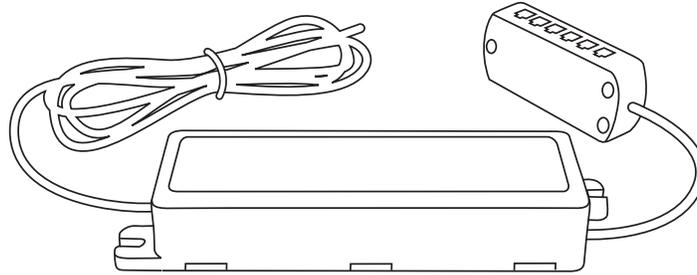


18W Dimmable Driver - 12V ML Connector SA40590

INSTALLATION INSTRUCTIONS

Package Contents

1. 1 x Dimmable Driver
2. 1 x Plug Head
3. Driver Instructions



Important Safety Information

Please read these instructions carefully before attempting to install this product. It is advisable to keep these instructions in a safe place for further reference. These products must not be modified; if any modifications are made, it may invalidate the warranty and may render the product unsafe. **This product is for indoor use only. Keep out of moisture and use only in dry rooms.**

CAUTION: To reduce the risk of fire, electric shock, or injury to persons:

- a) Use only insulated staples or plastic ties to secure cords;
- b) Route and secure cords so that they will not be pinched or damaged;

The National Electrical Code (NEC) does not permit cords to be concealed where damage to insulation may go unnoticed. To prevent fire danger, do not run cord behind walls, ceilings, soffits, or cabinets where it may be inaccessible for examination. Cords should be visually examined periodically and immediately replaced when any damage is noted.

NOTE: For best performance, we recommend a dimmer switch with adjustable low-end trim such as the Lutron DVWCL-153PDH. The driver is to be implemented between the dimmer switch and the lighting. This driver may also be used without a dimmer switch as a standard driver without dimming.

Safety Instructions

Warning: The installation of the electronic driver should be performed by qualified personnel. Failure to mount and wire the electronic driver and the fixture in conformance with applicable codes, standards, and regulations for the intended working environment may cause serious personal injury, death and/or property damage. During installation, power to the electronic driver and the fixture must be disconnected at all times.

This electronic driver can only be used to supply the low voltage LED lamps (DC12V).

Protection against electric shock should be ensured during the installation. The electronic driver is short circuit protected at the secondary side. The lighting loads of the driver must neither exceed nor go below the 1-18W range.

Features

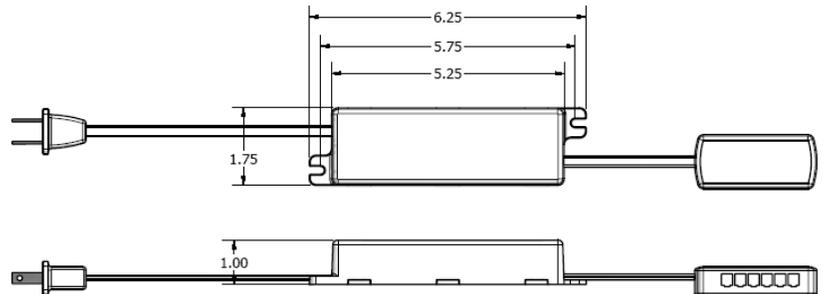
- Dimmable with Reverse (3-wire ELV) and Forward (Triac) Phase Dimmers
- UL 8750 Recognized
- Class 2 Output
- Active PFC
- Constant Voltage Output

Environmental Specifications

Operating Temperature -20 to 45 °C
Storage Temperature -30 to 70 °C
Humidity 5 to 95%
Lifetime 50,000 Hours

Electrical Specifications

Input Voltage 120 VAC \pm 10%
Rated Input Current¹ 215 mA
Input Frequency 60 Hz
Power Factor^{1,2} > 0.90
THD < 20 %
EMI² FCC Title 47CFR, Part 15 Class B
Transient Protection² IEEE C.62.41-1991 Class A
Audible Noise² Class Sound Rating
Nominal Output Voltage 12VDC \pm 7%
Maximum Output Current 1.5A
Output Frequency² \geq 120 Hz
Voltage Ripple < 20%
Output Overload and Open Circuit Protection
Minimum Dimming 10%
Minimum Load with Dimming 12V Model > 1.35W



¹ At full load.

² Meets or exceeds Energy Start power supply requirements.

Warranty Information

This LED driver has a 5 year warranty and a lifetime warranty against defects in quality or workmanship.