

# NOVA

ION 7 | ION 7 LIGHT



Product Presentation

## ION 7 (Light)

From local flying, XC to freestyle fun – everything is possible with the ION 7 (Light). The reason for this great versatility combined with outstanding safety, is NOVA's new design software. Even before the practical tests, top speed and flight manoeuvres such as collapses can be simulated more accurately than ever before.





## Absolutely multi-talented

The ION 7 (Light) was developed using NOVA's new design software, which was already successfully utilised for the creation of the XENON and the MENTOR 7 (Light). The result is a top-notch all-rounder that covers all aspects of paragliding with ease. Proof is the easy launch, efficient cross-country flying, fun during dynamic flight manoeuvres and an elegant flare on landing.



Hike  
Fly+  
approved

## Intelligent Lightweight - ION 7 Light

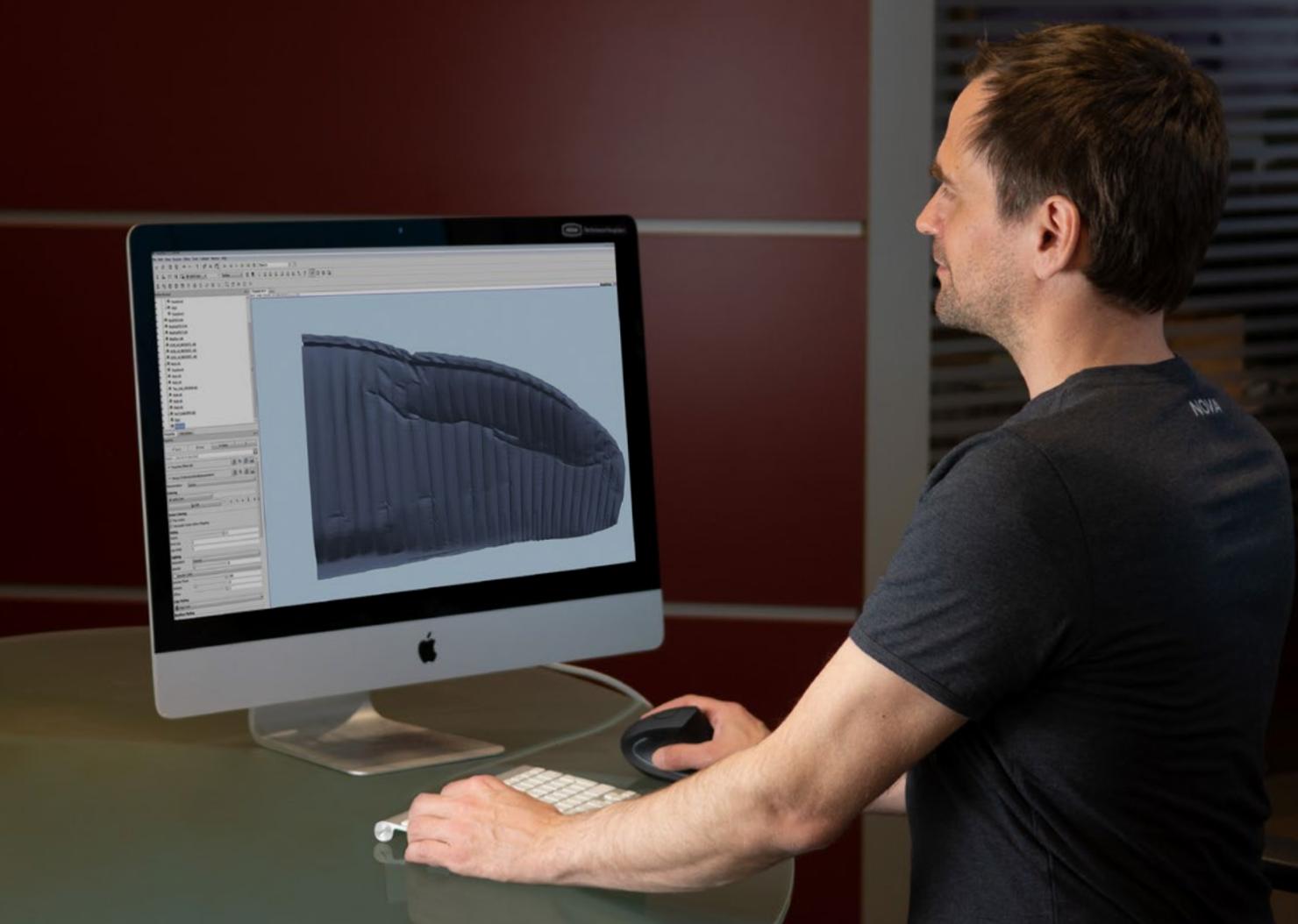
Developed in line with the motto "as light as possible, and as solid as necessary", we rely on a smart design and choice of materials. Where possible, we use lightweight fabric, with sturdier cloth in the areas of heavier wear. This way we can guarantee long durability, high performance and easy handling with little weight. The paragliders are light, fully usable for everyday flying AND durable.



**INTELLIGENT  
LIGHTWEIGHT**

ION 7 LIGHT  
Lightweight versatility





## Optimised collapse behaviour

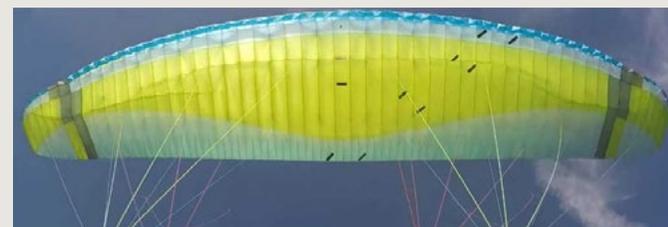
The ION 7 (Light) exhibits unprecedented gentleness when it comes to collapses. During asymmetric collapses, the glider turns only minimally, and there is little loss of height. We have achieved these properties through simulations in our new design software, which offers us new possibilities in development. This means we not only select the virtual prototypes with the highest performance, but also those with the best collapse behaviour from a large number of simulations. The result is the stable and safe flying feeling of the ION 7 (Light).



## Quote Philipp Medicus

(Head of R&D at NOVA)

"My scope for experimentation has been increased thanks to our new design software. Now I can find solutions in the design that were previously outside the realm of possibility. For the ION 7 (Light) this means that a very high level was already achieved before we had the first prototype sewn to begin the practical tests."





## XC at its best

In terms of design, the ION 7 (Light) is based on the MENTOR 7 (Light) cross-country wing. As essential flight characteristics, our team and test pilots emphasise the very high stability with exceptional top speed. So in this respect, the ION 7 offers what you usually only find in high-end EN B wings. In addition, there is very good glide performance, a user-friendly speed-bar and a thermalling sensation of "it takes all in its stride". Descent techniques such as big ears, B-line stall and spiral dive are also simple to perform. So nothing stands in the way of a safe and comfortable cross-country flight.



ION 7  
Versatile by design



Standard riser



Fidlock magnets

XC-Riser (Optional): The C-handles can be operated very comfortably and with little effort.

## Standard riser or XC Riser

The ION 7 (Light) is supplied as standard with a 12 mm narrow and sturdy Kevlar riser. In addition, the riser features Ronstan pulleys for less effort when pushing the speed-bar and Fidlock magnets for uncomplicated fixing of the brake handles. Pilots who want to fly even more efficiently with the speed-bar can optionally purchase the ION 7 XC Riser. This requires greater care during launch preparations, but allows for improved pitch control.



## Safer than ever before

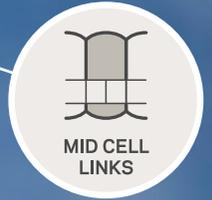
The latest version of our design software can simulate flight manoeuvres such as collapses extremely accurately. In the ION 7 (Light) we have achieved an unprecedented combination of stability and benign collapse behaviour – even during accelerated flight. These flight characteristics mean stress-free initial SIV manoeuvres. And it is worth striving to improve, because as we all know, you never stop learning. We hope you enjoy constantly refining your skills with the ION 7 (Light)!



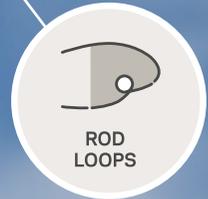
ION 7 LIGHT  
Lightweight versatility



SIMPLIFIED  
LINE SET



MID CELL  
LINKS



ROD  
LOOPS

## Tried and tested meets innovation

The ION 7 (Light) uses tried and tested materials as well as a smart design. Our new Rod Loops mean fewer seams and from the moment of take off support the inflow of air (Air Scoop). With the Mid Cell Links, the stability of the leading edge is further optimised – which benefits performance, especially in accelerated flight. The ION 7 (Light) only has two line galleries: main lines and gallery lines, but there is no middle gallery. This means only very few line elements and as a result, they are very simple to sort.



## Freestyle fun as you like it

Thanks to its direct handling and high stability, the ION 7 (Light) makes it easy to get started with acro manoeuvres. The SAT can be flown cleanly; wingovers are agile. Stalls are easy to perform, and helicopters work well. The brake travel to the stall point is very long, making an unintentional stall extremely unlikely. With the ION 7 (Light), you can safely enter the world of acro and hone your skills.



## Pilot target group

The ION 7 & ION 7 Light is suitable for enthusiastic beginners as well as advanced pilots who value the versatility of their paraglider, and who enjoy improving their flying technique. From local soaring, XC to freestyle fun - anything is possible without sacrificing comfort and safety.

The ION 7 Light is also ideal for Hike & Fly thanks to its Intelligent Lightweight construction.

# ION 7 LIGHT | ION 7

## FAQ

### **What is the difference between the ION 6 (Light) and the ION 7 (Light)?**

Thanks to NOVA's new innovative design software, the ION 7 (Light) offers an increase in performance and stability as well as more direct handling compared to its predecessor. There is also an advantage in terms of top speed as well as a further improvement in collapse behaviour.

### **What is the difference between the ION 7 and the ION 7 Light?**

The primary difference is the weight, because the ION 7 Light uses the lightest cloths in accordance with our "Intelligent Lightweight" motto. These materials offer both long durability and better profile shape. This also means a smaller packing volume. The ION 7 Light is perfect for hike & fly. Good to know: whether "Light" or not - we provide the same, comprehensive NOVA guarantee for both models of the ION 7.

### **How can I convert the ION 7 (Light) risers to the XC Risers?**

To purchase the XC Risers, please contact your local NOVA dealer or our customer service team (E-mail: [sales@nova.eu](mailto:sales@nova.eu)). Perhaps the conversion can be cleverly combined with our "NOVA Trim Tuning" or the next inspection.

### **Can the ION 7 (Light) be used for instruction?**

The ION 7 (Light) is certified as EN/LTF B and is therefore only approved for instruction in countries that allow EN B gliders for training. However, in the NOVA range it is positioned below the high-end EN B MENTOR and features large safety reserves. This makes it ideal for individual progression after basic training.

### **Is the ION 7 (Light) suitable for SIV?**

Yes - because with the ION 7 (Light), all common manoeuvres and descent techniques can be learned and executed within the comfortable safety of the EN B class. With our new design software, we can accurately predict the collapse behaviour of the ION 7 (Light), which is extremely good-natured. With the ION 7 (Light) you have the ideal glider for safety training.

# ION 7 LIGHT | ION 7

## FAQ

**What is the advantage of using NOVA's new design software?**

Thanks to the new NOVA design software, we can test more intensively in the simulation on the computer even before the first prototype is sewn. This means that we have a much wider range of design possibilities and combinations. This makes it possible to identify exactly the "sweet spot" and go into the practical tests with an already very refined prototype.

**How should I pack the ION 7 (Light)?**

The best way to pack your ION 7 (Light) is to use the Stuff Sack and Riser Bag, both of which are included. You will find step-by-step instructions with pictures in the manual. Alternatively, you can utilise our Concertina Bag Light, Compression Bag or Quick Pack Bag.

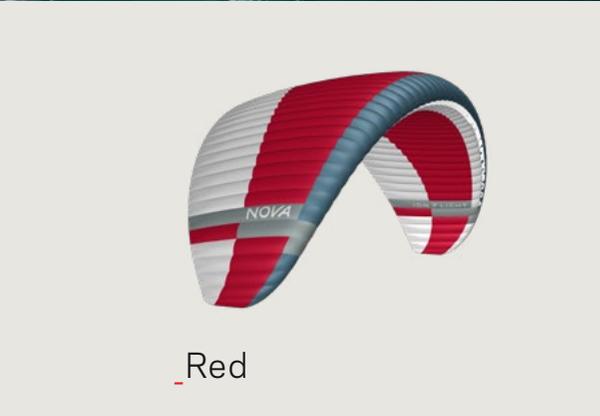
**How should I store the ION 7 (Light)?**

A place without major temperature fluctuations or direct sun is best. If possible, store the paraglider loosely folded in the stuff sack. Please avoid prolonged storage in a compressed state (in the Concertina Bag Light or Compression Bag). You can find more information about paraglider care in the manual.

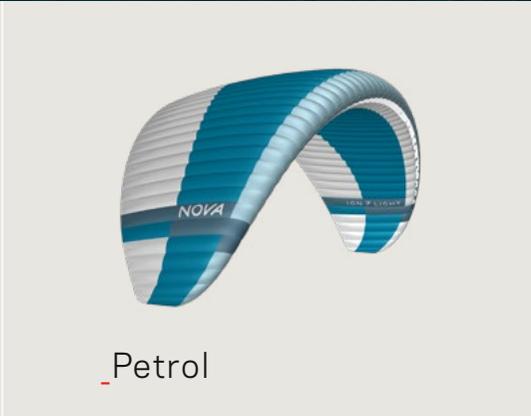




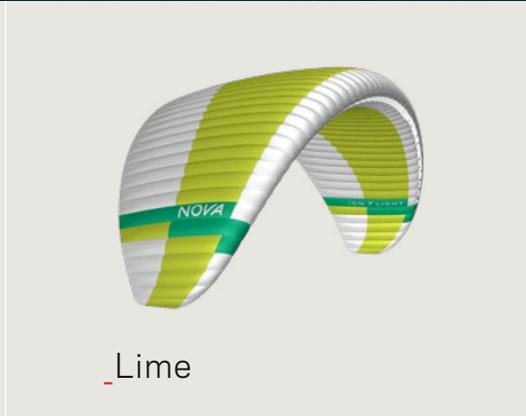
ION 7  
Versatile by design



\_Red



\_Petrol



\_Lime

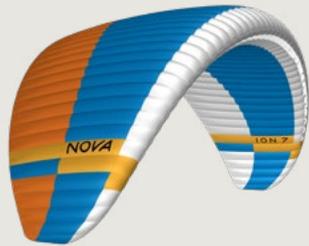


\_Orange

# Colours ION 7 Light



\_Lime



\_Blue



\_Sangria

## Colours ION 7



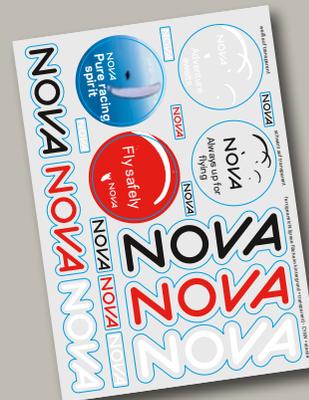
INNER BAG



RISER BAG



MANUAL



STICKER



NOVA WINDSOCK



REPAIR STICKER

## Scope of delivery



## Materials

### ION 7

Leading edge:	Skytex 38 Universal, 38 g/m <sup>2</sup>
Top surface:	Skytex 38 Universal 38 g/m <sup>2</sup> Skytex 40 Eazyfly 40 g/m <sup>2</sup>
Lower sail:	Skytex 40 Eazyfly 40 g/m <sup>2</sup>
Profile ribs: (suspended)	Porcher Skytex 40 Hard, 40 g/m <sup>2</sup>
Profile ribs: (unsuspended)	Porcher Skytex 40 Hard, 40 g/m <sup>2</sup>
Main lines:	Liros PPSL191 / Liros TSL140
Gallery lines:	Edelrid U-8000
Brake lines:	Edelrid 7850-240 / Liros DSL70 / Liros PPSLS65
Risers:	Kevlar 12 mm

### ION 7 LIGHT

Leading edge:	Dominico 30D, 41 g/m <sup>2</sup>
Top surface:	Dominico 20DPS, 33 g/m <sup>2</sup>
Lower sail:	Dominico 10D, 26 g/m <sup>2</sup>
Profile ribs: (suspended)	Porcher Skytex 32 Hard, 32 g/m <sup>2</sup>
Profile ribs: (unsuspended)	Porcher Skytex 27 Hard, 27 g/m <sup>2</sup>
Main lines:	Liros PPSL191 / Liros TSL140
Gallery lines:	Edelrid U-8000
Brake lines:	Edelrid 7850-240 / Liros DSL70 / Liros PPSLS65
Risers:	Kevlar 12 mm

# Technical Data

ION 7   ION 7 LIGHT		ION 7 Light XXXS	XXS	XS	S	M	L
Cells					51		
Proj. span	m	8.0	8.4	8.8	9.3	9.7	10.1
Proj. surface area	m <sup>2</sup>	16.5	18.3	20.2	22.2	24.3	26.3
Proj. aspect ratio					3.86		
Flat span	m	10.0	10.5	11.0	11.6	12.1	12.6
Flat area	m <sup>2</sup>	19.3	21.4	23.6	26.0	28.4	30.8
Flat aspect ratio					5.17		
Line diameter	mm			0.7/0.8/1.0/1.2/1.3			
Distance pilot-canopy	m	5.99	6.31	6.63	6.96	7.27	7.57
Max. profile depth	m	2.4	2.6	2.7	2.8	3.0	3.1
Weight ION 7	kg	---	4.2	4.5	4.8	5.1	5.4
Weight ION 7 Light	kg	3.4	3.6	3.8	4.1	4.3	4.6
Certified take off weight*	kg	55 - 75	55 - 85	70 - 95	80 - 105	90 - 115	100 - 130
Recommended take off weight*	kg	60 - 70	70 - 80	80 - 90	90 - 100	100 - 110	110 - 125
Permissible take off weight Powered flight**	kg	55 - 95	55 - 105	70 - 115	80 - 125	90 - 135	100 - 150
Certification (EN/LTF)					B		

\*) Pilot incl. equipment and wing

The ION 7 (Light) climbs well even when flown at the higher end of the weight range. Therefore, after intensive flight tests, we have extended our usual weight ranges for sizes XXXS, XXS, XS, S and M upwards by 5 kg. On epic days, this can be used to fly a high average speed.

\*\*\*) Pilot incl. equipment, motor 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.

