



# NOVA

ION & LIGHT  
Product Presentation



A person in silhouette is standing on a grassy hill, holding the lines of a large, inflated paraglider. The paraglider is primarily green with white sections and has "ION 6 LIGHT" printed on it. The sun is low on the horizon, creating a bright lens flare and silhouetting the person and the paraglider against a clear blue sky. In the background, there are dark, rocky mountain peaks.

## ION 6 Light – Always up for flying

Now the only reason not to fly is the weather, because the ION 6 Light (EN/LTF B) is infinitely versatile. Whether you plan to hike & fly, local soaring or even an ambitious cross-country flight - as soon as the sun shines, this paraglider puts you right at the front and top. A high degree of passive safety comes as standard.





## Ready for anything

The ION 6 Light includes everything you would expect from a real all-round wing - precise handling and maximum performance with a high level of passive safety. Because many glorious cross-country flights start with a hike up the mountain, it is also light (3.9 kg/size S) and can be packed particularly small. Its design mirrors the ION 6, whilst using special light materials and narrower risers. This saves weight - the "Light" is a full 800 grams (size S) lighter than the standard version - and the glider, neatly packed in the waterproof Compression Bag, has a volume of only 19 litres.



## Overview included

Both the risers and the lines of the ION 6 Light are an asset during launch preparation and ground handling. Coloured markings on the risers clearly indicate right and left and this is continued on the brake handles and hang points on our harnesses. This makes it easy to check one is hooked in correctly. Line sorting is also easy, because the ION 6 Light has sheathed main, brake and stabilo lines and follows the colour scheme recommended by the PMA: A - red, B - yellow, C - blue, brake - orange, stabilo line - green. This means the lines are identical to the ones used on the ION 6.





A person is paragliding over a vast mountain range. The sky is filled with a thick layer of white clouds, creating a sea of clouds effect. The mountains in the background are dark and rugged, with some snow visible on the peaks. The paraglider is wearing a blue jacket and an orange helmet. The parachute is a large, curved canopy with a blue and white striped pattern. The overall scene is serene and majestic.

**ION 6 LIGHT**  
Always up for flying





## Lots of attention to detail

When designing the ION 6 and ION 6 Light, everything from the previous ION series was re-examined and only the features which proved to be a 100% hit were retained. The result is shorter lines than on the previous model and a reduced curvature, i.e. a “flatter” canopy. This increases the roll damping and ensures stable flight. Due to the short lines, and despite the high roll damping, the ION 6 Light reacts precisely to brake inputs – and the pilot can feel what is happening above them without delay. Another consequence of the reduced curvature is the increased projected aspect ratio (3.84) compared to the ION 5 Light (3.52). In contrast, the flat aspect ratio increased only marginally, by only 0.6%.






## XC in your comfort zone

Feeling comfortable even on long flights begins with a familiarity between pilot and paraglider. This comes with experience, but is also aided by the finely tuned flight characteristics of the glider. The ION 6 Light inflates reliably even in light winds and, typical for lightweight paragliders, even with only moderate pulling force. Once in the air, flat turns are easy and in tight turns it will only spiral if you decide to. So you can make the most of even the weakest of thermals. And talking of making the most of it, if you need to get quickly from A to B, the speed-system fulfills its promise. Additionally, the following features provide performance that you will feel from the first flight: mini-ribs with internal seams, Mini-Rib Vector Tape and 3D Shaping at the leading edge.





## Quote from Fabian Gasteiger

(NOVA test pilot)

“Right from launch the ION 6 Light is unbeatable: whether it’s light or strong wind... it is very easy to inflate, stays above you and does not tend to overshoot. This, together with a relaxed flight feeling and plenty of XC potential, makes it the ideal companion for me on my vol biv tours – especially in thermic conditions”.

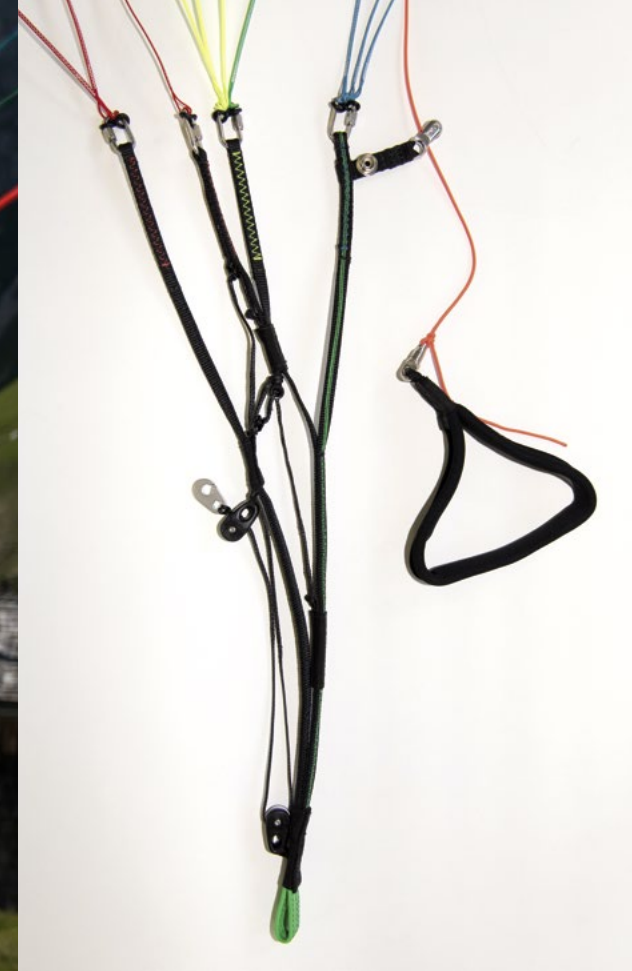




## Play it safe

Countless take offs and landings, vol biv flights and trips have left their mark? Don't worry - even fine dirt inside the glider is easily removed, because with the ION 6 Light it slides along the trailing edge to the wingtips - to the specially designed outlets. Any greater damage that requires repair is covered by NOVA Protect, which is valid for one year after purchase and insures against the cost of accidental damage (excess 50 euros + shipping and VAT). We replace lines or damaged panels and check the trim of your glider after repair. Everything so you can do what you love to do again as soon as possible... flying.





## Less drag

The risers of the ION 6 Light differ significantly from the previous models and are only 7 mm wide, instead of 12 mm. However, diligent workmanship guarantees a high load capacity comparable to wider risers. The thinner risers have many advantages. They mean less drag and therefore an increase in performance. And they ensure a weight reduction of 100 g. In addition, the flat webbing riser is easier to handle than the “shoelace risers”, which often feature on very weight-reduced wings. The riser is skinny, but does not have a tendency to twist. Please note: if you would prefer the wider risers on the ION 6, this is not a problem. You can select which risers you want when ordering your wing.





## Pilot target group

The ION 6 Light is suitable for gifted beginners (in countries where an EN B may be used for instruction), as well as recreational pilots and experienced pilots with cross-country ambitions who value a small packing volume and little weight. Thanks to its high level of passive safety, the ION 6 Light is a great introduction to EN B gliders and allows relaxed flying - without having to forego plenty of performance for cross-country flights. Regarding the slim risers, when changing from standard to "light" risers, we always recommend the pre-flight inspection includes carefully checking that there are no twists in the risers and you are correctly clipped in.





## Zig-Zag 3D-Shaping

In addition to the standard 3D Shaping there is a Zig-zag 3D Shaping seam on each cell. The advantage is that this seam doesn't run in the direction of the spanwise force. This means the seam runs more cleanly and is more aerodynamically advantageous. This innovation reduces the creases in the leading edge.





## Mini-ribs

Mini-ribs increase the number of cells in the rear wing area and thus provide an aerodynamically optimised trailing edge. The necessary seams are on the inside. The mini-ribs also help to keep the brake pressure moderate.

## Mini-Rib Vector Tape

In the ION 6 Light, an additional vector tape runs through slots in the mini-ribs. This tape reduces the crease that is created when braking. This markedly increases climb performance and handling. Additionally, there is a brake gathering system on the trailing edge. These features mean the ION 6 Light has a beautiful, smooth trailing edge, even when the brakes are applied.





ION 6 LIGHT  
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# ION 6 LIGHT

## FAQ

### **What is the difference between the ION 6 and the ION 6 Light?**

Both wings are certified as EN/LTF B. The difference is the materials used in their construction. The ION 6 Light is made from lighter cloth and is fitted with slimmer risers. This saves weight in your rucksack – which is useful if you want to travel a lot on foot as part of hike & fly or on paragliding trips. The packing volume of the ION 6 Light is also smaller. In terms of flight characteristics, they are practically identical. The Light is particularly easy to launch and may feel a little livelier in the air. This may also be simply because the light cloth “rustles” more in flight and this noise is perceived as movement in the glider. Can’t decide? No problem: try both and go with your gut feeling.

### **What is new on the ION 6 Light in comparison to the previous model?**

The ION 6 Light is state of the art in terms of design and materials – which results in very pleasant handling and even more performance. It is based on the ION 6, which only retained features from the previous ION series that have been 100% proven successful. The changes include shorter lines, reduced curvature, mini-ribs and slimmer risers. Even better roll damping ensures stable flight, but the ION 6 Light still responds to brake input precisely. In terms of weight, the ION 6 Light at 3.9 kg (size S) is almost identical to the ION 5 Light (size S, 3.85 kg).

### **What is the difference between the ION 6 Light and the AONIC?**

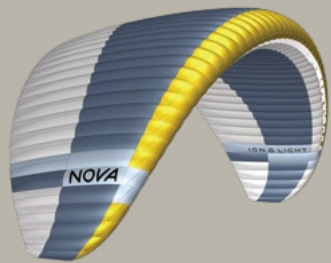
The ION 6 Light (EN/LTF B) and the AONIC (EN/LTF A) are different, for example in their certification. In some countries EN B gliders are not approved for instruction – but EN A gliders are suitable for training. When comparing the two models, the demands on the pilot are slightly higher for the ION 6 Light.

The ION 6 Light is also superior to the “high-end EN A” AONIC in terms of performance – which is due to its technically sophisticated design, which is optimised for performance. However, both gliders are ideally suited for pilots who want to develop their skills in (cross-country) flying. Ultimately it is your personal preference that decides whether you prefer to fly an EN/LTF A or B paraglider.

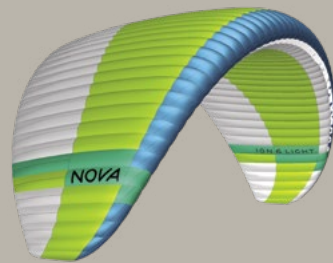
### **What is the difference between an ION 6 Light and a MENTOR 6 Light?**

The ION 6 Light is less dynamic than the MENTOR 6 Light. The ION 6 Light is suitable for pilots desiring more comfort and a more relaxed feel while in the air. In comparison, the MENTOR 6 Light is sportier.

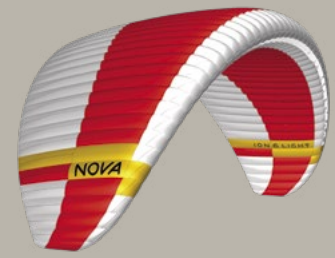




\_Blue



\_Lime



\_Red

## Colours





## Materials

Leading edge: Dominico 30D, 41g/m<sup>2</sup>  
Top surface: Skytex 27 CI /CII, 27/29g/m<sup>2</sup>  
Lower sail: Skytex 27 CI /CII, 27/29g/m<sup>2</sup>  
Profile ribs: Skytex 32 Hard, 32g/m<sup>2</sup>  
(suspended)

Profile ribs: Skytex 27 Hard, 27g/m<sup>2</sup>  
(unsuspended)  
Main lines: Liros PPSL 191 / TSL 140  
Gallery lines: Edelrid U-8000 / DSL70  
Brake lines: PPSLS65, Phoenix90  
Risers: Kevlar 7mm





## Technical Data

### ION 6 LIGHT

		XXS	XS	S	M	L
Number of cells		51	51	51	51	51
Projected span	m	8.38	8.82	9.26	9.66	10.10
Projected area	m <sup>2</sup>	18.30	20.28	22.34	24.34	26.38
Projected aspect ratio		3.84	3.84	3.84	3.84	3.84
Flat span	m	10.51	11.06	11.61	12.12	12.62
Flat area	m <sup>2</sup>	21.28	23.57	25.97	28.30	30.67
Flat aspect ratio		5.19	5.19	5.19	5.19	5.19
Line diameter	mm	0.7/0.8/1.0/1.2/1.3				
Line length	m	5.75	6.08	6.41	6.71	7.01
Max. chord	m	2.52	2.65	2.78	2.90	3.02
Weight	kg	3.20	3.50	3.90	4.10	4.40
Certified take off weight*	kg	60 - 80	70 - 90	80 - 100	90 - 110	100 - 130
Certification (EN & LTF)		B	B	B	B	B

\*) Pilot incl. equipment and wing



# NOVA

Every NOVA paraglider comes with a big package of extra services and guarantees.  
When you buy the wing you get more than just the product.

