

Lite Wave Technical Instructions

Models 4559, 5531, 5532, 5533, 5534, 5556,
5557

April 2022



Lite Wave | Glazing with Silhouette Vision Sensation® Lenses

Silhouette now offers premium prescription lenses for all Silhouette frames.

Expertly crafted in Austria using our exclusive Panorama® lens designs, Silhouette Vision Sensation® lenses perfectly match the curve of every Silhouette frame.

This results in a 100% Silhouette solution that offers the wearer exceptional visual comfort and edge to edge clarity.

For more information visit:

<https://www.silhouette.com/us/us/vision-sensation>

or contact your Silhouette Account Executive



Lite Wave | Glazing

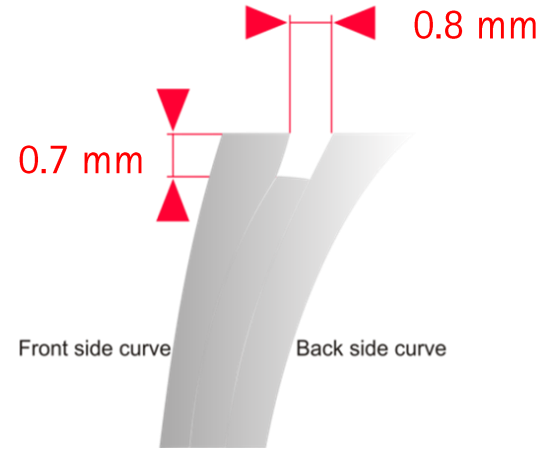
Frame is designed with a 5.0 base curve.

Other base curves will work and should have groove profile to match 5.0 base curve to maintain frame curve.

Recommended lenses are High Index 1.6, 1.67, Polycarbonate and Trivex.

OMA shape files available at
<https://portal.silhouette.com>
www.silhouettelab.com

FULLRIM GROOVED GLAZING



Groove should match 5.0 base curve
on flatter lenses!

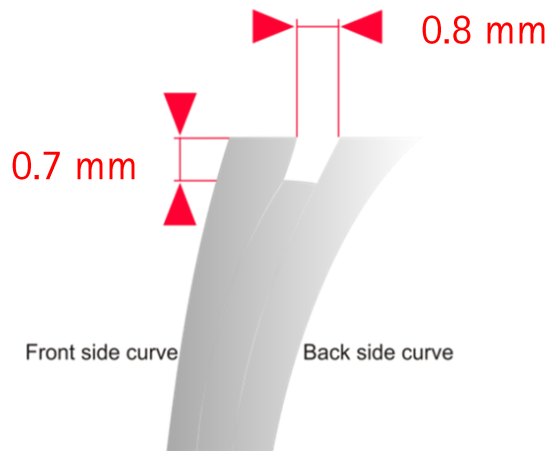
Lite Wave | Glazing

Recommendations:

Minimum lens edge thickness 2.2 mm

If the base curve is flatter than 5.0, the lens “A” size must be ground 0.1 mm - 0.2 mm smaller for better lens fit and to ensure the endpiece closure functions correctly

FULLRIM GROOVED GLAZING



Groove should match 5.0 base curve on flatter lenses!

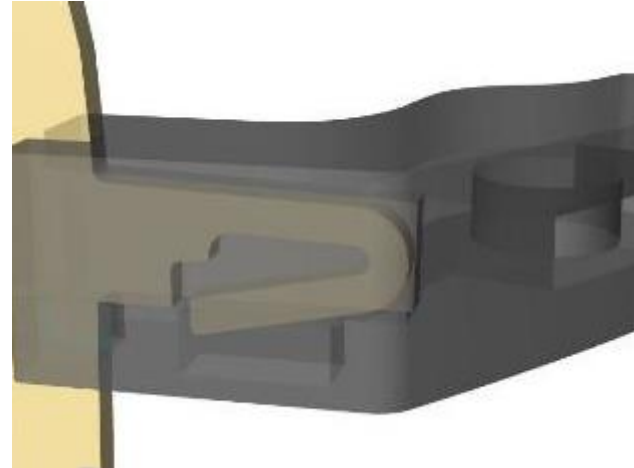
New Lens Mount | Lite Wave

The new snap lock lens mounting utilizes a unique locking mechanism inside the endpiece block to create excellent lens hold without the use of screws.

Never grasp the endpiece with pliers!

Do not heat the endpiece!

Do not bend endpiece to change inclination angle!



Lite Wave | Demounting Tool AC 542

Lite Wave endpiece removal is accomplished using demounting tool AC 542.

Attempts to remove endpiece using other methods could damage the endpiece and should not be attempted.



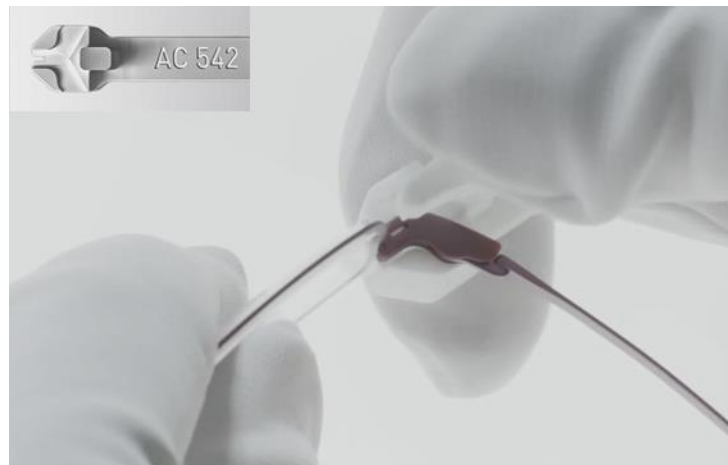
Lite Wave | Demounting Tool AC 542

Lite Wave endpiece removal with AC 542 is shown at right.

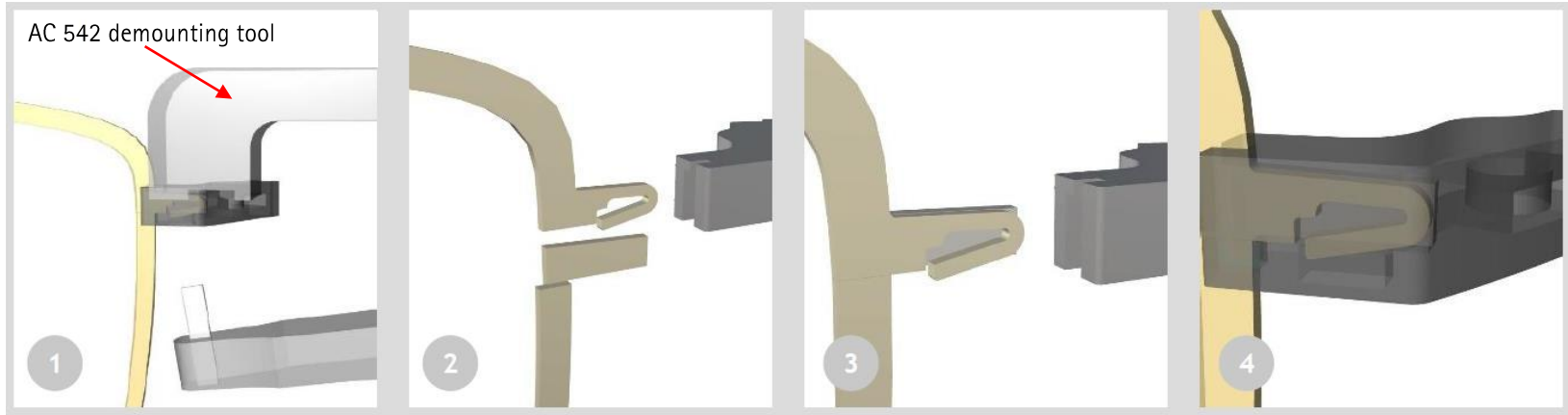
The tab on AC 542 fits in the slot on bottom of endpiece.

Squeezing the tool will unlock the endpiece.

While squeezing, the endpiece can be removed.



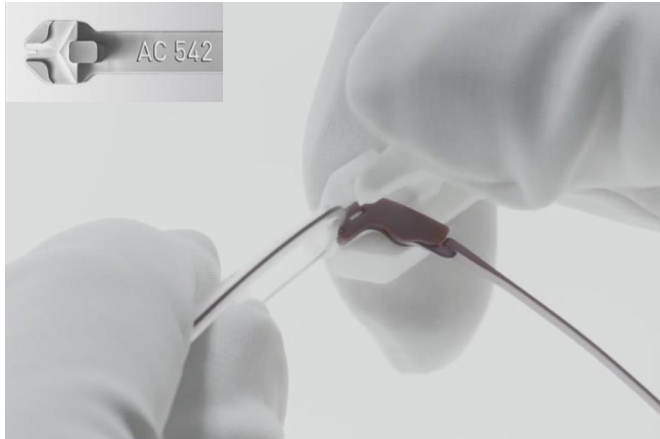
New Lens Mount | Lite Wave



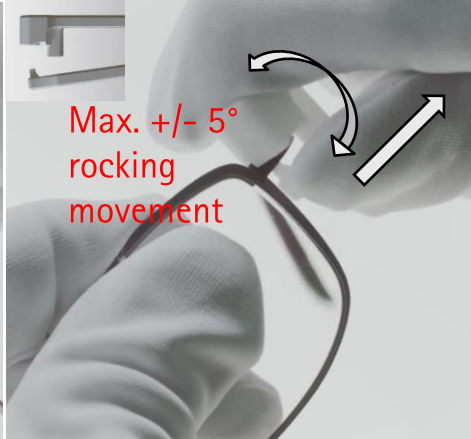
1. AC 542 demounting tool is used to release the endpiece from the frame.
2. Once endpiece is released, lens can be removed or inserted.

3. Once lens is installed, align tabs with split locking tab in front of solid tab.
4. Press endpiece over tabs until it snaps into place.

Lens Removal | Lite Wave



Place AC542 on endpiece and align tab of tool with slot on bottom of endpiece.



Squeeze tab into slot and gently rock endpiece while pulling to release from frame front.



Gently pull the snap lock apart and remove lens.

Lens Mounting | Lite Wave

Lenses must be cut to the correct size and there should be no gap at eyewire closure as shown by red arrow.

If there is a gap, the lens must be resized.

Lenses that are too large will stress the endpiece block and also interfere with correct locking of the snap lock.



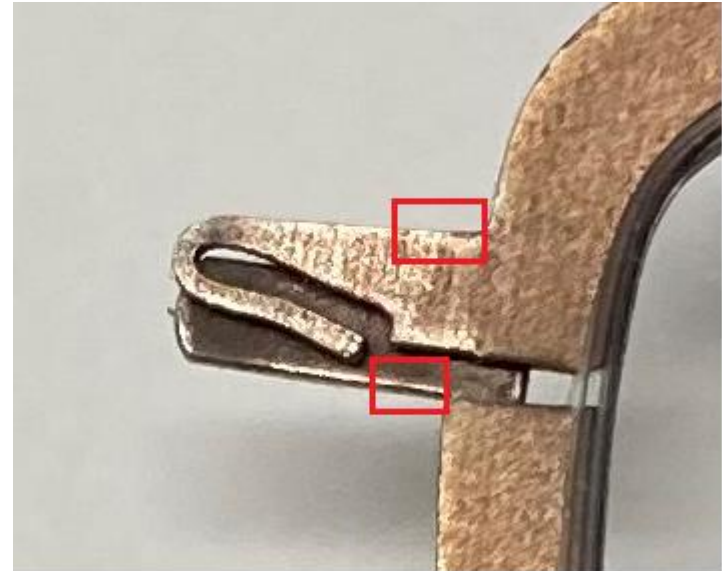
View of snap lock from front of frame

Lens Mounting | Lite Wave

When sizing lenses for Lite Wave, it is recommended that needle nose pliers are used to close the eyewire to check lens fit. This will avoid compressing the snap lock mechanism.

Pressure with needle nose pliers should only be used on the areas inside the red boxes.

Wider pliers will compress the snap lock mechanism.



Lens Mounting | Fullrim Groove Glazing Silicone Ring

Lite Wave frames require the use of Silhouette silicone ring MH3

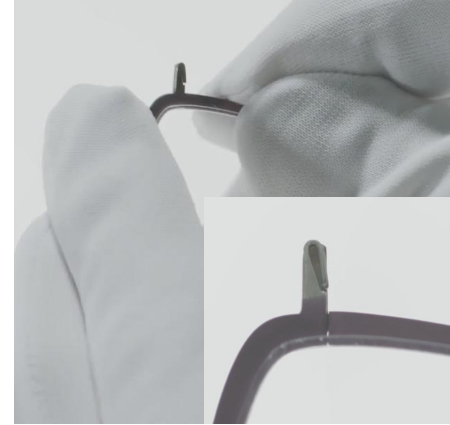
Once lenses are cut and grooved to specification, place silicone ring into lens groove before glazing lens into the frame

Use of silicone ring will ensure proper lens fit within the Lite Wave frame



Lens Mounting | Lite Wave

Once correct lens size is confirmed, insert lens into frame front from behind.



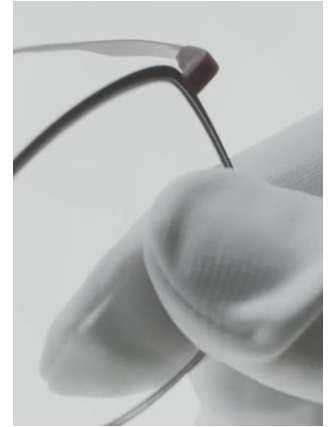
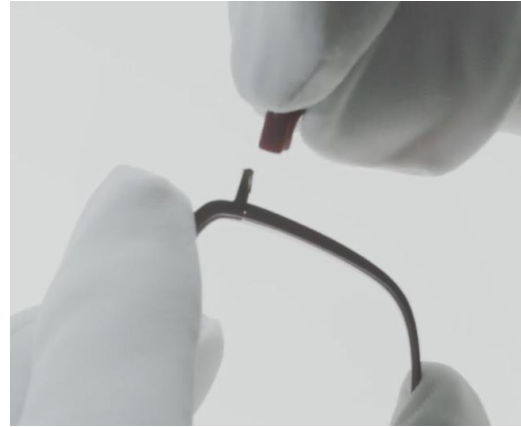
The snap lock tab on the upper eyewire is correctly positioned when in front of the tab connected to the lower eyewire.



Lens Mounting | Lite Wave

When eye wire is fully closed, place endpiece over tabs and press fully on to eye wire.

If the endpiece is not fully pressed on to the tabs, the temple could fall off.



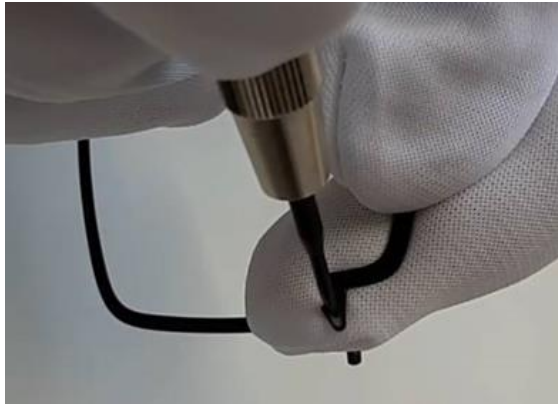
If the locking mechanism will not engage, check the snap lock on the frame front to ensure it has not been over compressed

Lens Mounting | Lite Wave

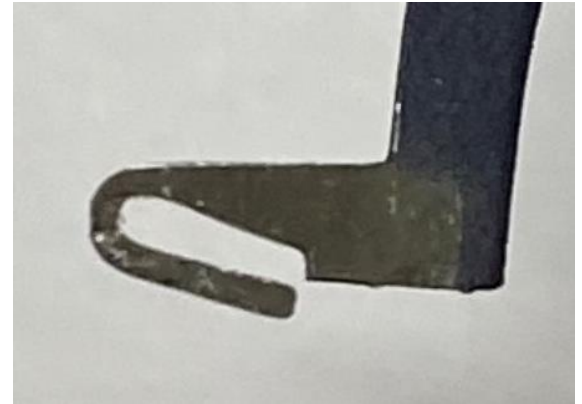
If the snap lock on the frame front has been over compressed, it can be gently bent back to its original position using a flat head screwdriver. Care should be exercised to not bend too far. The frame can also be placed on a bench to open the snap lock versus resting on the finger.



Over-compressed snap lock

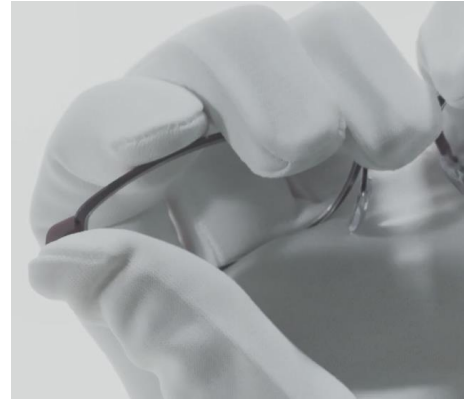
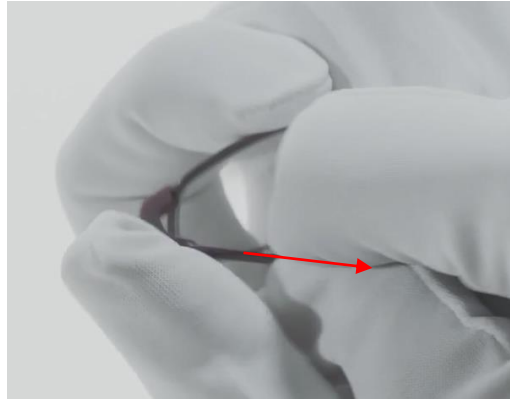
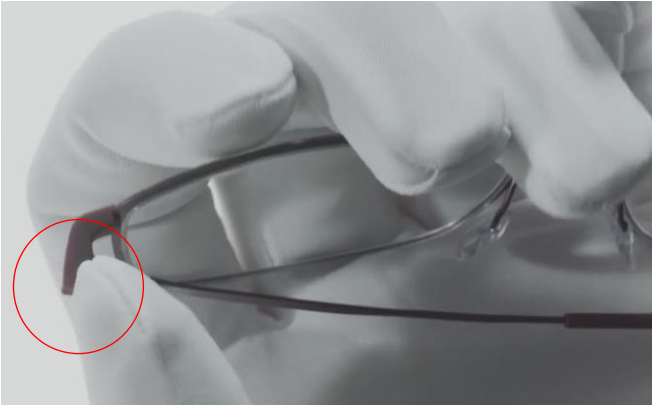


Carefully adjust with screwdriver to open snap lock



Corrected snap lock

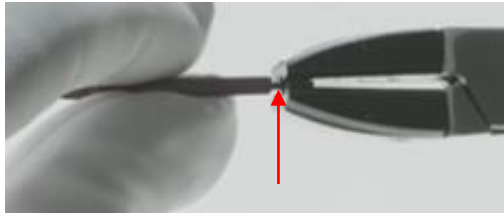
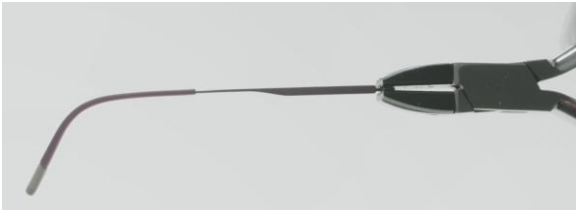
Temple Exchange | Lite Wave



1. Close the temple as shown and support the upper part of the endpiece with thumb (circled).
2. Pull temple out of endpiece in direction shown by red arrow.
3. Reverse procedure to install.

Inclination | Lite Wave

Inclination of Lite Wave should not be attempted while the temple is mounted to the frame as this places excessive strain on the endpiece. The temples must be removed to adjust temple inclination!



1. Remove the temple from endpiece.
2. Hold the hinge loop firmly with padded plier and incline to the required position.
3. Bending should occur at the position of the red arrow.
4. Replace temple and verify inclination angle.
5. Repeat if necessary.

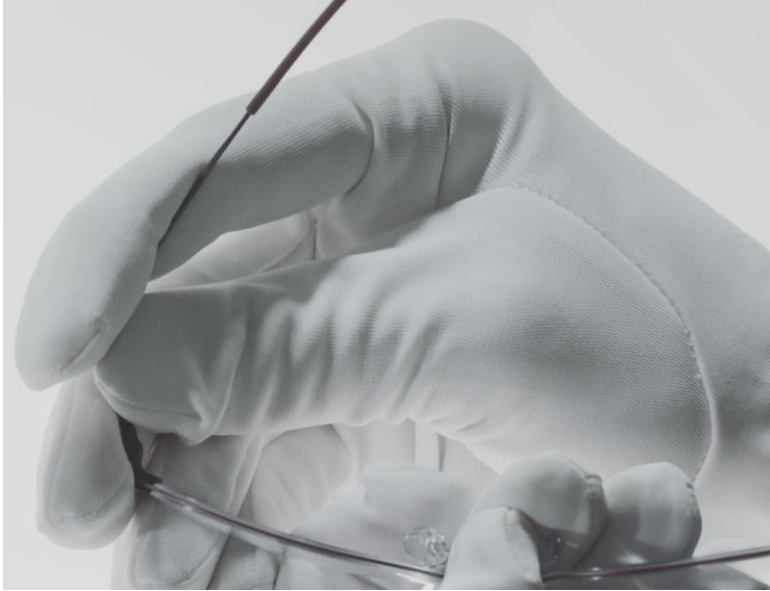
Enlarge Temple Opening | Lite Wave



Support the frame and use fingers to enlarge temple opening as shown.

Do not bend the endpiece for temple opening!

Reduce Temple Opening | Lite Wave



Support the frame and use fingers reduce the temple opening as shown.

Do not bend the endpiece for temple closing!

Temple Bend | Lite Wave

1. Adjust the temple to the ear shape with large curves.
2. During temple end adjustment do not put pressure on the temple tip.

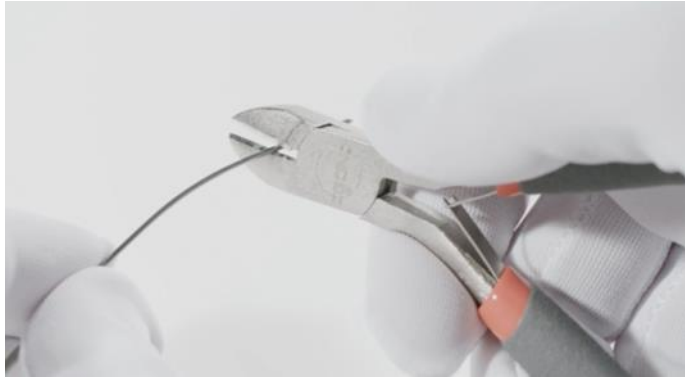


Temple Shortening | Lite Wave

1. Straighten temple and pull off temple cover.



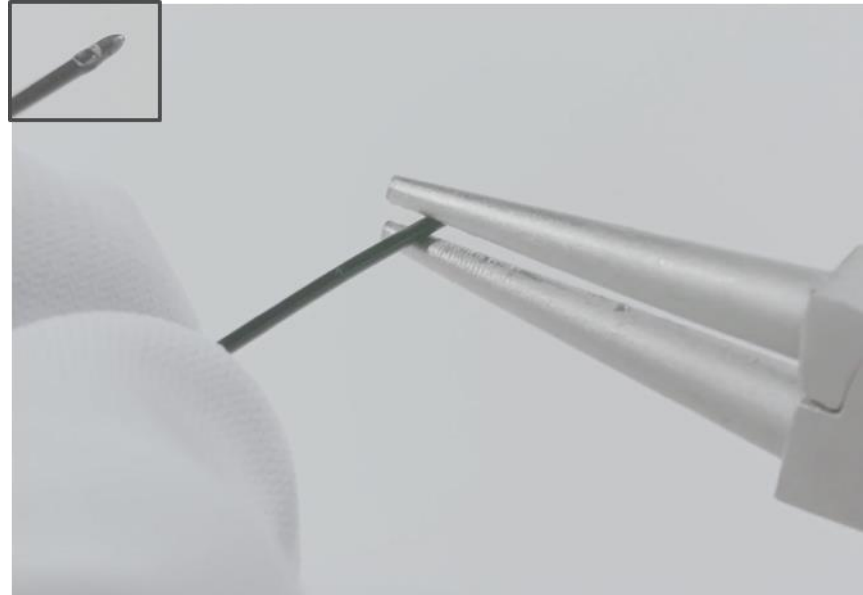
Temple Shortening | Lite Wave



2. Shorten titanium eyewear with metal diagonal cutter.
3. File down sharp edges and burrs.

Temple Shortening | Lite Wave

4. Squeeze titanium wire with round pliers at the very end to recreate indentations on temple wire.
5. Reinstall temple cover.



Lite Wave | Additional Information

Cleaning in an ultrasonic bath or with ethanol is possible.
Avoid high temperatures such as the dashboard in the car
or the sauna.

Always use the supplied case for storage.



Silhouette®

ICONIC EYEWEAR MADE IN AUSTRIA. SINCE 1964.