

PRE-RELEASE
2017-MODELL

blacklight²

LTF/EN B

WE DID
EVERYTHING,
SO YOU CAN
REACH YOUR
GOALS FASTER.







BLACKLIGHT 2

Innovation, that will take you further

Revolutionary performance capability with straightforward handling - the BLACKLIGHT considerably raised the bar in the B-class. The demands to the new generation were accordingly merciless. The BLACKLIGHT 2 packs a new performance dimension on top of that. The wing was newly designed from scratch and comes up with a clearly higher speed and an enormous glide ratio of 10.7.

The BLACKLIGHT 2 conveys an appreciable compact feeling and efficiently brings the power to XC adventures. The fascinating sportive handling is what makes the glider a precise thermal turner. Besides the impressive performance the wing also offers safety and comfort that will take you even further.

With the BLACKLIGHT 2 U-Turn already presents the new XC generation 2017. The revolutionary high end B XC wing BLACKLIGHT 2 emphasizes the innovative energy of U-Turn. The wing was completely newly constructed and carries the tradition of high performance capability with easy handling into the future.

The BLACKLIGHT 2 is a must-have for ambitious XC pilots, who are looking for a power wing with straightforward handling without renouncing the comfort of passive safety.

was more than achieved with the BLACKLIGHT 2. The new overall concept not only brings a clear increase on power but also the handling and safety were refined and optimized. Additionally remarkable weight saving were realized through intelligent construction innovations.

The work in development to re-interpret the top seller took over two years. Of course all parameters were meant to be improved upon clearly. That admittedly posed a quite ambitious challenge, that

The kilometer-eater reacts precisely and absolutely free of delay to the slightest control pulses and translates thermal lift into height very reliably. The sleek wing also stands compactly in turbulent air and nevertheless conveys a precise feedback. Above all the sharknose provides a high stability and an extended inflow area, which especially provides more comfort and power on longer XC flights. However the reactions of the canopy are moderate and soft. The high performance potential gives the wing excellent starting features and ensure a low take off speed as well as very good slow flight features.

The BLACKLIGHT 2 is based on a new ground plan and paired with an elaborately calculated wing profile, which provides much power with high stall tolerance. Chief designer Ernst Strobl equipped the BLACKLIGHT 2 with a sharknose, that provides higher stability during higher speeds. The 3D shaping gives the wing a wrinkle-free tension and increases, in combination with the Precision Profile Nose (PPN), the form fidelity in the nose area. Complex calculations of the ballooning in conjunction with the optimized pre-tensioning of the wing provide the perfect flow around the profile. The High Pressure Crossport Design (HPCD) idealizes the lateral aeration of the crossports and provides the wing with a balanced internal pressure. The line setup is very straightforward with three main lines.

Low canopy weight with high durability - the intelligent material mix and high-quality processing of the BLACKLIGHT 2 promise that. The power wing is exclusively manufactured with the top material Dokdo 20. The high-quality fabric guarantees low self-weight at high abrasion resistance. Therefore the outstanding flying features can be sustained over a long time.

The BLACKLIGHT 2 is LTF/EN B certified and is available as of now in the four sizes XS, S, M, L.

Test the revolutionary XC generation 2017 today.
For further information visit www.u-turn.de

BLACKLIGHT 2



LTF/EN-B INTERMEDIATE / XC

XS 22,6 / S 24,8 / M 27,2 / L 29,2

	XS	S	M	L
Start weight Startgewicht	55-80	65-90	80-105	95-120
Flat area Fläche ausgelegt	22,6m ²	24,8m ²	27,2m ²	29,2m ²
Projected area Fläche projiziert	19,641m ²	21,553m ²	23,639m ²	25,377m ²
Flat wingspan Spannweite ausgelegt	11,26m	11,795m	12,353m	12,799m
Projected wingspan Spannweite projiziert	9,127m	9,561m	10,013m	10,374m
Flat AR Streckung ausgelegt	5,61	5,61	5,61	5,61
Projected AR Streckung projiziert	4,241	4,241	4,241	4,241
Chord: center / wingtip Flügeltefe: Mitte / Stabulo	2,445 / 0,547 m	2,561 / 0,572 m	2,682 / 0,601 m	2,779 / 0,627 m
V-trim V-Trim	39 (+/-1) km/h	39 (+/-1) km/h	39 (+/-1) km/h	39 (+/-1) km/h
V-max V-Max.	54 (+/-2) km/h	54 (+/-2) km/h	54 (+/-2) km/h	54 (+/-2) km/h
Bridle height Abstand Tragegurt-Kappe	6,869m	7,195m	7,535m	7,807m
Nr. of cells Zellenanzahl	59	59	59	59
Glider weight Gewicht	4,3 kg	4,7 kg	5,3 kg	5,7 kg
Bridle length Gesamt Leinenlänge	230,219m	238,925m	274,066m	306,446m
Line diameter Leinendurchmesser	0,55 / 0,65 / 0,7 / 1,1 1,2 / 1,3 / 1,45 / 1,6 mm	0,55 / 0,65 / 0,7 / 1,1 1,2 / 1,3 / 1,45 / 1,6 mm	0,55 / 0,65 / 0,7 / 1,1 1,2 / 1,3 / 1,45 / 1,6 mm	0,55 / 0,65 / 0,7 / 1,1 1,2 / 1,3 / 1,45 / 1,6 mm
Speed system / trimmer Fuß Beschleuniger / Trimmer	Yes / No Ja / Nein	Yes / No Ja / Nein	Yes / No Ja / Nein	Yes / No Ja / Nein
Certification Zulassung	EN-B / LTF-B	EN-B / LTF-B	EN-B / LTF-B	EN-B / LTF-B
Certified standards and procedures Angewandte Testverfahren	LTF 91/09 & EN 926-1:2006, 926-2:2013	LTF 91/09 & EN 926-1:2006, 926-2:2013	LTF 91/09 & EN 926-1:2006, 926-2:2013	LTF 91/09 & EN 926-1:2006, 926-2:2013
Folding lines used for certification Faltleinen für Testflüge benutzt	No Nein	No Nein	No Nein	No Nein
Certification No. Zulassungsnummer	EAPR-GS-0537/16	EAPR-GS-0536/16	EAPR-GS-0535/16	EAPR-GS-0534 /16



DOKOO 20



COLOR 01



COLOR 02



COLOR 03



COLOR 04

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