



ELD20UNVL

20 watt LED Emergency Driver

- Universal (120-277V) Input Voltage
- UL Listed (Field Installation)
- Class 2



Performance	
Input Voltage	120 ~ 277 Vac ± 10%
Input Frequency	50/60 (Hz)
Output Voltage	20 - 50VDC
Output Power	20W
Illumination Time	90 minutes
Recharge Time	24 hours
Temp. Rating (Ambient)	0°C to 55°C (32°F to 131°F)
Battery	High Temperature, Maintenance-Free Nickel-Cadmium Battery

Physical	
Length	16.6 in (422 mm)
Width	2.8 in (71 mm)
Height	2.85 in (73 mm)
Mounting Center	16.05 in (408 mm)
Weight (lbs)	7.1

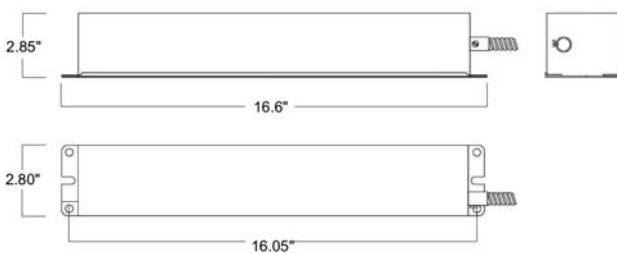
Safety

UL Listed to UL924 and tested to CSA 22.2, No. 141
 Factory or field installation (Indoor and Damp)
 Output Class 2 Compliant
 Meets CEC Title 20 efficiency standards

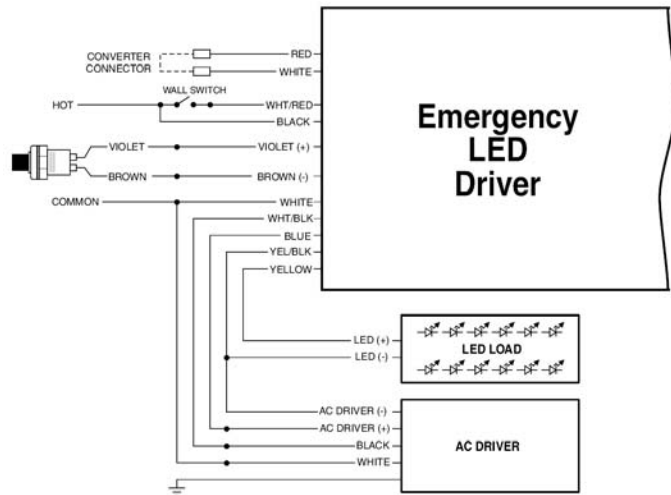
Ordering Information

Order Number	Description	Qty/Carton
ELD20UNVL000I	LED Emergency Driver	6

Dimensions:



Wiring Diagram:



Application and operation performance specification information subject to change without notification.



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FCC Statement: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Application

The ELD20UNVL is UL Listed for factory or field installation and allows the same LED luminaire to be used for normal and emergency operation. The ELD20UNVL universal input (120-277 V) emergency LED driver works in conjunction with an AC LED driver that has an output current not to exceed 5.0 A for LV, and 2.0 A for MV and HV units. The emergency driver consists of a high-temperature nickel-cadmium battery, charger and electronic circuitry in one galvanized case. The ELD20UNVL can supply an LED lighting load of up to 20.0 Watts for 90 minutes. If used in an emergency-only fixture, no AC driver is necessary. The ELD20UNVL is suitable for indoor and damp locations. For more information about specific LED and AC driver compatibility, please call the factory.

Operation

When AC power fails, the ELD20UNVL immediately switches to the emergency mode, operating the LEDs at a reduced lumen output for a minimum of 90 minutes. When AC power is restored, the emergency driver automatically returns to the charging mode.

Installation

The ELD20UNVL does not affect normal fixture operation and may be used with either a switched or unswitched fixture. If a switched fixture is used, an unswitched hot lead must be connected to the emergency driver. The emergency driver must be fed from the same branch circuit as the AC driver. Installation is not recommended with fixtures where the ambient temperature may fall below 0° C.

Emergency Installation

The ELD20UNVL operates an LED load of up to 20.0 W at nominal battery voltage for a minimum of 90 minutes.

Specification

Emergency lighting shall be provided by using a LED fixture equipped with a Universal Lighting ELD20UNVL universal input (120-277 V) emergency driver. A patented circuit delays AC LED driver operation for up to 2 seconds to prevent over current of LED's that would occur if both drivers supply the load at the same time. This emergency driver shall consist of a high-temperature, maintenance-free nickel-cadmium battery, charger and electronic circuitry contained in one case. An illuminated test switch (ITS) to monitor charger and battery and installation hardware shall be provided. The emergency driver shall be capable of operating an LED load (20-50VDC, 50-130VDC, or 125-200VDC) of up to 20.0 Watts at a maximum rated current for a minimum of 90 minutes. The ELD20UNVL is suitable for indoor and damp locations. The ELD20UNVL shall have a maximum of 8.5 watts of input power and a 64.8 Watt-hour battery capacity and shall comply with emergency standards set forth by the current NEC. This device complies with Part 15 of the FCC Rules and meets CEC Title 20 (California Energy Commission) efficiency standards. The emergency driver shall be UL Listed for field or factory installation for factory installation.

Warranty

Universal Lighting Technologies warrants to the purchaser that each power supply will be free from defects in material or workmanship for a period of 5 years from the date of manufacture when properly installed per instructions and under normal operating conditions of use. Call 1-800-225-5278 for technical assistance.



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