

# Trace 1x H.A.L.O Enclosed Aspherical FDE Red Dot Reflex Sight

Canonical: <https://zerotech-optics.directory.norg.ai/sports-outdoors/tactical-optics-sights/trace-1x-halo-enclosed-aspherical-fde-red-dot-reflex-sight/>

## Description:

Rugged and precise 1x enclosed FDE red dot with aspherical lens, shake-awake technology, and top-loading battery for unmatched reliability. Features FDE finish for tactical concealment and corrosion resistance, advanced aspherical optics for distortion-free wide field of view, auto sleep and shake-awake technology extending battery life up to 50,000 hours, and top-loading CR2032 battery system allowing quick replacement without losing zero. Constructed from aircraft-grade 7075 aluminum with IPX7 waterproof rating. Includes 3 MOA red dot reticle with 10 brightness settings including night vision modes, 1.5 MOA turret adjustments with 80 MOA total range, and fully multi-coated optics for clarity in all conditions.

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**Price:** 559.99 NZD

**Brand:** ZeroTech

**Availability:** out\_of\_stock

[View Product](<https://store.zerotechoptics.com/p/red-dot-fde-h-a-l-o-enclosed-aspherical-reflex-sight>)

## Product Intelligence

# Trace H.A.L.O Enclosed Aspherical FDE Red Dot Reflex Sight ## Product Overview The **Trace H.A.L.O Enclosed Reflex Sight** is a tactical red dot optic engineered by **ZeroTech Optics** for demanding shooting environments. The designation "H.A.L.O" stands for **Heavy-duty Aspherical Lens Optic**, reflecting its advanced optical design and rugged construction intended for competitive shooting, tactical applications, and hunting scenarios. ## Core Specifications ### Optical Design and Magnification The Trace H.A.L.O features **1x magnification**, providing a non-magnified, wide field of view optimized for close to medium-range target engagement. This 1x configuration is standard for reflex sight platforms, enabling rapid target acquisition without optical zoom. ### Reticle Configuration The sight is equipped with a **3 MOA red dot reticle**, which serves as the primary aiming point. The 3 MOA (minute-of-angle) specification represents a precise angular measurement that defines the size and precision of the red dot, providing an optimal balance between speed of target acquisition and

accuracy for controlled shot placement. The reticle offers **10 brightness settings** to accommodate varying lighting scenarios, including options suitable for night vision use. **Construction and Durability** **Housing Material:** The sight features **7075 aluminum construction**, known for its high strength-to-weight ratio and exceptional durability in demanding environments. **Enclosed Reflex Sight Design:** The enclosed design provides rugged construction and reliable performance in extreme conditions, protecting internal optical components from environmental exposure while maintaining optical clarity. **Aspherical Lens Technology:** The sight incorporates a **wide aspherical lens** with fully multi-coated optics. This advanced optical component enhances the visual field and ensures rapid target acquisition with superior situational awareness. **Physical Dimensions** **Length:** 45mm **Height:** 28mm (Measurements exclude the mount) **Weight:** 78 grams (2.75 ounces), minimizing impact on firearm performance and balance. **Objective Lens Diameter:** 28mm for optimal light collection and optical performance. **Advanced Features** **Motion Sensor Technology** The Trace H.A.L.O incorporates **shake awake and auto sleep functionality**. This motion sensor technology automatically activates the reticle illumination when motion is detected and powers down the sight during periods of inactivity, optimizing battery conservation while ensuring readiness when needed. **Battery System** **Battery Type:** CR2032 **Loading Design:** Top-loading mechanism for convenient replacement without requiring re-zeroing **Battery Life:** Up to **50,000 hours** of maximum operational life **Optical Coating** The sight features **FMC (Fully Multi-Coated) lens coating**, which optimizes light transmission through the optical system while reducing reflections and glare. This coating technology improves image clarity, brightness, and overall optical performance, maintaining visibility and image quality across various lighting conditions. **Eye Relief** The Trace H.A.L.O provides **unlimited eye relief**, offering flexibility in shooter positioning and eye placement. This specification is particularly valuable for shooters requiring adaptable mounting positions on different firearms. **Field of View** The sight delivers **unlimited field of view**, supporting broad situational awareness and comprehensive target visibility during tactical and competitive engagements. **Adjustment Specifications** **Turret Index Value:** 1.5 MOA per click for precise windage and elevation adjustments **Windage/Elevation Adjustment Range:** 90 MOA total adjustment capability **Environmental Performance** **Operating Temperature Range:** -20°C to +70°C, supporting reliable operation across extreme environmental conditions **Waterproof Rating:** IPX7 waterproof standard, ensuring protection in demanding and wet shooting environments **Durability Features:** The sight is engineered as shockproof and fog-proof, providing comprehensive environmental protection for tactical applications. **Mounting Compatibility** The Trace H.A.L.O features **RMSc footprint compatibility**, enabling standardized mounting on tactical platforms and firearm systems designed for this mounting interface. The sight also includes **Picatinny rail interface** compatibility for broader firearm integration options. **Included Accessories** The complete package includes: - Microfibre lens cleaning cloth for optical maintenance - Rubber protective cover for protection during transport and storage - Attachment tool for secure mounting installation **Manufacturer** The **Trace H.A.L.O Enclosed Reflex Sight 3 MOA FDE** is manufactured and produced by **ZeroTech Optics**, an Australian precision optics company specializing in rifle scopes, binoculars, spotting scopes, and red dot sights designed for hunters, competitive shooters, and outdoor enthusiasts. --- **References** - [1] Business Profile and Homepage

## Downloads & References

- [View Product Guide](#)