

MLBINOVA[®]

NO ORDINARY
READING GLASSES

Take your
reading
experience to
a new level



 **MULTILENS**



MLBINOVA®

NO ORDINARY READING GLASSES

Today's conditions when we read differs quite dramatically compared to the conditions only a few years ago. Our primary source of information are nowadays often smartphones, tablets and computers.

ML Binova is designed to help people read more comfortably and relaxed. There are ML Binova glasses for all users. For people needing modest addition, for people with visual impairment, or for people that need to see small details.

The core of ML Binova is our PrismOptics, which reduces the convergence need. ML Binova is also available with RelaxTint, a filter colour that reduces the amount of blue light reaching the eye. Combining ML Binova with filter colour enhances comfort whilst reading.

FIVE FEATURES FOR BETTER PERFORMANCE

The ML Binova concept contains a wide range of frames and product categories. See below the five most interesting features.

1. WIDE POWER RANGE

ML Binova is available in standard powers from +1.0 D up to +16 D. It's also possible to order ML Binova with individual prescription. With high addition and short reading distance, cylinder power is often not important to correct. Even small differences between right and left eye are acceptable for most people. Therefore, standard solutions works fine also for cylinder powers or small differences between right and left eye.

2. PRISM OPTICS

High addition means reading at a short distance, and a higher demand on convergence, which might cause eye strain. That's why all ML Binova have a built in prism to reduce the convergence need.

For the lower standard powers, we assume that the patient is close to emmetrope and calculate the convergence prism based on the power. When the power increases, we assume that the patient is a bit hyperope, see chart below.

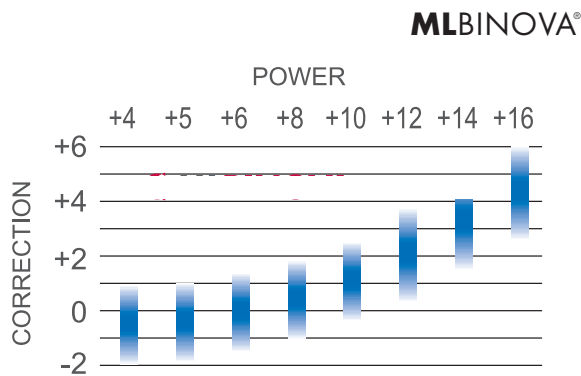


Chart 1 demonstrates the recommended correction for each power of ML Binova Easy and ML Binova Pro. At other distance corrections, ML Binova RX should be selected.

Because of the convergence prism in ML Binova, the wearer can use binocular vision even with short reading distances down to 10 cm. In table 1 and illustration 1, you can see how the concept works.

The pupillary distance is insignificant when ordering ML Binova. The reason is that the larger convergence need a person with large PD have, the more prism effect is achieved. The opposite principle applies with a small PD.

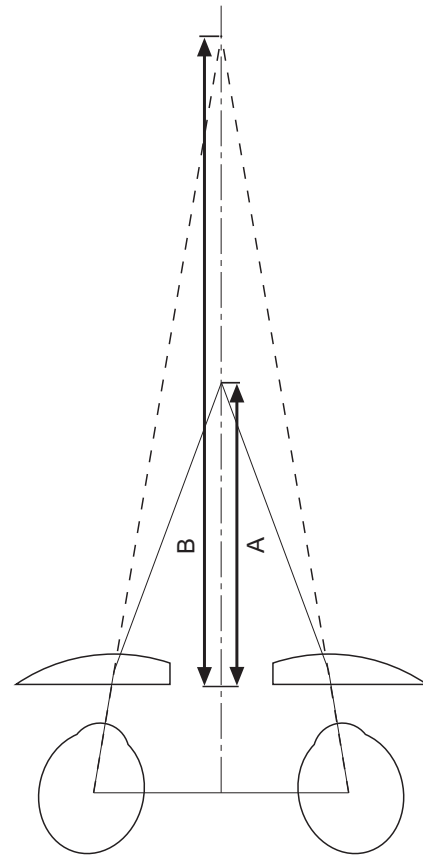


Illustration 1 shows the focusing distance (A) and the convergence distance (B).

Dioptres	Distance A	Distance B
+4	25.0 cm	35 cm
+5	20.0 cm	30 cm
+6	16.7 cm	25 cm
+8	12.5 cm	21 cm
+10	10.0 cm	18 cm

In table 1, example distances are shown.

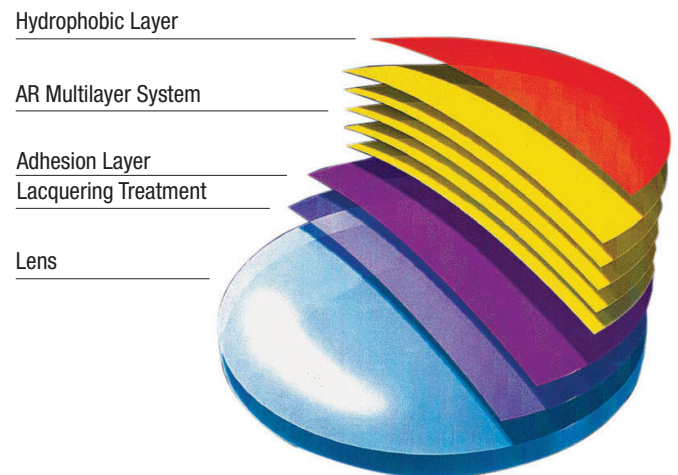
3. FILTER TINT FOR BETTER COMFORT

Because of the new demands when looking at close distance, sometimes a filter tint can be useful.

- The difference in light level on a smartphone compared to the surroundings is sometimes big
- LED-screens expose your eyes to more blue light than reading text on paper. The blue light speeds up the ageing process of your eyes and increases the risk to develop eye diseases

4. ANTIREFLEX COATING

All ML Binova lenses are coated with our ML Prima+ or Multicoat. This increases the light transmission and enhances visual quality.



It's always possible to add ML Filter tint for ML Binova RX. For ML Binova Easy, RelaxTint is always included.

5. HIGH QUALITY FRAMES

All frames are of high quality and specifically developed for the purpose of close reading. They're light weight and durable.

THE DIFFERENT PRODUCT CATEGORIES

ML Binova consists of three different product categories. ML Binova Easy, ML Binova Pro and ML Binova RX. Read more in the following pages.

ML BINOVA EASY

ML Binova Easy is the entrance level within the ML Binova product group. It is suitable for all people who want a more relaxed reading experience. They are available in powers from +1.0 D up to +8.0 D. In the Rimless frame +1.0 to +3.5 and in the Halv-11 frame +4.0 to +8.0.

KEY FEATURES OF ML BINOVA EASY

- RelaxTint is always included. RelaxTint is a yellowish tint that reduces short wave blue light effectively
- High quality frames. For the lower powers (+1.0 D to +3.5 D), ML Binova Rimless is used. For the higher powers (+4.0 D to +8.0 D), ML Binova Halv-11 is used. Both frames are light weight with flexible temples in a modern design in three different colours: Chili, Bronze and Frost
- PrismOptics to ensure maximum comfort. This is of course more important for the higher powers, but also for lower powers, it contributes to enhanced comfort
- Multicoat is always included



ML Binova Rimless Bronze, Frost and Chili



ML Binova Halv-11 Frost, Chili and Bronze

ARTICLE NUMBERS FOR ML BINOVA EASY

POWER RANGE:
+1.0 to +8.0 dioptres

VISUAL FIELD: >70°

TOTAL WEIGHT: 13 – 28 grams

WORKING DISTANCE:
70 – 12 cm

Power	Art.nr	Rimless		
		FROST	BRONZE	CHILI
+1,0	Art.nr	48400	48412	48406
+1,5	Art.nr	48401	48413	48407
+2,0	Art.nr	48402	48414	48408
+2,5	Art.nr	48403	48415	48409
+3,0	Art.nr	48404	48416	48410
+3,5	Art.nr	48405	48417	48411

Power	Art.nr	Halv-11		
		FROST	BRONZE	CHILI
+4	Art.nr	41110	41120	41130
+5	Art.nr	41111	41121	41131
+6	Art.nr	41112	41122	41132
+8	Art.nr	41113	41123	41133

ML BINOVA PRO

ML Binova Pro is the premium level for standardized ML Binova. Available in a wide range of frames and a wide power range from +3.0 D to +16.0 D. ML Prima+ is always included.

For images of the different frames, see page 9 in this brochure.

POWER RANGE:
+3.0 to +16.0 D

VISUAL FIELD: >70°

TOTAL WEIGHT: 26 – 45 grams

WORKING DISTANCE:
33 – 8 cm

ARTICLE NUMBERS FOR ML BINOVA PRO

	Art.nr	Halv-12		Halv-14		Halv-13	Halv-3	Halv-15		Halv-16
		BRUN	GRÅ	RÖD	BLÅ	METALL	RÖD	GRÅ	RÖD	SVART
+3,0	Art.nr	41231	41431	41531	41631	41331	43131	41831	41731	41931
+3,5	Art.nr	41235	41435	41535	41635	41335	43161	41835	41735	41935
+4	Art.nr	41241	41441	41541	41641	41341	44141	41841	41741	41944
+5	Art.nr	41251	41451	41551	41651	41342	44151	41851	41751	41951
+6	Art.nr	41261	41461	41561	41661	41361	44161	41861	41761	41961
+8	Art.nr	41281	41481	41581	41681	41381	44181	41881	41781	41981
+10	Art.nr	41201	41401	41501	41601	41301	44401	41801	41701	41901
+12	Art.nr	41221	41421	41521	41621	41321	44121	41821	41721	41921
+14	Art.nr	41211	41411	41511	41611	41311	44111	41811	41711	41911
+16	Art.nr	41291	41491	41591	41691	41391	44191	41891	41791	41991

ML BINOVA BIFO PRO

ML Binova Pro Bifo is a bifocal version of ML Binova. It enables binocular reading at shorter distances with two different additions. The upper section allows wearers to look at larger text and find their way around the page, and the lower section is used for reading smaller print.

The prisms in the different sections are accurately aligned to ensure greater prism in the lower section, to compensate for the shorter reading distance.

The powers for ML Binova Pro Bifo are +3/+6 or +5/+8 in a Halv-15 frame. ML Binova Bifo can also be custom-made to individual requirements, (ML Binova RX Bifo).

POWER RANGE:
+3/+6 D or +5/+8 D

VISUAL FIELD: >70°

TOTAL WEIGHT: 26 – 34 grams

WORKING DISTANCE:
33 – 12 cm

ARTICLE NUMBERS FOR ML BINOVA PRO BIFO

Power	Halv-15	
	RED	GREY
+3/+6	42737	42867
+5/+8	42759	42859

ML BINOVA RX

ML Binova RX is the category if the patient need something outside the standardized options. Examples of cases where you might need ML Binova RX:

- When a high cylinder power is needed. Normally, the higher the addition, the less effect with small cylinder power on visual acuity
- If anisometropia is present and there is still a need for binocular use, ML Binova RX makes it possible
- If the patient have a distance prescription that is different from what is shown in the chart on page 4 in this document. The prismatic power in the lens might be wrong compared to the reading distance, if a standard solution is ordered
- If ML Filter is indicated

ORDERING ML BINOVA RX

The best way to order ML Binova RX is to enter the distance prescription and the addition. Then we calculate the amount of prisms needed. Example: If the distance prescription is R/L -5.0 and the addition is +10.0 D, we will produce lenses with powers +5.0 D with a prismatic effect adjusted for 10 cm.

ARTICLE NUMBERS FOR ML BINOVA RX

Power range	Coat	Halv-11		
		FROST	BRONZE	CHILI
Up to +8 cyl -10	UC	42120	42140	42160
	Prima+	42121	42141	42161

POWER RANGE:

Up to +20.0 D cyl -10.0

VISUAL FIELD: >70°

TOTAL WEIGHT: 26 – 45 grams

WORKING DISTANCE:

33 – 12 centimetres

Power range	Coat	Halv-12	Halv-14		Halv-13	Halv-3	Halv-15		Halv-16	
		BROWN	GREY	RED	BLUE	METAL	RED	RED	GREY	BLACK
Up to +8 cyl -10	UC	42220	42420	42520	42620	42320	41350	42720	42820	42920
	Prima+	42221	42421	42521	42621	42321	41353	42721	42821	42921
Up to +12 cyl -10	UC	42230	42430	42530	42630	42330	41351	42730	42830	42930
	Prima+	42231	42431	42531	42631	42331	41354	42731	42831	42931
Up to +20 cyl -10	UC	42240	42440	42540	42640	42340	41352	42740	42840	42940
	Prima+	42241	42441	42541	42641	42341	41355	42741	42841	42941

ARTICLE NUMBERS FOR ML BINOVA RX BIFO

	Halv-15	
	RED	GREY
UC	42763	42863
Prima+	42764	42864

The difference between upper and lower section of the lens is always +3.0 D. +6/+9 is highest possible power.

AVAILABLE FRAMES FOR ML BINOVA PRO AND ML BINOVA RX



Halv-11 Frost



Halv-11 Bronze



Halv-11 Chili



Halv-12 Brun



Halv-3 Röd



Halv-13 Metall



Halv-14 Grå



Halv-14 Röd



Halv-14 Blå



Halv-15 Röd



Halv-15 Grå



Halv-16 Svart



Multilens is a world-unique specialist company within the optical sector. We tailor optical solutions for every need. From the beginning, our only goal has been to focus on the eyes, vision and visual function.

Multilens was set up in 1983 by Lars Hellström, who after 30 years in the optical business decided to focus on the most exciting challenge: developing special optic solutions that could solve difficult optical problems. Together with opticians, optometrists, eye care practitioners and eye doctors he created innovative special optics. Within a short space of time the whole Hellström family was committed and Multilens have since become leaders in low vision and special optics, helping thousands to enjoy a better visual experience.

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Multilens is a
unique company
within special
optics.