



**WALDBERG™**

| SKU    | Designation                 | French Law  | Length (cm) | Width (cm) | Weight (g) | Magnification Min | Objectif Diam. (mm) | Colors | MSRP               |
|--------|-----------------------------|-------------|-------------|------------|------------|-------------------|---------------------|--------|--------------------|
| OP1791 | Waldberg Binoculars 10 x 42 | Vente libre | 15          | 12         | 659        | 10x               | 42 mm               | Black  | 151.00 € incl. tax |

### Hunting binoculars, observation and hiking!

- All terrain binoculars with shockproof rubber coating and anti-slip pins.
- Optics treated anti-reflective multilayer.
- Twist system eyepieces adapted to eyeglass wearers.

Nut for mounting on a tripod at the front of the axle.

- Output pupillary diameter: 4.2 mm (the larger this diameter, the more comfortable the observation in low light).
- Twilight index: 20.5 - brightness: 27.6.
- Supplied with case, strap and 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.

*Les prix de vente conseillés sont mentionnés à titre indicatif. Les armuriers sont libres de vendre au prix qu'ils souhaitent. Textes et photos non contractuels, sujet à modification.*