

**LENSOLUX**

SKU	Designation	French Law	Length (cm)	Weight (g)	Magnification Min	Objectif Diam. (mm)	Colors	MSRP
OP01956	Lensolux Binoculars 9 x 63	Vente libre	19	1360	9x	63 mm	Black	444.00-€ incl. tax 355.20 € incl. tax

Big angle !

- Compact tubular binoculars with large aperture (63 mm) for low light observation.
- Specifically studied for hut hunting (gabion) and animal watching.
- Twilight index: 23.8.
- Multilayer cemented optical treatment.
- Field of vision: 5.1 ° or 92 m to 1000 m.
- Rotating telescopic eyecups made of rubber.
- Screw in 1/4 " photo for fixing on a tripod.
- Supplied with Cordura cover, carrying strap and optical cloth.
- Adjustment by central wheel and right eye by rotary eyepiece.
- Anti-shock green rubber coating.
- Eye protection and lenses.

Calculation of the twilight index: square root of the product of magnification and diameter. For 8x42 binoculars, this is the root of 8x42, that is, the root of 336 = 18.3.

The higher the crepuscular index, the better. Indeed, the higher this index is, the more we will see details. There is another criterion for binocular clarity: brightness.

The brightness is obtained by squaring the diameter of the exit pupil ($42/8 = 5.25$ mm), that is to say by multiplying it by itself. In our example, the relative brightness is: $5.25 \times 5.25 = 27.6$. The higher this value, the better. When less than 15, binoculars are especially suitable for daytime use. Binoculars with a twilight index greater than 25 may be called night binoculars. The limit is however fuzzy. A high crepuscular index combined with low brightness (12x40 binoculars have a twilight index of 21.9 but a brightness of 11.1) will be difficult to handle.

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