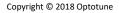
**Operating instructions: EL-3-10** Electrically Tunable Lens Update: 16.04.18





## EL-3-10 Operating instructions

The compact EL-3-10 lens can be driven with Optotune's EL-E-4 lens driver by simply connecting the flex cable of the lens to the Molex connector on the lens driver. In Optotune's software interface, the current to the lens can be adjusted to drive the lens. It's important to note that +/-120 mA are required to tune across the whole optical power range. As the lens driver can output more current, it has to be connected to the PC without the lens connected first. Then, in the "Hardware Configurations" tab, the software limit has to be set to +/-120mA. Afterwards the lens driver can be disconnected, the lens connected to the lens driver and the lens driver connected back to the PC. The current will now only be adjustable from +/-120mA, hence an overdriving of the lens can be prevented.

Coptotune LENS DRIVER 4		0
C Lens Driver Controller File Disconnect Extras Services View Info	- • ×	
Controls Hardware Configuration Log	- optotune	Instructions
Max Current 292.84 mA		1. Connect lens driver to
Kower Software Limit -120.00 mA		the PC without a lens
Upper Software Limit. 120.00 mA		connected
		2. Open the lens driver
		controller software
		3. Go to the hardware
		configurations tab
		4. Set the lower software
		limit to -120mA
Connected Lens Driver SN: AHAB0797 Firmware Version: 1.9.1674 (133899-00-A)		5. Set the upper software
Connected Lens Driver are violated in training elesion. L'STORA (1995-20-24)		limit to 120mA
		6. Close the software win-
C Lens Driver Controller File Disconnect Extras Services View Info	- • ×	dow
Controls Hardware Configuration Log	doptotune	7. Disconnect the lens
Lens Temperature: NA "C		driver
Lens Features:		8. Connect the lens to the
Operation Mode: Current	•	lens driver
Current -120.00 mA	- + Reset	9. Connect the lens driver
		to the PC
		10. Open the lens driver
		controller software
		11. Use the slider to adjust
		the current to the lens
Connected Lens Driver SN: AHAB0797 Firmware Version: 1,9,1674 (13889-00-A)		

## Safety and compliance

The product fulfills the RoHS and REACH compliance standards. The customer is solely responsible to comply with all relevant safety regulations for integration and operation.

For more information on optical, mechanical and electrical parameters, please contact sales@optotune.com.

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