

2. SAFETY INSTRUCTIONS

- **Professional Installation:** Installation must be performed by a qualified electrician in accordance with all national and local electrical codes.
- **Disconnect Power:** Always disconnect power at the circuit breaker before installing, servicing, or removing the driver.
- **Proper Grounding:** Ensure the driver is properly grounded to prevent electrical shock.
- **Ventilation:** Install the driver in a location with adequate ventilation to prevent overheating. Do not cover the driver.
- **Load Compatibility:** Ensure the connected LED load is compatible with the driver's output specifications (constant current 1050mA, 4x 57V outputs). Exceeding the maximum load or connecting incompatible loads can damage the driver and LEDs.
- **Environmental Conditions:** Do not expose the driver to moisture, extreme temperatures, or corrosive environments.

3. PRODUCT OVERVIEW

The eldoLED SOLOdrive 1061/S 1050MA LIN is a high-efficiency, constant current LED driver designed for professional lighting applications. It provides precise control over LED luminaires, offering smooth 0-10V dimming capabilities. Its robust metal construction and side-feed design facilitate integration into various fixtures and installations.

Key Features:

- 100W maximum output power.
- Constant current output, factory programmed to 1050mA.
- Four independent 57V outputs.
- 0-10V dimming control (1 control channel).
- Side-feed wiring for streamlined installation.
- Durable square metal housing.

4. SETUP

4.1. Installation

1. **Mounting:** Securely mount the SOLOdrive 1061/S in a suitable enclosure or fixture using appropriate fasteners. Ensure the mounting surface is stable and can support the weight of the driver.
2. **Ventilation:** Position the driver to allow for adequate airflow around the unit. Maintain minimum clearances as specified by local codes and manufacturer guidelines to prevent heat buildup.
3. **Accessibility:** Ensure the driver is accessible for future maintenance or troubleshooting, while also being protected from accidental damage.

4.2. Wiring

All wiring must comply with local and national electrical codes. Refer to the wiring diagram below for proper connections.



Figure 2: Illustrative Wiring Diagram for eldoLED SOLOdrive 1061/S. This diagram typically shows connections for AC input (Line, Neutral, Ground), DC output to LED modules (positive and negative terminals for each of the four channels), and 0-10V dimming control inputs (Dim+ and Dim-).

1. **AC Input Wiring:** Connect the AC mains power supply to the driver's input terminals (Line, Neutral, Ground). Ensure the input voltage is within the driver's specified range.
2. **LED Output Wiring:** Connect the LED modules to the driver's output terminals. The SOLOdrive 1061/S has four independent 57V constant current outputs, each programmed for 1050mA. Ensure correct polarity (+ to + and - to -) for each LED module. Do not exceed the maximum voltage or current rating of the connected LEDs.
3. **0-10V Dimming Control Wiring:** Connect the 0-10V dimming control wires to the designated dimming input terminals on the driver. Ensure correct polarity for the dimming signal. A 0V signal typically corresponds to minimum light output, and a 10V signal to maximum light output.
4. **Verify Connections:** Double-check all wiring connections for security and correctness before applying power. Loose connections can cause intermittent operation or damage.

5. OPERATING INSTRUCTIONS

1. **Power On:** After completing all wiring and safety checks, restore power to the circuit. The connected LEDs should illuminate.
2. **Dimming Control:** Use the connected 0-10V dimming controller to adjust the light output. Varying the voltage from 0V to 10V will proportionally change the brightness of the LEDs.
3. **Normal Operation:** The driver is designed for continuous operation within its specified temperature and load limits. Monitor for any unusual behavior such as flickering or excessive heat.

6. MAINTENANCE

The eldoLED SOLOdrive 1061/S is designed for long-term, reliable operation with minimal maintenance. There are no user-serviceable parts inside the driver.

- **Cleaning:** Periodically inspect the driver for dust accumulation. If necessary, gently clean the exterior with a dry, soft cloth. Do not use liquid cleaners or solvents.
- **Inspection:** Annually inspect wiring connections for any signs of wear, corrosion, or loosening. Ensure proper ventilation is maintained.
- **No User Serviceable Parts:** Do not attempt to open or repair the driver. Doing so will void the warranty and may pose a safety hazard.

7. TROUBLESHOOTING

If you encounter issues with your SOLOdrive 1061/S, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
No light output	<ul style="list-style-type: none"> No AC input power Incorrect wiring Faulty LED module(s) Driver failure 	<ul style="list-style-type: none"> Check circuit breaker and power supply. Verify all input and output wiring connections. Test LED modules with a known good driver. Contact support if driver is suspected faulty.
LEDs flicker or dim erratically	<ul style="list-style-type: none"> Loose wiring connections Unstable 0-10V dimming signal Incompatible dimming controller Overheating 	<ul style="list-style-type: none"> Check all wiring connections for tightness. Verify the 0-10V dimming signal is stable. Ensure dimming controller is compatible. Check for adequate ventilation.
Driver is hot to the touch	<ul style="list-style-type: none"> Insufficient ventilation Overloaded output High ambient temperature 	<ul style="list-style-type: none"> Ensure proper airflow around the driver. Verify LED load does not exceed driver specifications. Relocate driver to a cooler environment if possible.

If the problem persists after attempting these solutions, contact eldoLED technical support or your authorized dealer.

8. SPECIFICATIONS

Feature	Specification
Model Number	SOLOdrive 1061/S 1050MA LIN (SL1061S1 1050MA LIN)
Output Power	100W (Max)
Output Type	Constant Current
Output Current	1050mA (Programmed)
Output Voltage	4x 57V (Max per channel)
Control Interface	0-10V (1 control channel)
Input Voltage	AC (Specific range not provided, refer to product label)
Housing Material	Metal
Form Factor	Square, Side Feed

Feature	Specification
Manufacturer	Acuity (Brand: eldoLED)

9. WARRANTY INFORMATION

For detailed warranty information regarding the eldoLED SOLOdrive 1061/S 1050MA LIN LED driver, please refer to the official warranty statement provided by eldoLED or your authorized distributor at the time of purchase. Warranty terms typically cover defects in materials and workmanship under normal use and service. Unauthorized modifications or improper installation will void the warranty.

10. SUPPORT

If you require technical assistance, have questions about installation, or need to report a product issue, please contact:

- **eldoLED Technical Support:** Refer to the eldoLED official website for the most current contact information, including phone numbers and email addresses for your region.
- **Authorized Dealer:** Contact the dealer or distributor from whom you purchased the SOLOdrive 1061/S for local support and service.

When contacting support, please have your product model number (SOLOdrive 1061/S 1050MA LIN) and any relevant purchase information readily available.