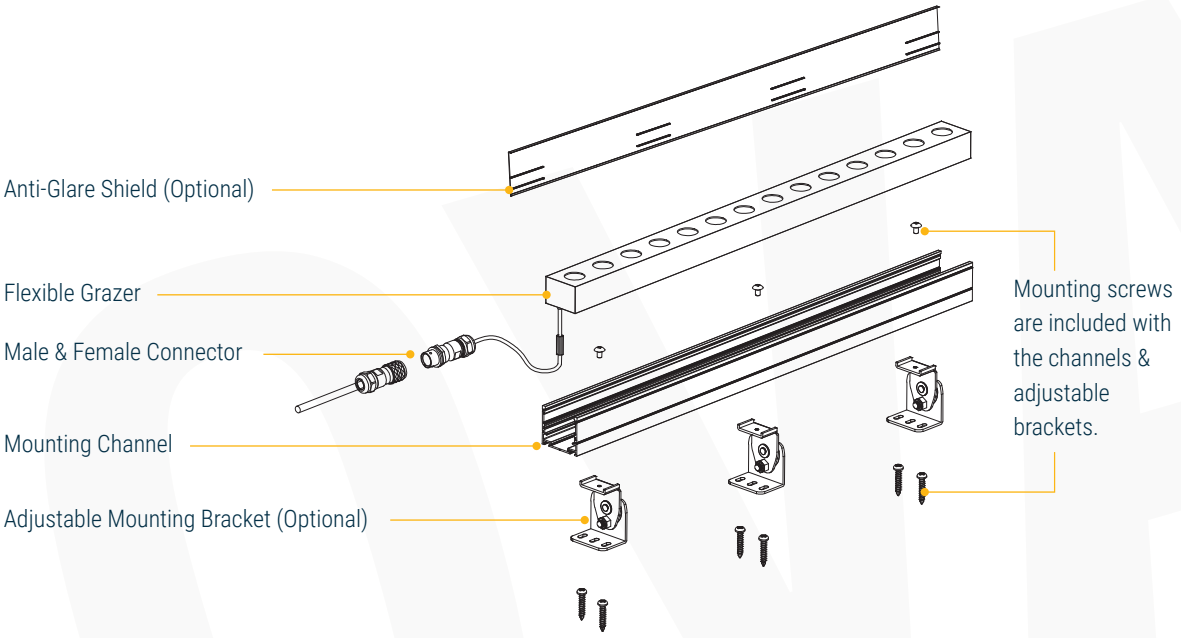
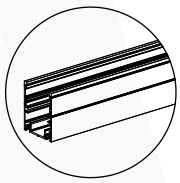
Flexible Grazer | Installation Guide

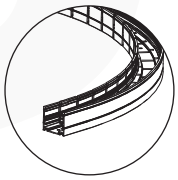
NOVA FLEX



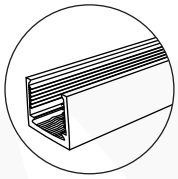
OPTIONAL CHANNELS



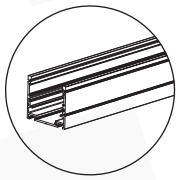
TALL
Rigid Serrated
Aluminum Channel
CH-GZF-SR-ALU TALL-2M
(also offered in 50mm clips)



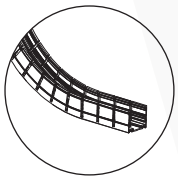
SIDE BEND
Bendable Serrated
Aluminum Channel
CH-GZF-BEND-SB-ALU-1M
Serrated on one side



Bendable Silicone
Profile
Can bend top and/or side
CH-GZF-BEND-SIL-1M(WT or BK)
(also offered in 200mm and 500mm lengths)



SHORT
Rigid Serrated
Aluminum Channel
CH-GZF-SR-ALU SHORT-2M
(also offered in 50mm clips)

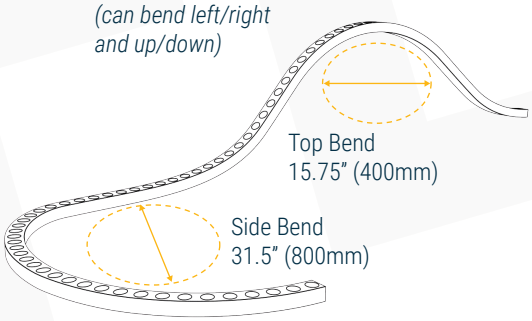


TOP BEND
Bendable Serrated
Aluminum Channel
CH-GZF-BEND-TB-ALU-1M
Serrated on both sides

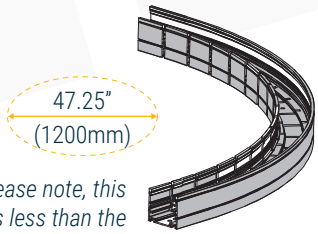
Minimum Bend Diameters

⚠ Please do NOT exceed

FLEXIBLE GRAZER
(can bend left/right and up/down)

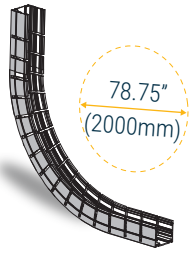


SIDE BEND
ALUMINUM CHANNEL
(can bend left/right)



Please note, this is less than the flexible grazer

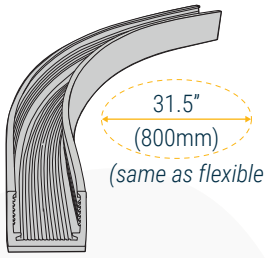
TOP BEND
ALUMINUM CHANNEL
(can bend up/down)



Please note, this is less than the flexible grazer

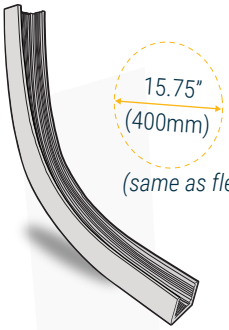
SILICONE CHANNEL *(can bend left/right and up/down)*

Side Bend



(same as flexible grazer)

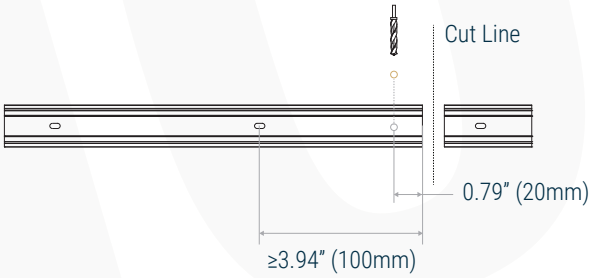
Top Bend



(same as flexible grazer)

Channel Cutting

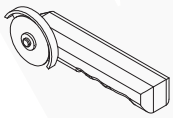
The aluminum channel can be cut according to your needs (the silicone channels cannot be cut).



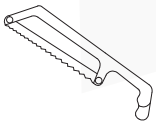
If end of cut section is more than 3.94" (100mm) away from pre-drilled hole, drill a new Ø5mm hole 0.79" (20mm) from the end for fastening/mounting.

Please note, there are soft white silicone inserts on the inside edges of the bendable aluminum channels which help grip the fixture. They are longer than the bendable channels, because more length is needed when they're bent/curved. Once the profile is bent to the desired shape, then cut, the excess insert material can be trimmed off. If this insert becomes dislodged after cutting, simply return it to the slot on the inside edge of the channel. A drop of glue can be used to secure it if needed.

Recommended Cutting Tools

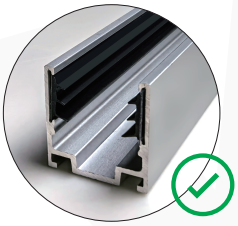


Electric Saw



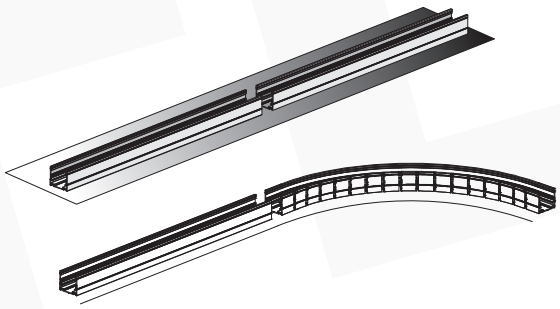
Hand Saw

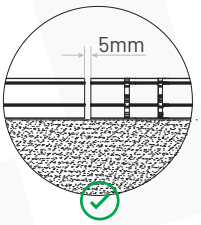




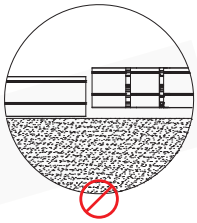
Ensure there are no burrs after cutting (to prevent scratches to the lights during or after installation, which could cause water damage).

CHANNEL JOINTING

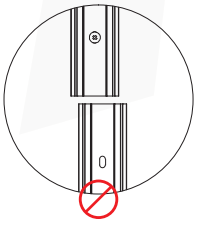




Leave 5mm space between profiles for outdoor installations.



NO VERTICAL misalignment for indoor/outdoor installations.



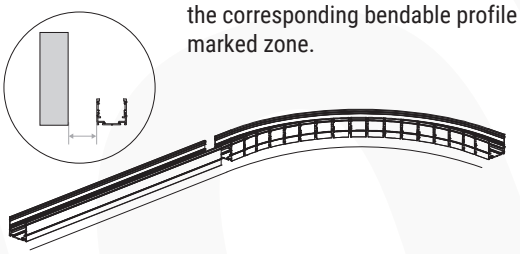
NO HORIZONTAL misalignment for indoor/outdoor installations.

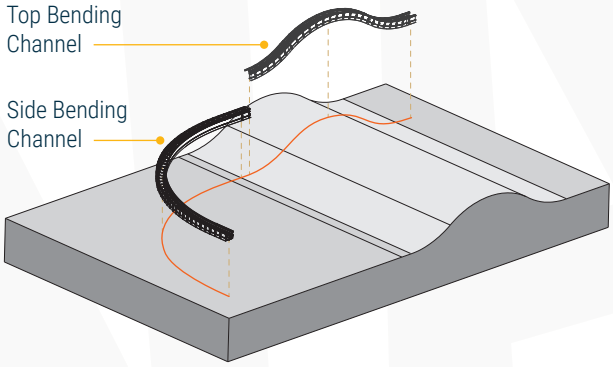
The misalignments shown above will cause the light to bend improperly and may lead to wrinkles or fractures in the PCB.

CHANNEL INSTALLATION

STEP 1

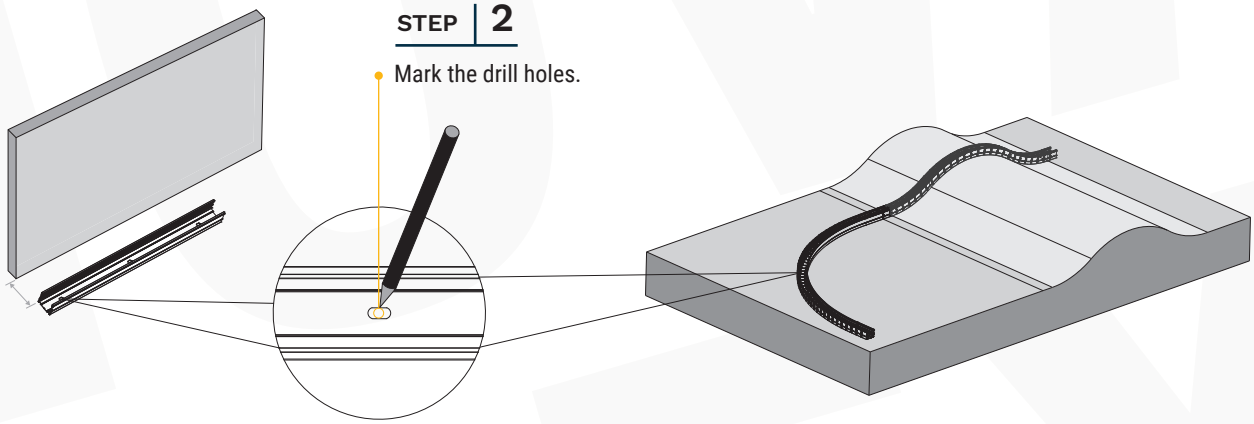
If curved shapes are needed, before cutting, mark the outline of the installation and put the corresponding bendable profile on the marked zone.





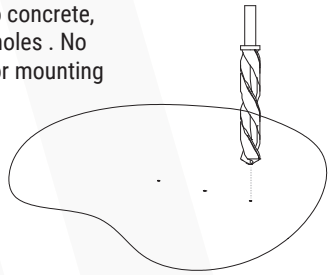
STEP 2

Mark the drill holes.



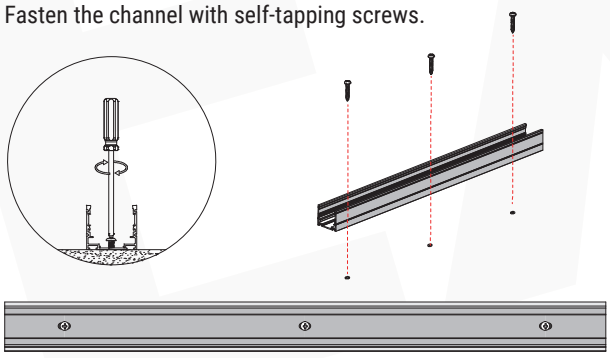
STEP 3

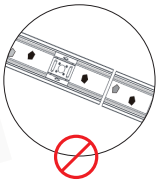
For mounting into concrete, first drill 3.2mm holes . No need to predrill for mounting into wood.



STEP 4

Fasten the channel with self-tapping screws.





Ensure no debris is inside the channel before installation to prevent the Flexible Grazer housing from being punctured, which could cause water damage.

Optional Accessories

ANTI-GLARE SHIELD

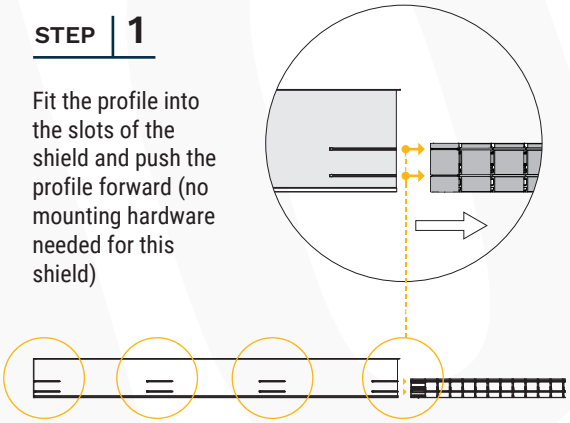
ANTI-GLARE SHIELD IS COMPATIBLE WITH:

Rigid Serrated Aluminum Channels, Short & Tall
Bendable Aluminum Channel (Side Bend only)

Not compatible with the bendable aluminum top bend channel or the silicone channels

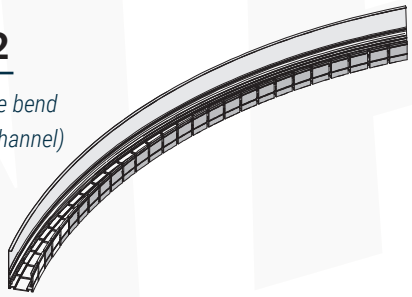
STEP 1

Fit the profile into the slots of the shield and push the profile forward (no mounting hardware needed for this shield)



STEP 2

(if using side bend aluminum channel)



If the anti-glare shield is being used with the side bend aluminum channel, the glare-shield must be installed first, prior to bending. Reminder that the minimum bend diameter of this channel is 47.24" (1200mm)

ADJUSTABLE MOUNTING BRACKET

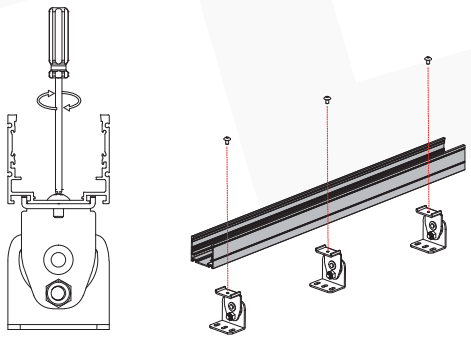
ADJUSTABLE MOUNTING BRACKET IS COMPATIBLE WITH:

Rigid Serrated Aluminum Channels, Short & Tall
Bendable Aluminum Channels (Side and Top Bend)

Not compatible with the silicone channels

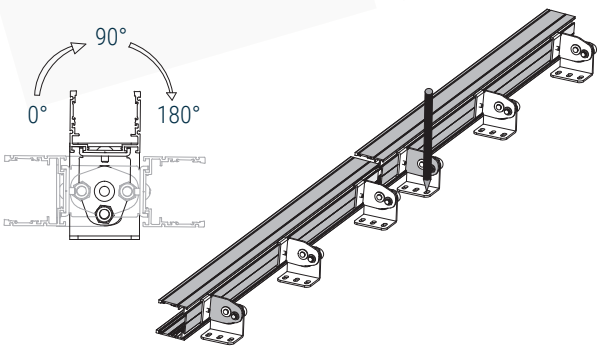
STEP 1

Use screws to fasten the bracket(s) to the pre-drilled holes in the profile or clips. 2-3 brackets are recommended for every 39.37" (1M) of profile



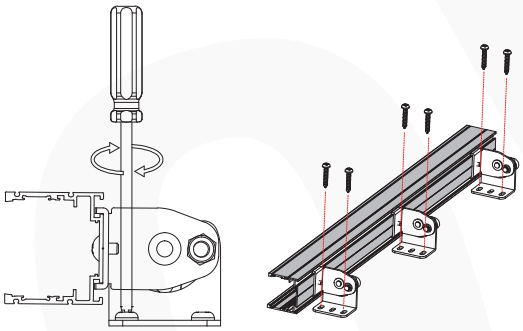
STEP 2

Rotate the profile to one side and mark out the holes on the mounting surface.



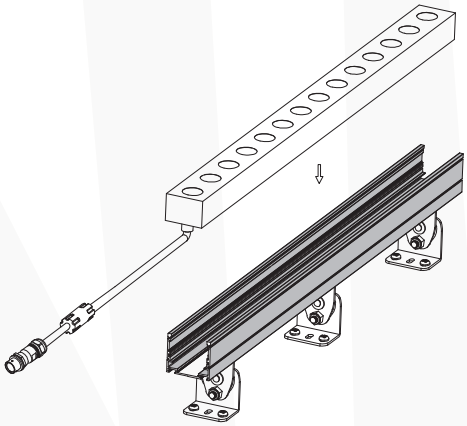
STEP | 3

Fasten the bracket to the mounting surface with self-tapping screws.



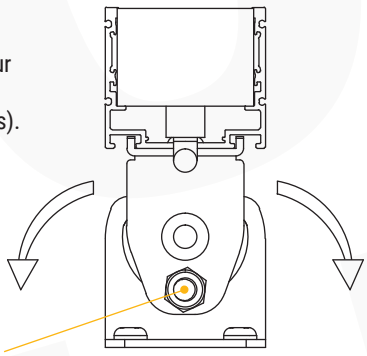
STEP | 4

Rotate the profile upward and install the flexible grazer (reference the Flexible Grazer Installation section).



STEP | 5

Turn on the light and adjust the profile to your preferred lighting angle (can rotate 180-degrees).



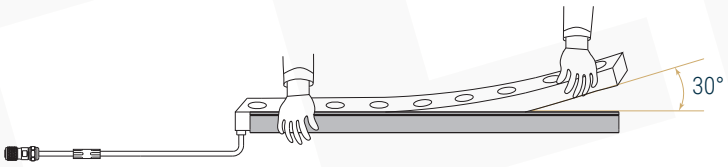
Secure position using a T25 hex wrench or relevant-sized Allen wrench.

NOTE:

The adjustable mounting bracket can be equipped with the bendable aluminum channels, but the rotation angle will be limited.



Flexible Grazer Installation



Make sure the angle between the light and channel is not greater than 30°, to avoid PCB damage.

RIGID ALUMINUM SHORT CHANNEL, AND BENDABLE ALUMINUM CHANNELS

These channels don't have a cavity for the lead-wire. To safely manage the lead-wire, the bottom of these channels can be notched on the end/edge where the lead-wire will be (e.g., with a drill-bit; see Fig. 1); this will allow space for the lead-wire without interference—in this case, the flexible grazer fixture can run to the end of the channel. If the channel isn't notched, then this fixture must extend 20mm beyond the edge of the channel, to allow proper clearance for the lead-wire (see Fig. 2a and Fig. 3).

Reminder, please do NOT exceed the minimum bend diameters of the bendable aluminum channels (1200mm for side-bend, 2000mm for top-bend.

Please leave a 20mm straight on the lead wire before bending (see Fig. 2b). Extreme tension on the lead-wire can cause breakage at the solder points.

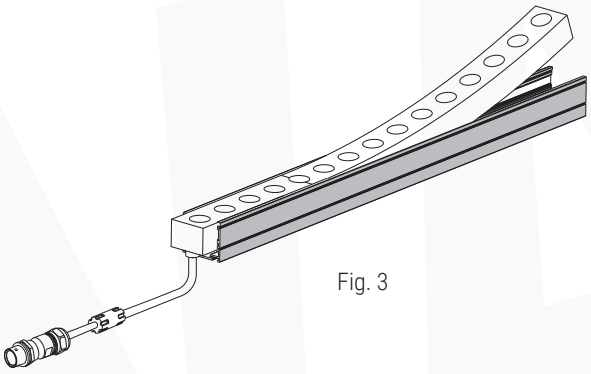


Fig. 3

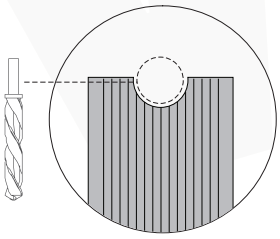


Fig. 1

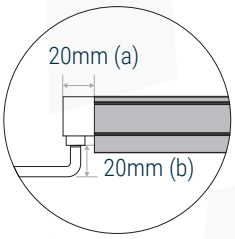


Fig. 2

BENDABLE SILICONE CHANNEL

Please note, these channels cannot be cut at Nova Flex or in the field.

These channels don't have a cavity for the lead-wire. To safely manage the lead-wire, the fixture must extend 20mm beyond the edge of the channel, to allow proper clearance for the lead-wire (see Fig. 2a and Fig. 3).

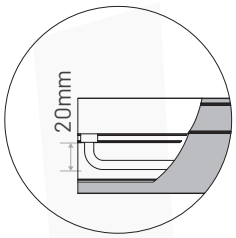
Not to be used for applications requiring the channel and fixture to be mounted upside down.

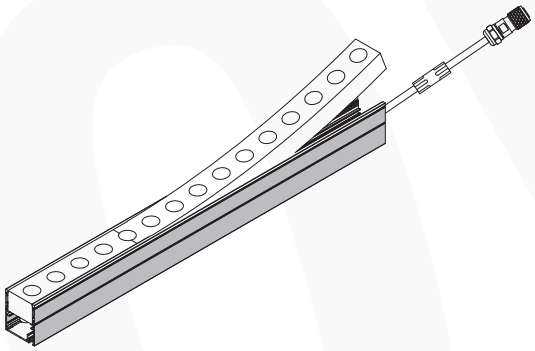
Reminder, please do NOT exceed the minimum bend diameters of these channels (15.75" (400mm) if bent up or down, 31.5" (800mm) if bent left or right.

Please leave a 20mm straight on the lead wire before bending (see Fig. 2b). Extreme tension on the lead-wire can cause breakage at the solder points.

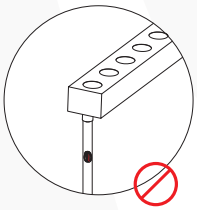
RIGID ALUMINUM TALL CHANNEL

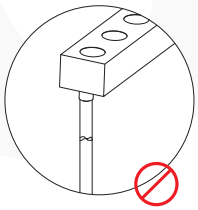
This channel has a cavity for running the lead-wire, thus the flexible grazer fixture can/should be the same length as the channel. If the wire won't be fed out the end, remember to cut a hole into the bottom of the channel, in your desired location, large enough to feed the wire, anti-wicking ferrule and connectors.





Per the diagram above, please leave a 20mm straight on the lead wire before bending. Extreme tension on the lead-wire can cause breakage at the solder points.





Make sure there are no scratches on the cable sheath; these can allow moisture to enter and cause water damage.