

# The ALCON LIO

## Featuring PUREPOINT® Laser Technology

(Laser Indirect Ophthalmoscope)

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**Control, Capability, Comfort**



# LIO

Laser Indirect  
Ophthalmoscope



## Control

- Independent control of illumination and laser beams
- Laser beams coaxial with viewing optics – always central in your viewing area
- Illumination intensity control
- Light aperture selection allows adjustment for patients pupil size
- Illumination elevation adjustment giving the user more maneuverability and functionality

## Capability

- High powered LED light source
- 16' / 5m armored fiber optic cable – greater freedom of movement
- Wireless LIO, long lasting quick change Lithium batteries
- Wall mountable battery charging station for easy re-charge
- Filter selection options – Clear (no filter), Blue, Red-free, Diffused
- RFID compatible

## Comfort & Safety

- Headband with size and height adjustments to optimize fit and comfort
- A built-in Doctor Protection Filter protects the operator from incidental reflections of the laser beam.
- Independent inter-pupillary distance adjustment

## Specifications

<b>Catalog No.</b>	8065752987
<b>Dimensions</b>	Width: 25.0 cm (9.8 inches) Length: 34.0 cm (13.4 inches) Height: 20.0 cm (7.9 inches)
<b>Net Weight</b> (including fiber optical cable)	<800 g (1.76 lbs)
<b>Ophthalmoscope</b>	Illumination Intensity: 6500 Lux +/-500 Illumination patch sizes: 18/34/43mm +/-5% (Measurements taken at 280mm from the center of the dichroic mirror.) Interpupillary adjustment: 48 to 76mm Ophthalmoscope filters: Red free, Blue and Diffused



The PUREPOINT® LIO must be installed by an Alcon trained representative for power output verification prior to the initial use. To schedule installation, contact the Alcon Technical Services Department at 800-832-7827. Outside the USA, contact your local Alcon Affiliate.

### PUREPOINT® Laser Important Product Information

**Caution:** Federal (USA) law restricts this device to sale by, or on the order of, a physician.

**Indications for Use:** The PUREPOINT® Laser is indicated for use in photocoagulation of both anterior and posterior segments of the eye including:

- Retinal photocoagulation, panretinal photocoagulation and intravitreal endophotocoagulation of vascular and structural abnormalities of the retina and choroid including: Proliferative and nonproliferative retinopathy (including diabetic); choroidal neovascularization secondary to age-related macular degeneration; retinal tears and detachments; macular edema, retinopathy of prematurity; choroidal neovascularization; leaking microaneurysms.
- Iridotomy/Iridectomy for treatment of chronic/primary open angle glaucoma, acute angle closure glaucoma and refractory glaucoma.
- Trabeculoplasty for treatment of chronic/primary open angle glaucoma and refractory glaucoma.
- And other laser treatments including: internal sclerostomy; lattice degeneration; central and branch retinal vein occlusion; suturelysis; vascular and pigment skin lesions.

**Contraindications:** Patients with a condition that prevents visualization of target tissue (cloudy cornea, or extreme haze of the aqueous humor of the anterior chamber of vitreous humor) are poor candidates for LIO delivered laser treatments.

### Warnings and Precautions:

- The disposables used in conjunction with ALCON® instrument products constitute a complete surgical system. Use of disposables and handpieces other than those manufactured by Alcon may affect system performance and create potential hazards.
- Attach only Alcon supplied consumables to console and cassette luer fittings. Do not connect consumables to the patient's intravenous connections.
- Mismatch of consumable components and use of settings not specifically adjusted for a particular combination of consumable components may create a patient hazard.
- Back scattered radiation is of low intensity and is not harmful when viewed through a protective filter. All personnel in the treatment room must wear protective eyewear, OD4 or above at 532nm, when the system is in Standby/Ready mode as well as during treatment. The doctor protection filter is an OD greater than 4 at 532nm.

**Complications:** Corneal burns, inflammation, loss of best-corrected visual acuity, loss of visual field and transient elevations in intraocular pressure can occur as a result of ophthalmic laser treatment. Unintentional retinal burns can occur if excessive treatment beam power or duration is used.

**Attention:** Reference the Directions for Use for a complete listing of indications, warnings, and precautions.