



Lumibird Medical Unveils ASTRAL® at ESCRS 2026: The First Non-contact SLT Platform featuring OCT Visualization system for Precision Glaucoma Treatment

Cournon d'Auvergne, France – September 12, 2026 – Lumibird Medical, a global leader in ophthalmic diagnostic and therapeutic solutions, today announced the launch of **ASTRAL®**, a contactless Selective Laser Trabeculoplasty (SLT) platform with an integrated OCT visualization system to transform glaucoma treatment. The unveiling takes place at the European Society of Cataract and Refractive Surgeons (ESCRS) Congress 2026.

As Selective Laser Trabeculoplasty continues to gain popularity as a first-line treatment for glaucoma and ocular hypertension, clinicians are seeking solutions that improve accuracy, results, and patient experience. ASTRAL® addresses these needs by combining integrated anterior chamber OCT scans with a lens-free transscleral SLT delivery system, enabling physicians to visualize, target, and treat the trabecular meshwork with unprecedented confidence.

Unlike traditional SLT systems, ASTRAL® incorporates real-time OCT visualization directly into the treatment workflow. The platform generates up to 120 radial cross-sectional views of the anterior chamber and displays precise anatomical information for each treatment location, allowing physicians to identify and target the trabecular meshwork accurately and consistently.

Key innovative features include:

- **Lens-Free Transscleral Delivery:** Eliminates the need for a gonioscopy lens and coupling gel, creating a more comfortable and less invasive treatment experience for both patient and physician.
- **Integrated OCT Visualization:** Providing detailed information of the iridocorneal angle and trabecular meshwork for true anatomical targeting for complete clinical confidence.
- **Rapid Treatment Procedure:** “360° laser treatment can be delivered in < 3 seconds, significantly reducing active treatment time compared with the 5-10 minutes typically associated with traditional SLT systems (total procedure time dependent on clinician).”
- **Software:** Democratizes treatment through an intuitive workflow following the treatment pathway: Align, Focus, Acquire, Target and Deliver, enabling clinicians to achieve safe, precise, and confluent SLT delivery.

“ASTRAL® represents a major advance in glaucoma laser therapy”, said **Jean-Marc Gendre, CEO of Lumibird Medical**. “By integrating OCT visualization directly into the SLT treatment workflow, we empower clinicians with greater anatomical confidence, procedural efficiency, and treatment precision. ASTRAL® reflects our commitment to developing innovative technologies that improve both clinical outcomes and the treatment experience for patients and physicians alike.”

ASTRAL® has been developed to help clinicians fully leverage these benefits by improving reproducibility, simplifying treatment delivery, and enabling efficient patient throughput in busy glaucoma practices.



*“As principal investigator of the ASTRAL pilot study, I have been very encouraged by our initial clinical experience with this technology. The procedure has demonstrated a favourable safety profile, and the patient experience has been very positive” explains **Professor Robert Casson, MBBS (Hons), M.Biostat, DPhil, FRANZCO**. “From a clinician’s perspective, the combination of OCT visualization to assist treatment targeting and eye-tracking technology is particularly appealing, allowing rapid treatment without the need for a contact lens. This has the potential to make laser trabeculoplasty simpler and more accessible while maintaining precise treatment delivery with visual confirmation of the target.”*

ASTRAL® Laser is CE-marked. Delegates attending **ESCRS 2026** are invited to discover ASTRAL® through live demonstrations at the Lumibird Medical booth.

About Lumibird Medical

Lumibird Medical, the medical division of the Lumibird Group, offers healthcare professionals around the world a wide range of diagnostic and treatment solutions through 3 brands: Quantel Medical, Ellex, and Optotek Medical. In ophthalmology, the group creates innovative medical laser and ultrasound solutions to diagnose and treat the 4 main causes of blindness: cataract, glaucoma, diabetic retinopathy and macular degeneration as well as other pathologies such as dry eye.

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