

OSRAM 4052899209640

OSRAM eldoLED Optotronic LED Driver OT Programmer

Model: 4052899209640

1. INTRODUCTION

The OSRAM eldoLED Optotronic LED Driver OT Programmer is a specialized tool designed for programming single, non-DALI OPTOTRONIC LED drivers. This device facilitates quick and efficient configuration of LED drivers using the Tuner4TRONIC software via a standard USB interface. It allows for programming without the need to apply mains voltage to the driver, streamlining the setup process for professional lighting installations. This manual provides essential information for the safe and effective use of your OT Programmer, including setup, operation, maintenance, and technical specifications.



Image 1.1: eldoLED Optotronic OT Programmer with a connected programming cable, showing the USB and programming ports.

2. SAFETY INFORMATION

Please read and understand all safety instructions before operating the device. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Qualified Professionals Only:** This device is intended to be used by qualified professionals only.
- **Read Instructions:** Always read the complete installation and operating instructions before use.
- **No AC Connection:** Do not connect the OT Programmer to an AC (mains) line. The unit is powered exclusively through its USB port.
- **Operating Temperature:** Ensure the ambient temperature range is between 0°C and +50°C (32°F to 122°F) during operation.
- **Compatibility:** This programmer is suitable only for non-DALI OPTOTRONIC devices that utilize the Prog +/- interface.

The device complies with FCC 47 CFR part 15, Class A, IEC 60950-1, and IEC 55022 standards.

3. SETUP

Follow these steps to set up your OT Programmer for use:

3.1. Software Installation

The OT Programmer requires the Tuner4TRONIC software for operation. This software is essential for configuring your LED drivers.

- **Download Software:** Obtain the latest version of the Tuner4TRONIC software from the official eldoLED website. Visit www.eldoLED.com/contact for download links and support.
- **Install Software:** Follow the on-screen instructions to install Tuner4TRONIC on your computer.

3.2. Connecting the Programmer

The OT Programmer is powered and communicates via a standard USB connection.

- **Connect to Computer:** Use a standard USB cable to connect the OT Programmer to an available USB 2.0 port on your computer. The unit will power on automatically.
- **Connect to LED Driver:** Connect the programming cable from the OT Programmer's "Program (+)/(-)" interface to the corresponding Prog +/- interface on the non-DALI OPTOTRONIC LED driver you wish to program.



Image 3.1: Top view of the eldoLED Optotronic OT Programmer, highlighting the USB 2.0 port and the Program (+)/(-) interface.

4. OPERATING INSTRUCTIONS

Once the hardware is connected and the Tuner4TRONIC software is installed, you can proceed with programming your LED drivers.

- **Launch Tuner4TRONIC:** Open the Tuner4TRONIC software on your computer.
- **Device Recognition:** The software should automatically detect the connected OT Programmer and the LED driver. If not, check your connections and ensure the software is up to date.

- **Configure Driver:** Use the Tuner4TRONIC interface to select the desired parameters and settings for your OPTOTRONIC LED driver.
- **Program Driver:** Initiate the programming process through the software. The OT Programmer will transfer the settings to the LED driver. This process is typically very fast.
- **Verify Settings:** After programming, it is recommended to verify the settings within the Tuner4TRONIC software to ensure successful configuration.

5. MAINTENANCE

The OT Programmer is designed for durability and requires minimal maintenance.

- **Cleaning:** Keep the device clean and free from dust. Use a soft, dry cloth for cleaning. Do not use liquid cleaners or solvents.
- **Storage:** Store the programmer in a dry, cool environment when not in use.
- **Cable Care:** Handle USB and programming cables with care to prevent damage to connectors and wires.

6. TROUBLESHOOTING

If you encounter issues with your OT Programmer, refer to the following common troubleshooting steps:

- **Programmer Not Recognized:**
 - Ensure the USB cable is securely connected to both the programmer and the computer.
 - Try a different USB port on your computer.
 - Verify that the Tuner4TRONIC software is correctly installed and up to date.
 - Restart your computer.
- **LED Driver Not Detected:**
 - Confirm that the programming cable is correctly connected to the Prog +/- interface of the LED driver.
 - Ensure the LED driver is a compatible non-DALI OPTOTRONIC device with the Prog +/- interface.
 - Check for any physical damage to the programming cable or the driver's interface.
- **Programming Errors:**
 - Refer to the Tuner4TRONIC software documentation for specific error codes and solutions.
 - Ensure the LED driver is in a ready state for programming.

For persistent issues, contact customer support as detailed in Section 8.

7. SPECIFICATIONS

Feature	Specification
Model Number	4052899209640
Part Number	4052899209640
Nominal Voltage	5.00 V (USB powered)
Mains Frequency	0 Hz (Not connected to AC)

Product Dimensions (L x W x H)	4.7 x 3 x 1.1 inches (119.4 x 76.2 x 27.9 mm)
Product Weight	4 ounces (113.4 grams)
Ambient Temperature Range	0°C to +50°C (32°F to 122°F)
Material	Copper (internal components)
Interface	USB 2.0, Prog +/-
Compatibility	Non-DALI OPTOTRONIC devices with Prog +/- interface
Required Software	Tuner4TRONIC

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official OSRAM or eldoLED website. You can typically find detailed warranty terms and contact information for support services at www.eldoLED.com/contact or through your local OSRAM/eldoLED distributor.

When contacting support, please have your product model number (4052899209640) and any relevant purchase information ready.