



WALDBERG™

Item number	Designation	Category	Weight (g)	Magnification Min	Objectif Diam. (mm)	Color	MSRP	
OP01952W	Binoculars 10 x 42 Waterproof	Free sale	650	10x	42 mm	Green	185 € incl. tax	Disponible

Versatile hunting binoculars!

- Roof prism, anti-shock rubberized body, telescopic eyecups by screwing, multilayer treatment, good optical quality.
- Twilight index: 20.5 - brightness: 27.6.
- Field at 1000 m: 101 m.
- Output pupillary diameter: 4.2 mm.
- Comes with a binocular strap, a case strap, a Cordura case and an optical cloth.

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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