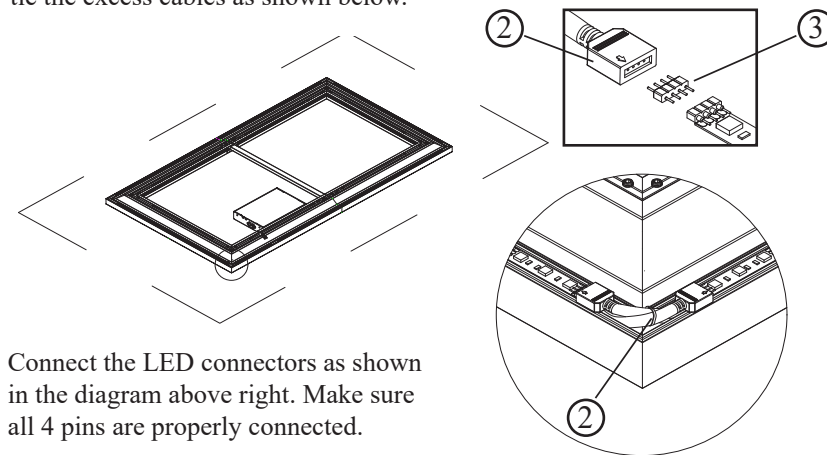

3c. When all the LED strips are in place, the frame should be as shown below. Make sure all of the LED strips are securely in place.
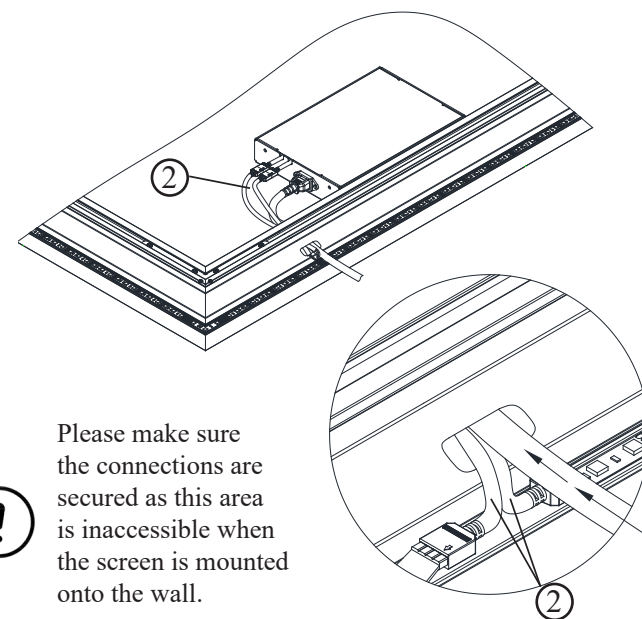
3d. Connect the LED strips at the four corners using LED connectors. Cable tie the excess cables as shown below.

Connect the LED connectors as shown in the diagram above right. Make sure all 4 pins are properly connected.

3e. Feed the power cord up through the holes in the frame and plug into the control box. Connect two LED connectors to the two ends of the LED strip as seen below. Feed the LED connecting cable upwards through the holes in the frame towards the LED control box.
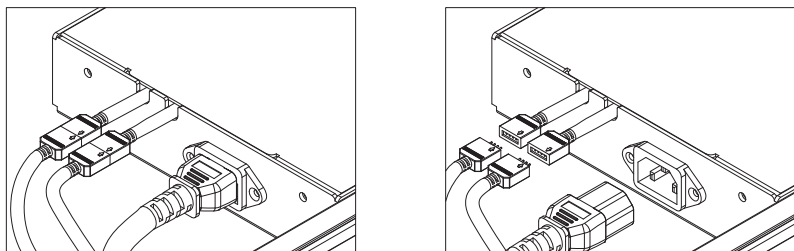

Please make sure the connections are secured as this area is inaccessible when the screen is mounted onto the wall.
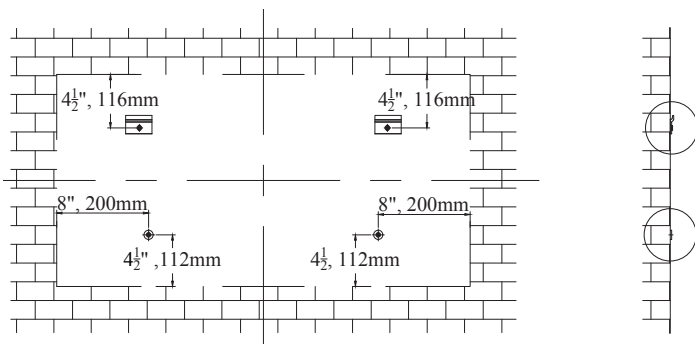
Feed power cable through hole in frame

3f. Connect the LED connector cable to the LED Control Box. Make sure the connector is in the right orientation. There will be two arrows pointing towards each other.

(!) Plug in and test the LED strips before mounting the screen. If the LEDs do not light up, check connections and make sure all connections are secured. If the connections are secured and the LEDs still do not light up, flip the cables connected to the control box 180 degrees.
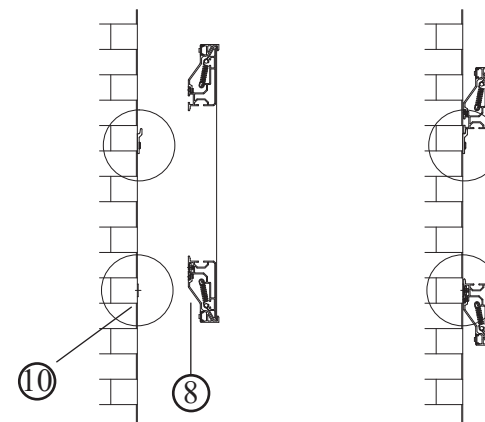
Hanging Brackets

4. See diagram below for mounting wall brackets. The top brackets (Hanging Brackets) are included inside the screen packaging. The Mounting Plates (10) need to work with Mounting Magnets which were previously attached to the screen - make sure they are at the same height and distance apart.

$4\frac{1}{2}$", 116mm $4\frac{1}{2}$", 116mm

8", 200mm   8", 200mm

$4\frac{1}{2}$" ,112mm $4\frac{1}{2}$, 112mm

Draw a center line for your screen in the desired location. Mount the Hanging Bracket centered to your screen and 4 1/2" (116 mm) from the top of the screen. Next, mount two pairs of Mounting Plates 4 1/2" (116mm) from the bottom and 8" from the sides as shown above.
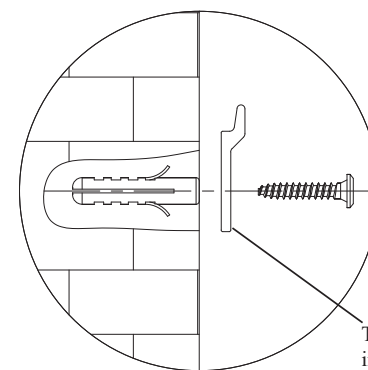
5a. The screen is now ready to be mounted onto the wall. The upper frame of the screen needs to be lowered onto the Hanging Bracket while the lower frame is held by Mounting Magnets and Mounting plates, as shown below.

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5b. Please make sure the wall you are mounting your screen to is able to support the weight of the screen. We recommend using your own hardware for the installation. If using the hardware supplied, (Wall Screws and Expansion Plug) ensure that it is compatible with the wall.
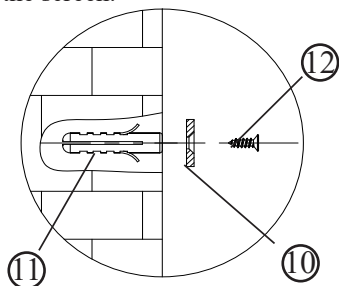
The Hanging Bracket is designed to bear the weight of your entire screen, make sure the bracket is sturdy before mounting the screen.
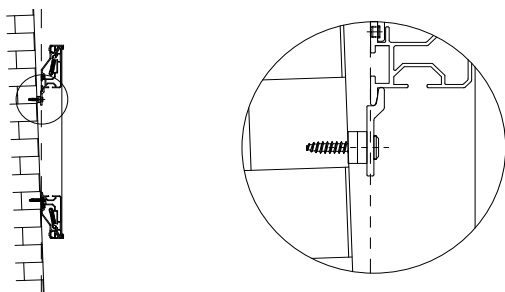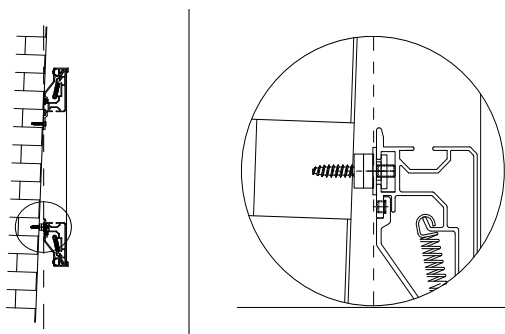

Top brackets and hardware included in screen packaging

5c. The Mounting Plates are designed to hold the screen flush against the wall with the use of magnets on the screen. Move the Mounting Magnets on the back of the frame to a location coordinated to the Mounting Plates on the wall before hanging the screen.

5d. If your wall is not flat, you need to adjust the height of the Mounting Bracket or the Mounting Plates, as shown below.

As illustrated above and below, use the provided washers underneath the Mounting Brackets or Mounting Plates to make the screen sit upright even when the wall is not completely flat.

1. *My screen's LED lighting does not light up, or partially lights up.*

Solution: Check your connections as the LED strips can be easily disconnected when hanging your screen. Thus, it is recommended to use insulating tape to wrap around the connecting areas without blocking the LED bulb. This way the connection will be secured. If 2 sides of your LED strips do not light up at all or it lights up in a dim red color, you need to flip the connectors in step 8a. The diagram on the left shows the two LED connectors. Flip the connector 180 degrees of the LED strip does not light up properly and connect to the LED control box.

2. *I am putting the screen's power plug behind the screen, but the plug created a bulge on the screen.*

Solution: It is recommended to use a recessed power outlet plate behind the screen to give you more clearance. If you need a different kind of power cable, consider purchasing another C13/C14 computer power plug for your application. If you have excess cables behind your screen causing it to bulge up, consider tying the cable and secure them to the frame.

Attention: Read this guide before assembling your screen.