

**Visions of life
2011/12**



 ESCHENBACH

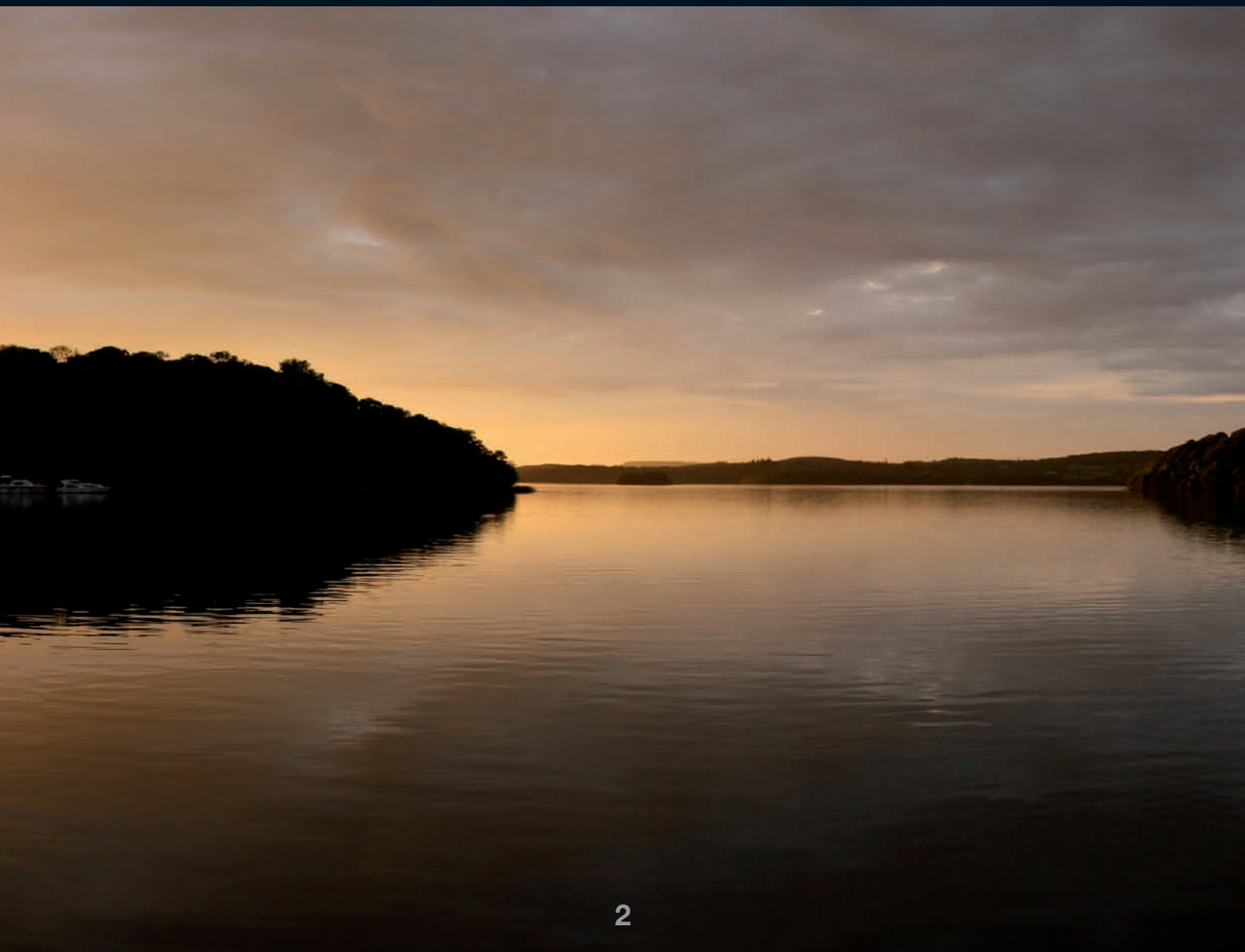
Binoculars, monoculars, spotting scopes and theatre glasses

There are many occasions for using binoculars. And the requirements are as varied as their applications.

Eschenbach offers the right binocular for the most differing fields of use. From monoculars that fit in your shirt pocket to bright twilight binoculars. Eschenbach's combination of quality, best value and service guarantees a clear view.

Man's strongest sensory organ is the eye through which it receives the majority of its sensations. This is more than enough reason to mind your very own needs when selecting your binocular.

See farther. Experience more.



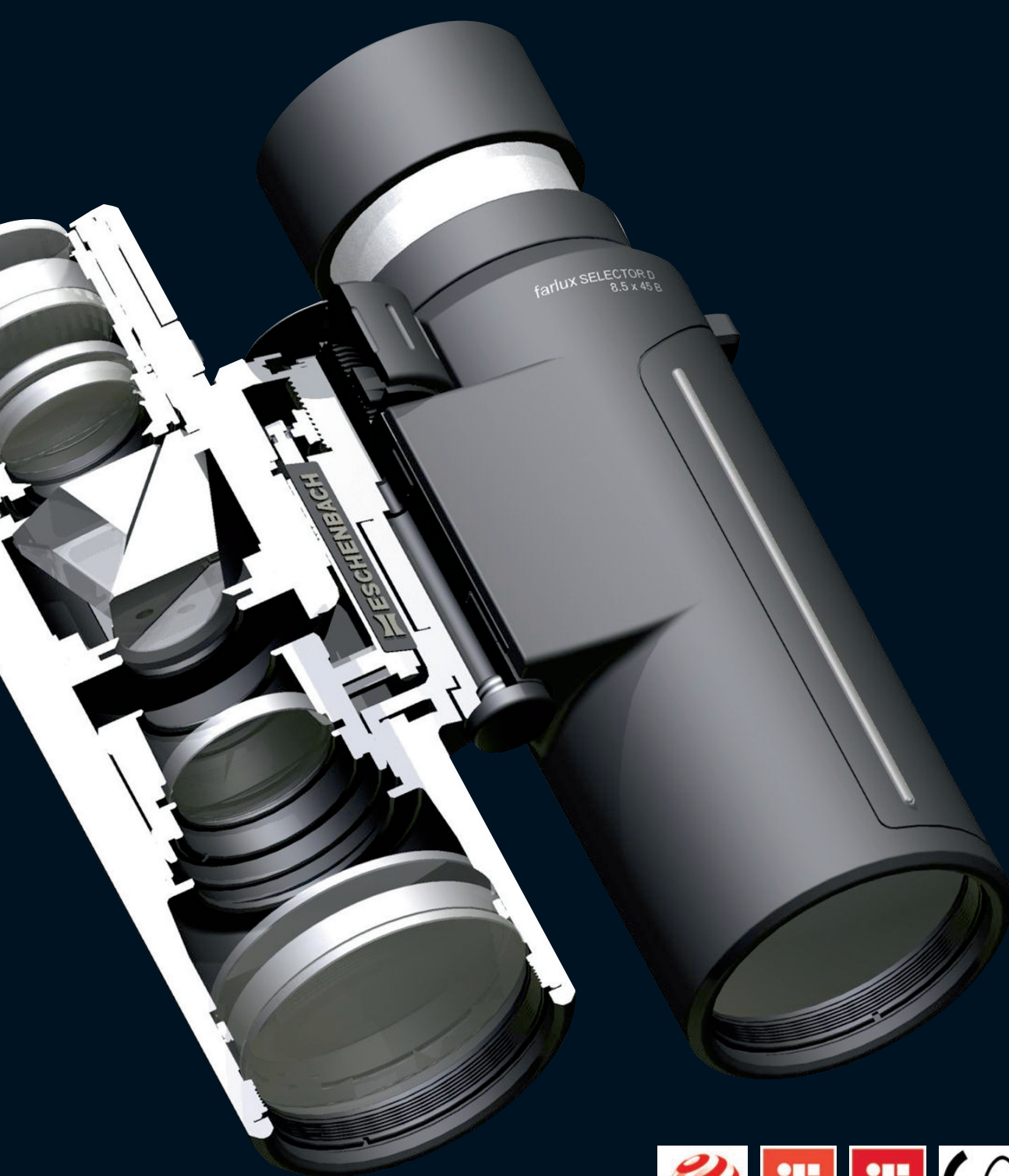


A global brand with tradition

Almost 100 years of experience, a combination of tradition and modernity, focus on innovation and progress and on reliability and performance – since its foundation in 1913, these criteria have contributed to ESCHENBACH OPTIK's success and made it one of the leading suppliers of optical products. In Germany and world-wide. Its product portfolio ranges from spectacle frames and sunglasses to magnifying glasses, special visual aids and binoculars.

With own subsidiaries in Denmark, France, the Netherlands, Italy, Japan, Austria, Poland, Switzerland, Spain, Czech Republic and the US and more than 30 business partners world-wide, ESCHENBACH OPTIK demonstrates its global presence.

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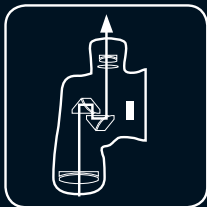
Design as a quality factor

Eschenbach binoculars are a pleasure with regard to their design too as many international design awards show.

Only top products that feature a successful combination of design, innovation and creativity and of quality and functionality are awarded with these popular design awards.

Central aspects that are decisive for consistent international success and that transport some exclusivity besides their functional quality.





Porro prisms

The "classic" prisms: Binoculars with porro prisms are usually wider than comparable roof prisms but not as long. Because their objective lenses are further apart from each other, common porro binoculars provide an image that is slightly more vivid at shorter observation distances.



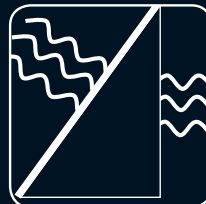
Near point

This figure indicates the shortest distance at which objects can be magnified, sharp and without distortion. This is important for use in museums, sightseeing tours or similar occasions.



Roof prisms

are very compact and therefore allow a very slim design for the binocular. Their production, from an optical and precision point of view, is more expensive than with porro binoculars of the same quality.



Phase-correction

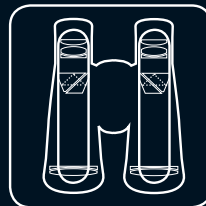
A very expensive surface treatment for prisms of roof prism binoculars through special coating. Top-notch finish for outstanding imaging quality.

BK-7 prisms

Prisms made of borosilicate crown glass, standard for a good imaging performance.

BaK-4 prisms

Specifically selected and carefully processed high-performance prisms made of barium crown glass allow an even better detail resolution and a brighter true-colour image.



Internal focusing

Focusing means producing a sharp image. With internal focusing, only the internal lenses of the binocular are adjusted.

It is a closed system that prevents intrusion of dust, air or humidity.

SK15 prisms

Prisms made of extremely high-quality SK15 glass. They allow minimizing of undesired internal reflexions and so effect a pin sharp image with optimal contrast.

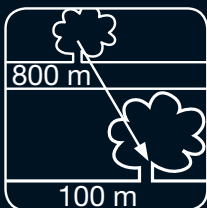


All-weather/waterproof

A system of water-repellent devices on housing and moving parts to make the binocular pressure water-tight.

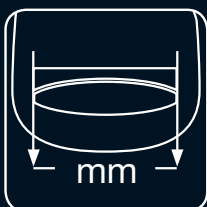
Nitrogen fill

For heavy-duty use in all weather, Eschenbach binoculars are filled with nitrogen (N₂). This prevents steaming of the internal lenses in case of temperature changes.



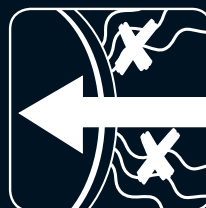
Magnification

This value indicates the apparent magnification of an object. A magnification of 8 times means that an object at a distance of 800 m appears as if it was 100 m away.



Objective lens

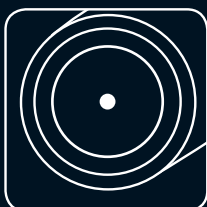
The diameter of an objective lens is indicated in mm. It is an important characteristic of a binocular. The wider it is the more light comes in and the brighter is the field of view.



Coating

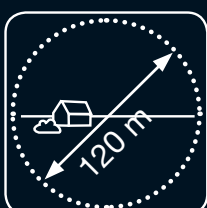
Eschenbach binoculars are equipped with a fully coated optical system. That means that all lenses with air contact are coated with a very thin anti-reflex coating to optimise light transport through the binocular to the eye. Standard is a magnesium fluoride coating, also known as "blue" coating. For an even better light transmission, it is combined with a multi-layer coating on the side of the objective lens and eyepiece, known as "Combi-Coating". For the highest visual requirements, we use multi-layer coating on all lens surfaces exclusively.

True-to-life and absolutely true-colour vision is achieved by Eschenbach's „naturebright“ coating on the farlux®, bison® and regatta® binoculars.



Exit pupil/geometrical light intensity/twilight factor

These are calculated values resulting from the relation between magnification and objective lens diameter. In practice, the following should be considered: For daylight, an exit pupil value between 2 and 3 mm is sufficient, in difficult light conditions, you should use a binocular with an exit pupil of 5 to 7 mm.



Field of view

This value indicates the diameter of an image section that is 1.000 m away. The larger the field of view the easier is the observation of wide landscapes or moving objects, for example at sport events or for animal observation. Glasses that are marked Ww (wide angle) provide an extremely wide field of view.

farlux®



The eagle eye
from Eschenbach



farlux® SELECTOR D

Art. No.	4274845 farlux® SELECTOR D 8.5 x 45 B
Magnification	8,5 x
Objective lens Ø	45 mm
Near point	3 m
Field of view	117 m/1000 m
Prisms	BaK-4, phase-corrected high-reflexion prisms
Coating	High-transmission multi-layer coating, „naturebright“
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	Ocular and objective lens protective covers, carrying straps, high-quality case and an attractive wooden box for safe and beautiful storage.
Warranty	10 years

For additional technical data see p. 38

farlux® binoculars convince with their extraordinary optical performance, outstanding workmanship and attractive design. This makes binoculars from the farlux® series the first choice of ornithologists, hunters and everyone who expects first-class observation performance.

Only with a binocular that provides such bright, true-to-life and brilliant images makes bird watching and nature observation a real pleasure. Your expedition to the world of birds may start!

- Its magnesium housing makes the farlux® SELECTOR D shock-resistant and light.
- Its specific "naturebright" coating keeps what the name promises: an outstanding true-to-life, true-colour and bright image.
- The BaK-4 prisms are phase-corrected for an optimal vision and provided with high-reflexion coating.
- Copes with any weather: pressure water-tight (5 min at a depth of 1 m) and filled with nitrogen.
- With thread for tripod adapter.

Of course, the farlux® SELECTOR D is best suited for hunting as well.





farlux® SELECTOR V

Art. No.	42741 farlux® SELECTOR V 8-15 x 35 B
Magnification	8-15 x zoom
Objective lens Ø	35 mm
Near point	3 m
Field of view	91-70 m/1000 m
Prisms	BaK-4, SK15, phase-corrected high-reflexion prisms
Coating	"flat" full multi-layer coating, "naturebright"
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	Ocular and objective lens protective covers, Carrying strap, high-quality case and carrying case with shoulder strap.
Warranty	10 years

Roof + zoom + waterproof!

Fantastic optical quality providing brilliant, true-to-life colours. farlux® SELECTOR V is of special interest for bird watching and day-time hunting.

- With phase corrected SK15 and BaK-4 high-reflexion prisms. The prisms' high-reflexion coating provide an image that is about 8% brighter.
- The "naturebright" coating optimises light transmission in the green light spectral range. This makes the image even more true-to-life and more pleasant for the eye.
- The waterproof farlux® SELECTOR V model can zoom even in damp conditions.
- Even with 15 times magnification it shows an evenly bright image without "tunnel vision".
- The dioptre balance for individual adjustment can be locked so that it won't change unintended.
- farlux® SELECTOR V, with its ergonomic grip on the front side, lies in your hand firmly and safely, even if your observations take a little longer.
- With thread for tripod adapter.

Hard case with integrated show card for an attractive and informative presentation in the store.





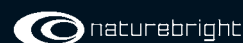
farlux® F-B silver

Art. No.	42848241
	farlux® F-B silver 8 x 24 B
Magnification	8 x
Objective lens Ø	24 mm
Field of view	109 m/1000 m
Near point	3 m
Prisms	BaK-4, phase-corrected high-reflexion prisms
Coating	High-transmission multi-layer coating, "naturebright", "anti-raindrop"
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	Belt case, protective covers and a comfortable premium carrying strap with padding in the neck.
Warranty	10 years

Art. No.	42841281
	farlux® F-B silver 10 x 28 B
Magnification	10 x
Objective lens Ø	28 mm
Field of view	86 m/1000 m
Near point	4 m
Prisms	BaK-4, phase-corrected high-reflexion prisms
Coating	High-transmission multi-layer coating, "naturebright", "anti-raindrop"
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	Belt case, protective covers and a comfortable premium carrying strap with padding in the neck.
Warranty	10 years

For additional technical data see p. 38

Experience maximum brightness and colour fidelity through "naturebright" coating.



Thanks to the prisms with 64 layers of coating, this binocular achieves a light transmission rate of up to 93% and optimal colour fidelity.

- No water spots on lenses.
- Easy cleaning of lenses through "anti-raindrop" coating.
- Resistant to the elements because it is filled with nitrogen and waterproof.
- Can be used with (sun) glasses too through adjustable spectacle eyepieces. Spectacle distance can be customised through 2-increment adjuster on eyepieces.
- Safe transport of binocular and padded carrying strap -> both fit well into the case supplied.

In gift or presentation case.



regatta®

Individual.
Stylish.
Different.



regatta®

Art. No.	4250842 regatta® 8 x 42 B
Magnification	8 x
Objective lens Ø	42 mm
Near point	2.5 m
Field of view	113 m/1000 m
Prisms	BaK-4/BK-7
Coating	High-transmission multi-layer coating, "naturebright"
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	One-piece ocular protective cover, padded carrying strap, neoprene case and tripod adapter
Warranty	10 years

For additional technical data see p. 38

Perfect combination of design and functionality.

regatta® is an exclusive binocular for all leisure-time activities, for all those who want to emphasise their individual style with extraordinary extras. When sailing near the wind, hunting or observing flora and fauna or for other outdoor activities – regatta® 8 x 42 B, with its outstanding features, is a winner in all aspects.

- Optimal colour fidelity and light transmission thanks to "naturebright" coating and phase-corrected prisms.
- Resistant to the elements because it is filled with nitrogen and waterproof.
- Robust and yet light due to its shock-proof magnesium housing.
- Always at hand and protected in its waterproof and ergonomically designed neoprene case.



bison 



**DISCOVER
THE EXTREME**



bison®

Art. No.	4253842 bison® 8 x 42 B
Magnification	8 x
Objective lens Ø	42 mm
Near point	2.5 m
Field of view	113 m/1000 m
Prisms	BaK-4, BK-7, phase-corrected High-reflexion prisms
Coating	High-transmission multi-layer coating, "naturebright"
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	Carrying strap, neoprene case and tripod thread, dust covers
Warranty	10 years

Art. No.	4253825 bison® 8 x 25 B
Magnification	8 x
Objective lens Ø	25 mm
Near point	2 m
Field of view	96 m/1000 m
Prisms	BaK-4, BK-7, phase-corrected
Coating	Full multi-layer coating
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	Case, carrying strap, dust cover
Warranty	5 years

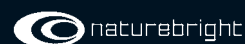
For additional technical data see p. 38

If you love the outdoors and watch wild animals, for example, you will know this situation:

One tiny reflecting or prominent surface that is hit by a ray of light may suffice to drive off rare birds or game, and off it goes to the underbrush. For deer-stalking or observing wild animals – camouflage is the most important thing.

Perfect functionality – perfect camouflage!

bison® binoculars are waterproof and filled with nitrogen to prevent steaming of the internal lenses in case of temperature changes. Especially with unsettled weather conditions, this guarantees a clear view and you can remain ducked while waiting for the decisive moment. The smallest details can be clearly recognised through multi-layer coating and the BK-7/BaK-4 prisms. It meets the highest requirements to vision through brilliant colours. Spectacle eyepieces allow longer observations with and without (sun) glasses.



Rugged leisure-time look supports explorer teams

Eschenbach Optik is the official supplier of the Land Rover Experience Tour, supplying the candidates of this off-road adventure with rugged binoculars.

A male deer with large, dark antlers is lying in a lush green field. The deer is facing right, and its body is covered in brown fur. The background is a soft, out-of-focus green field.

trophy®/sektor

High-performance
binoculars for
hunting and nature
observation



trophy® D-B

Art. No.	4282832
	trophy® D 8 x 32 B
Magnification	8 x
Objective lens Ø	32 mm
Near point	2 m
Field of view	131 m/1000 m
Prisms	BaK-4
Coating	Full multi-layer coating
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	Carrying strap, protective covers and high-quality case
Warranty	10 years

Art. No.	4282742
	trophy® D 7 x 42 B
Magnification	7 x
Objective lens Ø	42 mm
Near point	3 m
Field of view	114 m/1000 m
Prisms	BaK-4
Coating	Full multi-layer coating
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	Carrying strap, protective cover and high-quality case
Warranty	10 years

Art. No.	4282150
	trophy® D 10 x 50 B
Magnification	10 x
Objective lens Ø	50 mm
Near point	4 m
Field of view	88 m/1000 m
Prisms	BaK-4
Coating	Full multi-layer coating
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	Carrying strap, protective cover and high-quality case
Warranty	10 years

For additional technical data see p. 38

In the outdoors, you can always observe new things and phenomena. For this purpose, trophy® offers a wide range of robust and rugged binoculars.

Our trophy® roof prism binoculars convince with their handy "sub-compact" design and their technical features, their elegant look and outstanding value for money.

- Specifically suited for magnifying nature observation from a short distance through its very short near point (2 m with 8 x 32; 3 m with 7 x 42 and 4 m with 10 x 50).
- Can be used in any weather due to its pressure watertightness (3 minutes at a depth of 1 m).
- Due to the preformed thumb position, trophy® D lies in your hand easily and safely, even if your observation takes a little longer.
- Easy operation, also when wearing gloves, due to large and handy centre focus wheel.
- No steaming of internal lenses when temperature changes due to nitrogen fill.
- Exact adjustment of dioptre balance through click increments.
- Light, sharp and true-colour image through full multi-layer coating and BaK-4 prisms.
- Full field of view also for wearers of (sun) glasses through calculated spectacle eyepieces with insertable eyepiece cushions.
- Thread for tripod adapter.





trophy® P-B

Art. No.	4237840
	trophy® P 8 x 40 B
Magnification	8 x
Objective lens Ø	40 mm
Near point	4 m
Field of view	143 m/1000 m
Prisms	BaK-4
Coating	Full multi-layer coating
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	Carrying strap, protective covers and case
Warranty	10 years

Art. No.	4237150
	trophy® P 10 x 50 B
Magnification	10 x
Objective lens Ø	50 mm
Near point	8 m
Field of view	114 m/1000 m
Prisms	BaK-4
Coating	Full multi-layer coating
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	Carrying strap, protective covers and case
Warranty	10 years

Art. No.	4237856
	trophy® P 8 x 56 B
Magnification	8 x
Objective lens Ø	56 mm
Near point	8 m
Field of view	102 m/1000 m
Prisms	BaK-4
Coating	Full multi-layer coating
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	Carrying strap, protective covers and case
Warranty	10 years

Wide-angle lens, waterproof and filled with nitrogen.

- The trophy® P 8 x 40 and 10 x 50 B Ww binoculars combine calculated spectacle eyepieces and wide-angle field of view.
- This bright 8 x 56 hunting binocular also features spectacle eyepieces with screw-in eyepiece cushions.
- Ideal for animal and nature observation in any type of weather because it is pressure watertight (5 minutes at a depth of 1 m).
- No steaming of internal lenses when temperature changes due to nitrogen fill.
- Due to the preformed thumb position, trophy® P lies in your hand easily and safely, even if your observation takes a little longer.
- Easy handling, also with gloves, because of handy centre focus wheel and excellent reachability of dioptre balance.
- Light, sharp and true-colour image through full multi-layer coating and BaK-4 prisms.
- With thread for tripod adapter.



trophy® F-B

Art. No.	42878252
	trophy® F 8 x 25 B
Magnification	8 x
Objective lens Ø	25 mm
Near point	2 m
Field of view	92 m/1000 m
Prisms	BaK-4
Coating	Full multi-layer coating
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	Carrying strap, protective covers and belt case
Warranty	10 years

Art. No.	42871252
	trophy® F 10 x 25 B
Magnification	10 x
Objective lens Ø	25 mm
Near point	2 m
Field of view	87 m/1000 m
Prisms	BaK-4
Coating	Full multi-layer coating
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	Carrying strap, protective covers and belt case
Warranty	10 years
For further technical data see p. 38	

These handy and waterproof trophy® folding binoculars are best suited for observations, everywhere and in any weather condition. Its nitrogen fill will prevent steaming of the internal lenses in case of temperature changes.

- Clear and true-colour image through full multi-layer coating and BaK-4 prisms.
- Full field of view also for wearers of (sun) glasses through calculated spectacle eyepieces with screw-in eyepiece cushions.
- Non-slip holder and protection against shock or fall through solid rubber armour in the trophy® style.





sektor F-Ww

Art. No.	4288822
	sektor F 8 x 22 Ww
Magnification	8 x
Objective lens Ø	22 mm
Near point	3 m
Field of view	143 m/1000 m
Prisms	BaK-4
Coating	Full Combi-Coating
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	no
Accessories	Belt case, protective covers and carrying cord
Warranty	5 years

Art. No.	4288125
	sektor F 10 x 25 Ww
Magnification	10 x
Objective lens Ø	25 mm
Near point	3 m
Field of view	114 m/1000 m
Prisms	BaK-4
Coating	Full Combi-Coating
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	no
Accessories	Belt case, protective covers and carrying cord
Warranty	5 years

sektor – universal binoculars providing the right view in any use. Be it for hunting, nature observation or at sporting events.

Beautiful, small, handy.

Sektor F-Ww, with its dynamically designed rubber armour, does not only look good, its pleasant surface also feels good. It can handle the odd shock and can easily be carried in a backpack when folded up.

- Wide field of view through wide-angle lens, perfectly suited for observing motion events, for example, sporting events.
- Clear image through "Combi-Coating" and BaK-4 prisms.
- Protection against intrusion of dirt or liquids; small and compact design through expensive internal focusing



sektor D-B compact

Art. No.	4272832
	sektor D 8 x 32 B <i>compact</i>
Magnification	8 x
Objective lens Ø	32 mm
Near point	4 m
Field of view	131 m/1000 m
Prisms	BaK-4
Coating	Full multi-layer coating
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	One-piece ocular and objective lens protective covers, thread for tripod adapter plus padded carrying straps and waterproof case
Warranty	5 years

Art. No.	4272142
	sektor D 10 x 42 B <i>compact</i>
Magnification	10 x
Objective lens Ø	42 mm
Near point	4 m
Field of view	105 m/1000 m
Prisms	BaK-4
Coating	Full multi-layer coating
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	One-piece ocular and objective lens protective covers, thread for tripod adapter, plus padded carrying straps and waterproof case
Warranty	5 years

Art. No.	4272856
	sektor D 8 x 56 B <i>compact</i>
Magnification	8 x
Objective lens Ø	56 mm
Near point	4 m
Field of view	122 m/1000 m
Prisms	BaK-4
Coating	Full multi-layer coating
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	One-piece ocular and objective lens protective covers, thread for tripod adapter and padded carrying straps and waterproof case, tripod screw fastener
Warranty	5 years

For further technical data see p. 38

sektor D compact – packed, optimised and for universal use.

- Improved imaging performance. So, its high-performance coating provides lifelike colours and a brighter image.
- Its wider field of view allows an even better overview.
- At the same time, its shorter near point lets the observer come even closer.
- Wearers of glasses will appreciate the adjustable spectacle eyepieces: Unintended pushing in of the eye cups is impossible.

The 3 variations of sektor D *compact* binoculars can meet the most differing requirements:

The 8 x 56 type is the ideal binocular for hunting but has also proven well in bird and nature observation in dusk and dawn. Animal and nature observation during the day is a pleasure with our models 8 x 32 and 10 x 42 as well. These two binoculars are very handy too on holidays or other trips, for example, or at sporting events.

CLUB®

The Little Black
Number for men





club®

Art. No.	4264820 club® 8 x 20 B
Magnification	8 x
Objective lens Ø	20 mm
Near point	1.6 m
Field of view	119 m/1000 m
Prisms	BaK-4, phase-corrected
Coating	Full multi-layer coating
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	High-quality leather case, carrying strap and protective covers
Warranty	5 years

Art. No.	4264125 club® 10 x 25 B
Magnification	10 x
Objective lens Ø	25 mm
Near point	2.5 m
Field of view	95 m/1000 m
Prisms	BaK-4, phase-corrected
Coating	Full multi-layer coating
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	High-quality leather case, carrying strap and protective covers
Warranty	5 years

For additional technical data see p. 38

"The little black one" for men is available again.

The new club® presents itself in elegant black with classy metal applications - it is the successor of our award-winning classic that is exhibited in the Museum of Modern Art. Great in performance and small in size – the new accessory for leisure time, travelling, sports and theatre. Because being really close make the ultimate experience.

Thanks to its full multi-layer coating and its BaK-4 prisms, our club® binocular provides the best view. It is waterproof and filled with nitrogen so that it can be used in any weather and location. Wearing sun-glasses while observing is not a problem due to its spectacle eyepieces.

Thanks to its low weight and small size, the "little black one" it easily stowed away in your shirt pocket or jacket or the high-quality leather case that comes with it.

club® – see more, experience more, enjoy more.



*club*W

For special
moments!





club® W

Art. No.	4265825 club® W 8 x 25 B
Magnification	8 x
Objective lens Ø	25 mm
Near point	2 m
Field of view	96 m/1000 m
Prisms	BaK-4, BK-7, phase-corrected
Coating	Full multi-layer coating
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	Trendy case, padded carrying strap and protective cover for carrying in the purse
Warranty	5 years

For additional technical data see p. 38

Binocular with must-have effect!

Be it for teeing off at the golf course, for taking a walk in the marina or watching her favourite sportsman – with our club® W every sophisticated woman will prove her taste and vision. And our club® W does not only impress with its glossy white pearly surface and discreet elegance, but also with its „inner values“:

With its 8-times magnification, phase-corrected BK-7 and BaK-4 prisms with full multi-layer coating, the little white one allows spontaneous views into the distance.

Featuring nitrogen fill and waterproofness, it can be used anywhere. Our club® W does not only put the watcher in the picture – it also puts herself in focus. So, it is not only a handy but also attractive accessory.

And for men, this pearly binocular has an unbeatable advantage too: It is a high-quality present that every women will wear with pleasure. And it is just something else.

arena®

Binocular
for beginners
with the „+“
in equipment





arena®

Art. No.	4254832
	arena® D+ 8 x 32 B
Magnification	8 x
Objective lens Ø	32 mm
Near point	3 m
Field of view	122 m/1000 m
Prisms	BaK-4
Coating	Full multi-layer coating
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	Carrying case, comfort carrying strap made of neoprene, dust covers
Warranty	5 years

Art. No.	4254842
	arena® D+ 8 x 42 B
Magnification	8 x
Objective lens Ø	42 mm
Near point	3 m
Field of view	107 m/1000 m
Prisms	BaK-4
Coating	Full multi-layer coating
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	Carrying case, comfort carrying strap made of neoprene, dust covers
Warranty	5 years

Art. No.	4254150
	arena® D+ 10 x 50 B
Magnification	10 x
Objective lens Ø	50 mm
Near point	3 m
Field of view	94 m/1000 m
Prisms	BaK-4
Coating	Full multi-layer coating
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	Carrying case, comfort carrying strap made of neoprene, dust covers
Warranty	5 years

For additional technical data see p. 38

arena® D+ is the ideal binocular for beginners in nature and bird observation, who are looking for a brand model with comprehensive features.

Waterproofness, nitrogen fill, silvered prisms, closer near point, larger field of view - these are just some of the improvements made to the new arena® roof prism model. And all this with the usual compact and yet robust and handy design.

BaK-4 prisms with multi-layer coating provide for sharp and true-to-life images. Its additional silvering ensures a reflexion improved by 4 % and thus a higher light efficiency. Moreover, harmful UV radiation is reflected much worse.

The carrying case and the comfort carrying strap made of neoprene make carrying this lightweight binocular a pleasure, even on longer explorer trips.

adventure B *active*

Striking
adventurer
with vision





adventure B active

Art. No.	4270826 adventure 8 x 26 B active
Magnification	8 x
Objective lens Ø	26 mm
Near point	2.5 m
Field of view	105 m/1000 m
Prisms	BaK-4
Coating	Full multi-layer coating
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	Padded carrying strap, one-piece ocular and objective lens protective covers and protective case
Warranty	5 years

Art. No.	4270126 adventure 10 x 26 B active
Magnification	10 x
Objective lens Ø	26 mm
Near point	2.5 m
Field of view	96 m/1000 m
Prisms	BaK-4
Coating	Full multi-layer coating
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	Padded carrying strap, one-piece ocular and objective lens-protective covers and protective case
Warranty	5 years

For additional technical data see p. 38

If you don't want to miss anything during your outdoor adventure, a binocular is a must in your equipment for your tour – a robust one, one that tolerates shocks and dampness: just adventure B active.

Not only men will love its angular and distinguished form. Women also like the benefits of its robust and expressive forms.

This tough adventurer is always ready for mischief. On land, in the water and in the air.

It is waterproof and extremely robust, adventure B active walks every path with you. Too special for people who love the outdoors if the sun shines only.

The BaK-4 prisms and the lenses with full multi-layer coating provide for the necessary optical quality.

Robust leisure-time binocular supports explorer teams.

Eschenbach Optik is the official supplier of the Land Rover Experience Tour, supplying the candidates of this off-road adventure with rugged binoculars.





adventure B active

Art. No.	4270842 adventure 8 x 42 B active
Magnification	8 x
Objective lens Ø	42 mm
Near point	3 m
Field of view	114 m/1000 m
Prisms	BaK-4
Coating	Full multi-layer coating
Waterproof	yes
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	Padded carrying strap, one-piece ocular and objective lens protective covers, tripod thread and protective case
Warranty	5 years

adventure 8 x 42 B active – The „big one“ for an extreme vision.

Even more robust, waterproof, of course, and filled with nitrogen - it meets any challenge. Features such as the one-piece dust covers, the special tripod thread covers and the protective hard case make our adventure 8 x 42 B active a must for all outdoor activities!

Tough, distinctive, good grip - a true adventurer!

Art. No.	4295825 adventure 8 x 25 B active
Magnification	8 x
Objective lens Ø	25 mm
Near point	5 m
Field of view	105 m/1000 m
Prisms	BK-7
Coating	Full multi-layer coating
Waterproof	yes
Nitrogen fill	no
Spectacle eyepieces	yes
Accessories	Dust covers, Nylon case with belt loop
Warranty	5 years

For the little adventure in between

Small but powerful! – Thanks to its ergonomic form and handy design, our monocular adventure B active is always at hand. So, your adventure is at your sight - anywhere and any time. And when it comes to robustness and waterproofness, it can compete with the "big ones". Its dust covers and nylon case with belt loop protect the "little one" from the elements.

You perfect companion!



Spotting scopes

Art. No.	46301
Magnification	trophy® S 15-45 x 60 B
Objective lens Ø	15-45 x zoom
Near point	60 mm
Field of view	5 m
Prisms	44-22 m/1000 m
Coating	BaK-4
Waterproof	Full multi-layer coating
Nitrogen fill	yes
Spectacle eyepieces	yes
Accessories	Transport case
Warranty	10 years

trophy® S zoom

- Find your desired objects easily through the „fix finder“ view finder.
- Resistant to the elements because it is filled with nitrogen and waterproof.

Art. No.	46311
Magnification	vektor S 20-60 x 70 B
Objective lens Ø	20-60 x zoom
Near point	70 mm
Field of view	6.5 m
Prisms	32-18 m/1000 m
Coating	BK-7
Waterproof	Full multi-layer coating
Nitrogen fill	no
Spectacle eyepieces	no
Accessories	yes
Warranty	Aluminium transport case
	10 years

vektor S zoom

- Comfortable observation through continuously adjustable eyepiece.

For further technical data see p. 38



- Relaxed observation.
- Can be used with (sun) glasses too through adjustable spectacle eyepiece.
- Quick readjusting of magnification via zoom function, for example when the observed object moves.
- No blurred image through provided tripod or table tripod thread.
- Easy transport through compact design and provided aluminium transport case or bag.



vektor

Art. No.	4229821
	vektor 8 x 21
Magnification	8 x
Objective lens Ø	21 mm
Near point	2 m
Field of view	123 m/1000 m
Prisms	BaK-4
Coating	Full multi-layer coating
Waterproof	no
Nitrogen fill	no
Spectacle eyepieces	no
Accessories	Belt case, protective covers and carrying cord
Warranty	5 years

Art. No.	4229125
	vektor 10 x 25
Magnification	10 x
Objective lens Ø	25 mm
Near point	3 m
Field of view	91 m/1000 m
Prisms	BaK-4
Coating	Full multi-layer coating
Waterproof	no
Nitrogen fill	no
Spectacle eyepieces	no
Accessories	Belt case, protective covers and carrying cord
Warranty	5 years

Art. No.	42291
	vektor 5-15 x 21
Magnification	5-15 x zoom
Objective lens Ø	21 mm
Near point	2.5 m
Field of view	105-52 m/1000 m
Prisms	BaK-4
Coating	Full multi-layer coating
Waterproof	no
Nitrogen fill	no
Spectacle eyepieces	no
Accessories	Belt case, protective covers and carrying cord
Warranty	5 years

Design „2000 +“: The vektor series

Binoculars with extraordinary design that attract attention through their compact and dynamic form. Dynamic, sporty, handy – almost a roadster for your eyes!

Experience binocular users will be impressed too, not only from its appearance but also from its optical mechanical quality. It delivers outstanding value for money: The porro compact lens systems features full multi-layer coating and BaK-4 prisms providing a sharp and true-colour image.

Available as a compact 8 x 21 model, as 10 x 25 for higher magnification requirements and as 5-15 x zoom for variable magnification.





viva

Art. No.	84160615
	viva V6
Magnification	6 x
Objective lens Ø	15 mm
Near point	3 m
Field of view	157 m/1000 m
Prisms	BK-7
Coating	Full magenta coating
Watertight	no
Nitrogen fill	no
Spectacle eyepieces	no
Accessories	Wrist strap, belt case

Art.No.	8416112 / 8416122 / 8416132
	viva Gala
Magnification	6 x
Objective lens Ø	15 mm
Near point	3 m
Field of view	157 m/1000 m
Prisms	BK-7
Coating	Full magenta coating
Waterproof	no
Nitrogen fill	no
Spectacle eyepieces	no
Accessories	Wrist strap, belt case

For additional technical data see p. 38

viva V6 is a smart companion for all sports and culture events, especially in the outdoors.

This featherweight is extremely flat, extremely easy to use and can be carried easily with its wrist strap or flat belt case.

Due to its metallic coloured covering it also tolerates the odd shock in the crowd or a push from your neighbour. viva V6 provides a great view of your stars from the "cheap places" too!, No need to sit in the first row to be close to the events on stage!

Available in 2-pack.

viva Gala – be upfront with glamorous design!

viva V6 is a classy companion for all music and culture events, especially in the open air. High-quality piano finish in black and white enhances a very special elegant appearance and makes this flat dynamic binocular a real eye-catcher, ideally suited for the opera or theatre.

Boring opera glasses are history – this viva Gala festival binocular is trendy!

Available in 2-pack.

2 x black	8416112
2 x white	8416122
1 x black/1 x white	8416132



microlux

Monoculars



Art. No.	4294413
	microlux 4 x 13
Magnification	4 x
Objective lens Ø	13 mm
Near point	2 m
Field of view	225 m/1000 m
Prisms	BK-7
Coating	Full magenta coating
Waterproof	no
Nitrogen fill	no
Spectacle eyepieces	no
Accessories	Carrying cord and case
Warranty	5 years

Extremely little, extremely light. Monoculars are becoming more and more popular. Be it nature observation or a museum visit – a monocular is easy to carry in your shirt pocket, it is quick at hand and very easy to use – also in the theatre.

The smallest of our monoculars.

Observation at your fingertip: Its optics assembly is protected by a small plastic housing of only 48 x 25 x 38 mm and extends into an observation position by a slight finger push. So, our microlux is a very small, light and handy companion in the outdoors or in the museum or theatre.

Turned around, the microlux monocular can be used as a pocket magnifier with 3-times magnification.





start®/club®

Art. No.	4294618
Magnification	microlux 6 x 18
Objective lens Ø	6 x 18 mm
Near point	2 m
Field of view	142 m/1000 m
Prisms	BK-7
Coating	Full magenta coating
Waterproof	no
Nitrogen fill	no
Spectacle eyepieces	no
Accessories	Carrying cord and case
Warranty	5 years

Art. No.	42928211
Magnification	start® Monofold
Objective lens Ø	8 x 21 mm
Near point	2 m
Field of view	113 m/1000 m
Prisms	BK-7
Coating	Full magenta coating
Waterproof	no
Nitrogen fill	no
Spectacle eyepieces	no
Accessories	Belt case
Warranty	5 years

Art. No.	4293616	4293816
Magnification	club® M 6 x 16	club® M 8 x 16
Objective lens Ø	6 x 16 mm	8 x 16 mm
Near point	1.5 m	2 m
Field of view	140 x 108 m/1000 m	122 x 94 m/1000 m
Prisms	BK-7	BK-7
Coating	Full magenta coating	Full magenta coating
Waterproof	no	no
Nitrogen fill	no	no
Spectacle eyepieces	no	no
Accessories	Leather case	Leather case
Warranty	5 years	5 years

For additional technical data see p. 38

start® Monofold – Even smaller, even lighter

Extremely small porro prisms are arranged within a housing of shockproof plastic so that when folded flat its dimensions are only about 7 x 4.5 x 2 cm.

Its optical assembly with full blue coating features a great image quality and a short near point of 2 m despite its small size.

club® M – Extraordinary in technology and design

Its black rubber armour is discreet but provides good grip and allows easy single-hand operation of the slide focus. Its fully coated optical unit provides a new visual experience through its rectangular panorama field of view.

A near point of 1.5 metres with the 6 x 16 and of 2 metres with the 8 x 16 allows magnifying close-up observation.



collezione la scala

Art. No. 44601
Description matt black with silver eyepiece bridges
Magnification 3 x
Objective lens Ø 18 mm
Accessories black synthetic leather case

Art. No. 44602
Description shimmering pearly white
Magnification 3 x
Objective lens Ø 18 mm
Accessories black synthetic leather case

Art. No. 44603
Description brilliant pearly gold
Magnification 3 x
Objective lens Ø 18 mm
Accessories black synthetic leather case

Countless men and women go to the opera,
the theatre, concerts, see cabarets or musicals.
And almost all of them face the same problem:
They do not sit in the first row.
To get yet the best possible impression
and enjoy every detail, the motto must be:
Only with an opera glass!



glamour

Art. No.	44431	44441	44411	44421
Description	shimmering pearly white	brilliant pearly gold	glossy night blue	with a fancy burgundy red china effect finish
Magnification	3 x	3 x	3 x	3 x
Objective lens Ø	25 mm	25 mm	25 mm	25 mm
Accessories	black synthetic leather case	black synthetic leather case	black synthetic leather case	black synthetic leather case



Opera glass with chain

Art. No.	44691
Magnification	3 x
Objective lens Ø	25 mm
Accessories	Case

Black and golden opera glass with chain in cord design. Decorative companion for each theatre, musical or opera visit. Chain not detachable.



magno® XF

Handy, small and especially good value folding binocular for hiking tours, on holidays and city tours.

Art. No.	84172821
	magno® XF 8 x 21
Magnification	8 x
Objective lens Ø	21 mm
Near point	4 m
Field of view	126 m/1000 m
Prisms	BK-7
Coating	Full magenta coating
Waterproof	no
Nitrogen fill	no
Spectacle eyepieces	no
Accessories	Belt case, Carrying cord

Art. No.	84172125
	magno® XF 10 x 25
Magnification	10 x
Objective lens Ø	25 mm
Near point	4 m
Field of view	101 m/1000 m
Prisms	BK-7
Coating	Full magenta coating
Waterproof	no
Nitrogen fill	no
Spectacle eyepieces	no
Accessories	Belt case, Carrying cord

For further technical data see p. 38



Accessories

Carrying strap

Art.No. 419979

Comfort carrying strap

Art.No. 419980

Comfort carrying strap made of especially soft neoprene with handy snap lock for quick fastening and release.

Tripod floor stand

Art.No. 4680

Robust tripod for comfortable observations. 3D panorama head for continuous adjustment. Integrated bubble level and quick connector. Large, well designed handle grip. Height adjustment of centre column through crank. Secure fastening through friction brake and locking screws.








Legs made of box sections (27 mm), with quick fasteners. Bracing and rubber feet with steel tips for secure standing.








Including tripod screw fastener for binoculars and handy carrying bag.

Height 65-160 cm, weight 1.820 g.









Technical data









Optical properties in accordance with DIN 58386 58388



	 farlux® SELECTOR D 8,5 x 45 B	 farlux® SELECTOR V 8-15 x 35 B	 farlux® F-B silver 8 x 24 B	 farlux® F-B silver 10 x 28 B	 regatta® 8 x 42 B	 bison® 8 x 42 B	 bison® 8 x 25 B
Article number	4274845	42741	42848241	42841281	4250842	4253842	4253825
Magnification	8.5 x	8-15 x zoom	8 x	10 x	8 x	8 x	8 x
Objective lens Ø (mm)	45	35	24	28	42	42	25
Exit pupil (mm)	5.3	4.4-2.3	3.0	2.8	5.25	5.25	3.1
Geometric light intensity	28.0	19.4-5.3	9.0	7.8	27.6	27.6	9.8
Twilight factor	19.6	16.7-22.9	13.9	16.7	18.3	18.3	14.1
Spectacle eyepieces	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Pupillar back focal length min./max. (mm)	3/13	2/12	3/11	3/11	5/15	5/15	4/15
Pupillar distance min./max. (mm)	58/74	56/74	35/72	35/72	60/70	60/70	60/70
Field of view m / 1,000 m	117	91-70	109	86	113	113	96
Near point (m)	3	3	3	4	2.5	2.5	2
Height x width x depth (mm)	158 x 135 x 55	155 x 129 x 56	99 x 103 x 44	109 x 108 x 43	161 x 135 x 57	161 x 135 x 66	113 x 118 x 45
Weight w/o case (g)	810	900	250	260	714	714	345
Nitrogen fill / waterproof	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Prisms	BaK-4, phase-corrected high-reflexion prisms, "nature-bright"	BaK-4, SK15, phase-corrected high-reflexion prisms, "nature-bright"	BaK-4, phase-corrected, "nature-bright"	BaK-4, phase-corrected, "nature-bright"	BaK-4, BK-7, phase-corrected high-reflexion prisms, "nature-bright"	BaK-4, BK-7, phase-corrected high-reflexion prisms, "nature-bright"	BaK-4, BK-7, phase-corrected
Coating	High-transmission multi-layer coating	"flat" full multi-layer coating	High-transmission multi-layer coating, "anti-raindrop"	High-transmission multi-layer coating, "anti-raindrop"	High-transmission multi-layer coating	High-transmission multi-layer coating	Full multi-layer coating
Warranty	10 years	10 years	10 years	10 years	10 years	10 years	5 years
Page number	7	8	9	9	11	13	13

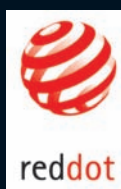
	 sektor F 8 x 22 Ww	 sektor F 10 x 25 Ww	 sektor D 8 x 32 B compact	 sektor D 10 x 42 B compact	 sektor D 8 x 56 B compact	 club® 8 x 20 B	 club® 10 x 25 B
Article number	4288822	4288125	4272832	4272142	4272856	4264820	4264125
Magnification	8 x	10 x	8 x	10 x	8 x	8 x	10 x
Objective lens Ø (mm)	22	25	32	42	56	20	25
Exit pupil (mm)	2.75	2.5	4.0	4.2	7.0	2.5	2.5
Geometric light intensity	7.6	6.25	16.0	17.6	49.0	6.25	6.25
Twilight factor	13.3	15.8	16.0	20.5	21.1	12.6	15.8
Spectacle eyepieces	No	No	Yes	Yes	Yes	Yes	Yes
Pupillar back focal length min./max. (mm)	3/8	2/7	8/13	8/14	7/15	3/11	3/11
Pupillar distance min./max. (mm)	30/74	30/74	59/73	59/73	57/70	56/74	56/74
Field of view m / 1,000 m	143	114	131	105	122	119	95
Near point (m)	3	3	4	4	4	1.6	2.5
Height x width x depth (mm)	100 x 105 x 42	100 x 106 x 40	130 x 125 x 55	152 x 127 x 55	188 x 146 x 71	96 x 105 x 42	118 x 105 x 42
Weight w/o case (g)	260	270	790	820	1390	220	230
Nitrogen fill / waterproof	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Prisms	BaK-4	BaK-4	BaK-4	BaK-4	BaK-4	BaK-4, phase-corrected	BaK-4, phase-corrected
Coating	Full Combi-Coating	Full Combi-Coating	Full multi-layer coating	Full multi-layer coating	Full multi-layer coating	Full multi-layer coating	Full multi-layer coating
Warranty	5 years	5 years	5 years	5 years	5 years	5 years	5 years
Page number	18	18	19	19	19	21	21

	 trophy® S 15-45 x 60 B	 vektor S 20-60 x 70 B	 vektor 8 x 21	 vektor 10 x 25	 vektor 5-15 x 21	 viva V6	 viva Gala
Article number	46301	46311	4229821	4229125	42291	84160615	8416112
Magnification	15-45 x zoom	20-60 x zoom	8 x	10 x	5-15 x zoom	6 x	6 x
Objective lens Ø (mm)	60	70	21	25	21	15	15
Exit pupil (mm)	4.0-1.3	3.5-1.2	2.6	2.5	4.2-1.4	2.5	2.5
Geometric light intensity	16-1.7	12.3-1.4	6.9	6.25	17.6-2.0	6.3	6.3
Twilight factor	30-52	37.4-64.8	13.0	15.8	10.3-17.8	9.5	9.5
Spectacle eyepieces	Yes	Yes	No	No	No	No	No
Pupillar back focal length min./max. (mm)	2/12	3/13	5/10	2/10	2/10	3/7	3/7
Pupillar distance min./max. (mm)	Mono	Mono	61/71	60/74	60/73	57/72	57/72
Field of view m / 1,000 m	44-22	32-18	123	91	105-52	157	157
Near point (m)	5	6.5	2	3	2.5	3	3
Height x width x depth (mm)	110 x 75 x 420	120 x 75 x 315	80 x 104 x 44	108 x 109 x 53	95 x 110 x 50	82 x 100 x 33	82 x 100 x 33
Weight w/o case (g)	995	1796	180	320	180	100	100
Nitrogen fill / waterproof	Yes	No	No	No	No	No	No
Prisms	BaK-4	BK-7	BaK-4	BaK-4	BaK-4	BK-7	BK-7
Coating	Full multi-layer coating	Full multi-layer coating	Full multi-layer coating	Full multi-layer coating	Full multi-layer coating	Full magenta coating	Full magenta coating
Warranty	10 years	10 years	5 years	5 years	5 years	–	–
Page number	29	29	30	30	30	31	31

							
trophy® D 8 x 32 B	trophy® D 7 x 42 B	trophy® D 10 x 50 B	trophy® P 8 x 40 B	trophy® P 10 x 50 B	trophy® P 8 x 56 B	trophy® F 8 x 25 B	trophy® F 10 x 25 B
4282832	4282742	4282150	4237840	4237150	4237856	42878252	42871252
8 x	7 x	10 x	8 x	10 x	8 x	8 x	10 x
32	42	50	40	50	56	25	25
4.0	6.0	5.0	5.0	5.0	7.0	3.1	2.5
16.0	36.0	25.0	25.0	25.0	49.0	9.6	6.25
16.0	17.1	22.4	17.9	22.4	21.1	14.1	15.8
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4/13	12/23	4/16	5/15	4/14	3/10	4/14	4/14
59/73	59/73	59/73	59/71	59/71	59/71	34/75	34/75
131	114	88	143	114	102	92	87
2	3	4	4	8	8	2	2
124 x 127 x 53	156 x 130 x 54	171 x 133 x 60	135 x 89 x 58	173 x 193 x 62	180 x 198 x 60	110 x 106 x 40	110 x 106 x 40
680	761	863	990	1150	1190	300	300
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BaK-4	BaK-4	BaK-4	BaK-4	BaK-4	BaK-4	BaK-4	BaK-4
Full multi-layer coating	Full multi-layer coating	Full multi-layer coating	Full multi-layer coating	Full multi-layer coating	Full multi-layer coating	Full multi-layer coating	Full multi-layer coating
10 years	10 years	10 years	10 years	10 years	10 years	10 years	10 years
15	15	15	16	16	16	17	17

							
club® W	arena® D+ 8 x 32 B	arena® D+ 8 x 42 B	arena® D+ 10 x 50 B	adventure 8 x 26 B active	adventure 10 x 26 B active	adventure 8 x 42 B active	adventure 8 x 25 B active
4265825	4254832	4254842	4254150	4270826	4270126	4270842	4295825
8 x	8 x	8 x	10 x	8 x	10 x	8 x	8 x
25	32	42	50	26	26	42	25
3.1	4.0	5.25	5.0	3.25	2.6	5.25	3.13
9.8	16.0	27.6	25.0	10.6	6.8	27.6	9.8
14.1	16.0	18.3	22.4	14.4	16.1	18.3	14.1
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4/15	4/12	4/12	4/12	4/10	4/11	5/13	3/9
60/70	58/74	58/74	58/74	54/74	54/74	56/74	Mono
96	122	107	94	105	96	114	105
2	3	3	3	2.5	2.5	3	5
113 x 118 x 45	125 x 128 x 50	153 x 138 x 54	172 x 146 x 60	102 x 113 x 43	102 x 114 x 43	142 x 130 x 52	106 x 36 x 44
345	550	690	740	290	295	750	100
Yes	Yes	Yes	Yes	Yes	Yes	Yes	No / Yes
BaK-4, BK-7, phase-corrected	BaK-4	BaK-4	BaK-4	BaK-4	BaK-4	BaK-4	BK-7
Full multi-layer coating	Full multi-layer coating Silvering	Full multi-layer coating Silvering	Full multi-layer coating Silvering	Full multi-layer coating	Full multi-layer coating	Full multi-layer coating	Full multi-layer coating
5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years
23	25	25	25	27	27	28	28

							
viva Gala	microlux 4 x 13	microlux 6 x 18	club® M 6 x 16	club® M 8 x 16	start® Monofold	magno® XF	magno® XF
8416122	4294413	4294618	4293616	4293816	4292821	84172821	84172125
6 x	4 x	6 x	6 x	8 x	8 x	8 x	10 x
15	13	18	16	16	21	21	25
2.5	3.3	3.0	2.7	2.0	2.6	2.6	2.5
6.3	10.5	9.0	7.1	4.0	6.9	6.9	6.25
9.5	7.2	10.4	9.8	11.3	13.0	12.9	15.8
No	No	No	No	No	No	No	No
3/7	-	-	-	-	-	2/8	2/9
57/72	Mono	Mono	Mono	Mono	Mono	32/74	32/74
157	225	142	140 x 108	122 x 94	113	126	101
3	2	2	1.5	2	2	4	4
82 x 100 x 33	41 x 27 x 49	46 x 28 x 81	26 x 37 x 84	26 x 37 x 84	48 x 23 x 71	90 x 109 x 38	110 x 110 x 37
100	46	78	68	68	96	215	245
No	No	No	No	No	No	No	No
BK-7	BK-7	BK-7	BK-7	BK-7	BK-7	BK-7	BK-7
Full magenta coating	Full magenta coating	Full magenta coating	Full magenta coating	Full magenta coating	Full magenta coating	Full magenta coating	Full magenta coating
-	5 years	5 years	5 years	5 years	5 years	-	-
31	32	33	33	33	33	36	36



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