

## ■ Features

- Power Rating: 5-20W
- Input Voltage: 120-277Vac  $\pm$  10%
- Constant power
- Multi-level power output
- Charging time: 24-48 hours
- Sound Rating: A
- OCP and SCP
- Battery: LiFePO4
- Kit includes Emergency Power LED Driver, Test Switch, Battery Pack, and Battery Enclosure
- Emergency power duration 90-240 minutes
- 5-year warranty



\*Product images are for illustrative purposes only and may vary from actual design.




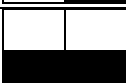
## ■ Application

- LED Lighting emergency backup power

## ■ Description

- This Emergency Power LED Driver with battery backup from Autec Power Systems is UL component recognized that allows the same LED lighting fixture to be used for normal and emergency operation. In the event of a power failure, the LED emergency power supply switches to the emergency mode and operates the existing fixture for a minimum of 90 minutes. Modifications are available to accommodate individual fixture requirements. Contact Autec Sales for all available options.

## ■ LED Driver Model List

Model Number	Input Voltage Range	Output Power	Output Voltage	Dip Switch Setting*	Battery Charging Current	Emergency Time
ELED005S12V50ST (Includes Battery ELEDBAT05WS096V)	120~277Vac $\pm$ 10%	5W	12-50V		160mA	>240 minutes
ELED010S12V50ST (Includes Battery ELEDBAT10WS096V)	120~277Vac $\pm$ 10%	10W	12-50V		160mA	>120 minutes
ELED015S12V50ST (Includes Battery ELEDBAT15WS096V)	120~277Vac $\pm$ 10%	15W	12-50V		160mA	>90 minutes
ELED020S12V50ST (Includes Battery ELEDBAT20WS096V)	120~277Vac $\pm$ 10%	20W	12-50V		210mA	>90 minutes

(\*Initial setting at the factory will be based on customer order. If field selected output, then the customer is responsible to match the output DIP switch with appropriate battery configuration.)

## ■ Technical Data

Input voltage	120~277Vac
Frequency	50/60Hz
Power factor	> 0.6@Full load
Input current max	100mA
Standby power	< 0.5W
White/Black lead	100W Max
Output voltage	12-50Vdc
Output current	100-1600mA
Output power	20W max
Short circuit protection	Yes
Output open protection	Yes
Output power setting	Dip switch
Operating temperature	0°C – 50°C
Storage temperature	-40°C – 80°C
Operating humidity	20% – 85%RH
Storage humidity	10% – 85%RH

Note: Specification data is based on tests performed in a controlled environment and represents relative performance. Actual performance can vary depending on operating conditions. Application and performance data subject to change without notice. All specifications are nominal unless noted otherwise.

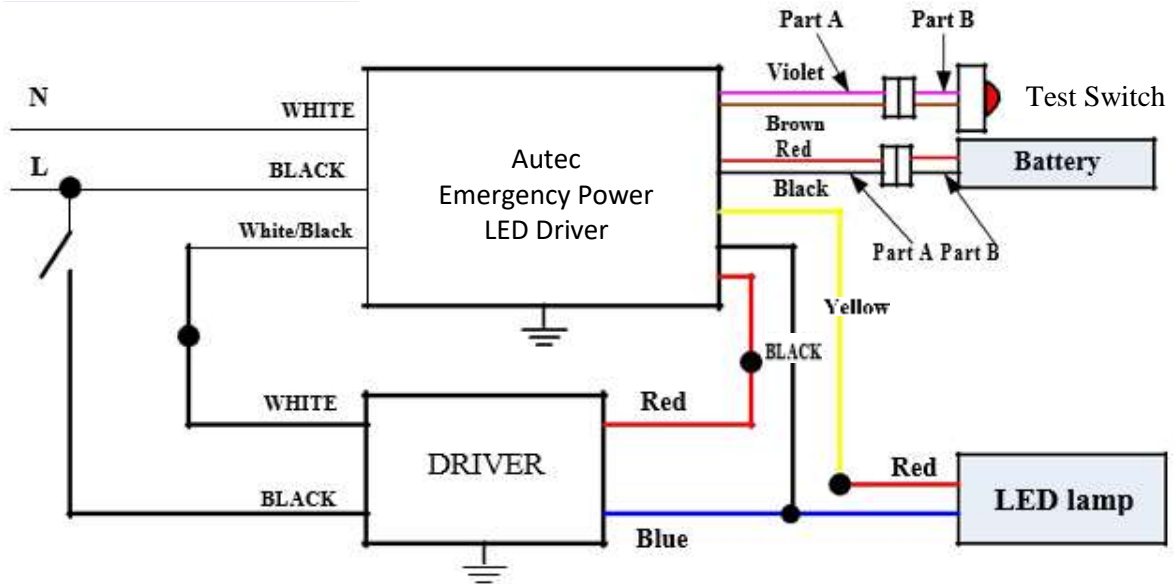
## ■ Safety Compliance

Over current protection	Fuse
Application	For dry and damp locations
Safety standards	UL, cUL, UL8750 Class 2
EMI/EMC standards	FCC PART15 Class A

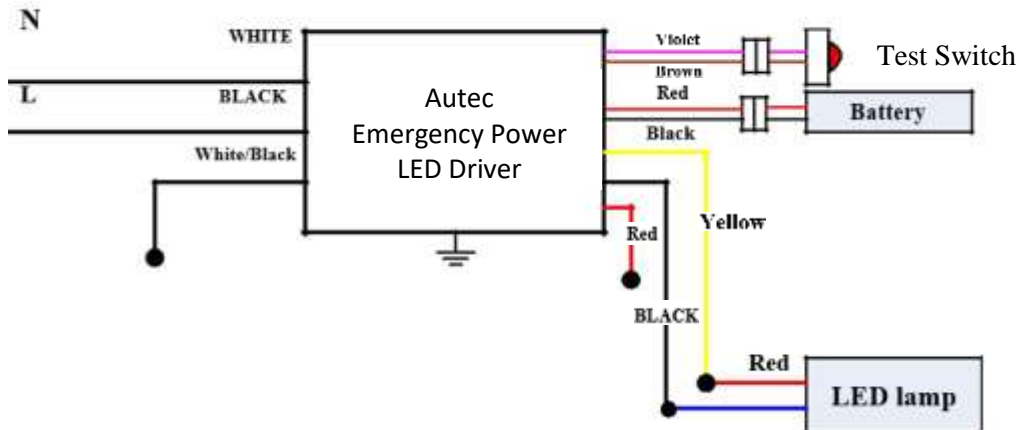
### Disclaimer:

Autec Power Systems' (Autec) LED Drivers are Hi-Pot tested during the manufacturing process. Autec assumes no responsibility for secondary Hi-Pot testing at customer location or designated production line(s). Should customer require further Hi-Pot testing, at their own production line, following assembly of the LED Driver into the customer's assembled fixture, Autec requests advance notice. This request must be communicated to Autec in a timely manner and is recommended to be requested at time of issuing each purchase order.

■ **Wiring Diagram(TYP)**



■ **Wiring Diagram (Emergency only)**

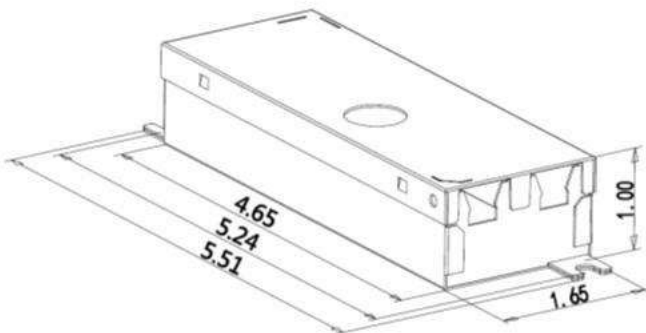


## ■ Operation and Safety Notes

**PLEASE READ CAREFULLY AND FOLLOW ALL INSTRUCTIONS FOR YOUR OWN SAFETY**

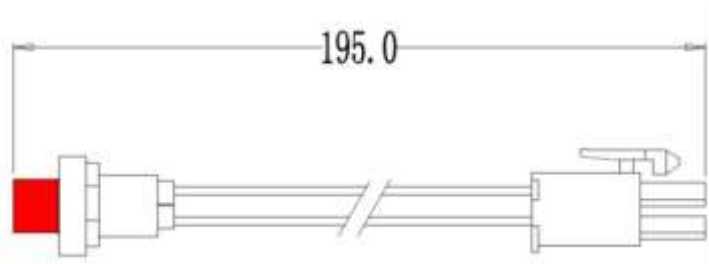
- Important: An un-switched AC power source of 100Vac to 277Vac is required.
- This device is designed for use in LED lighting fixtures listed for dry and damp locations.
- CAUTION: Make sure all electrical connections conform to the National Electrical Code and all applicable local regulations.
- CAUTION: Do not let power supply cords touch hot surfaces.
- CAUTION: Do not mount near gas or electric heaters.
- CAUTION: Battery is rechargeable LiFePO4 type and must be recycled or disposed of properly.
- Do not use this emergency driver with accessory equipment other than recommended by manufacturer.
- Do not use this emergency driver for other than intended use. Failure to follow this may cause an unsafe condition.
- Servicing should only be performed by qualified service personnel.
- Equipment should be mounted in locations and at heights where it will not be readily subjected to tampering by unauthorized personnel.

## ■ Emergency Power LED Driver Mechanical

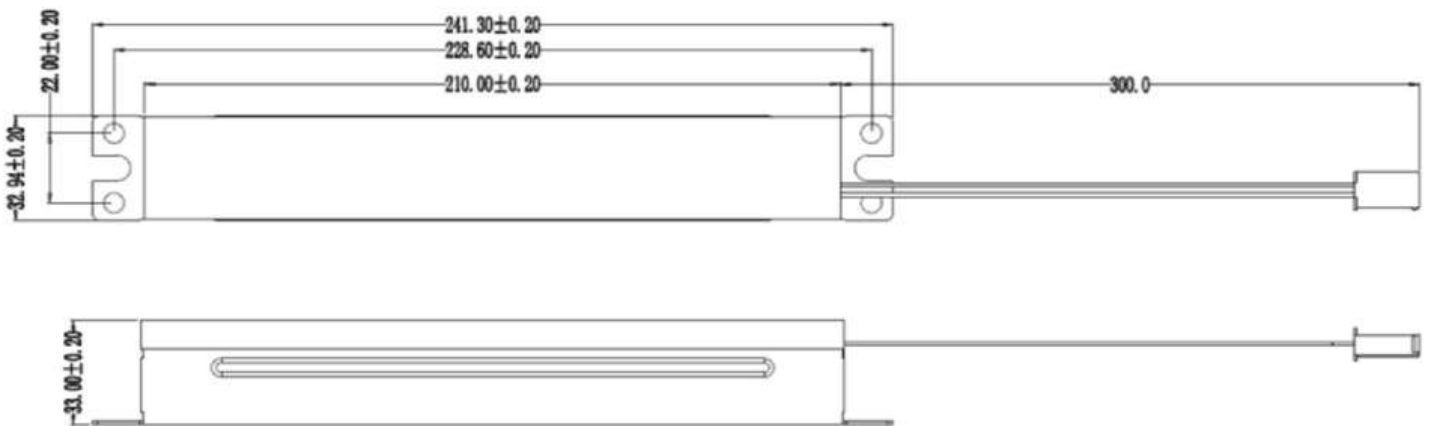


WHITE	Solid 1015 18AWG 105°C 600V line length 15" half stripping 10mm
BLACK	Solid 1015 18AWG 105°C 600V line length 15" half stripping 10mm
WHT/BLK	Solid 1015 18AWG 105°C 600V line length 15" half stripping 10mm
Red	Solid 1015 18AWG 105°C 300V line length 20" half stripping 10mm
Black	Solid 1015 18AWG 105°C 300V line length 20" half stripping 10mm
Yellow	Solid 1015 18AWG 105°C 300V line length 20" half stripping 10mm
Battery Connector(Part A)	Stranded 1015 18AWG 105°C 300V line length 20"
Battery Connector(Part B)	Stranded 1015 18AWG 105°C 300V line length 20"
Test switch(Part A)	Stranded 1015 18AWG 105°C 300V line length 20"
Test switch(Part B)	Stranded 1015 18AWG 105°C 300V line length 20"

### ■ Test Switch

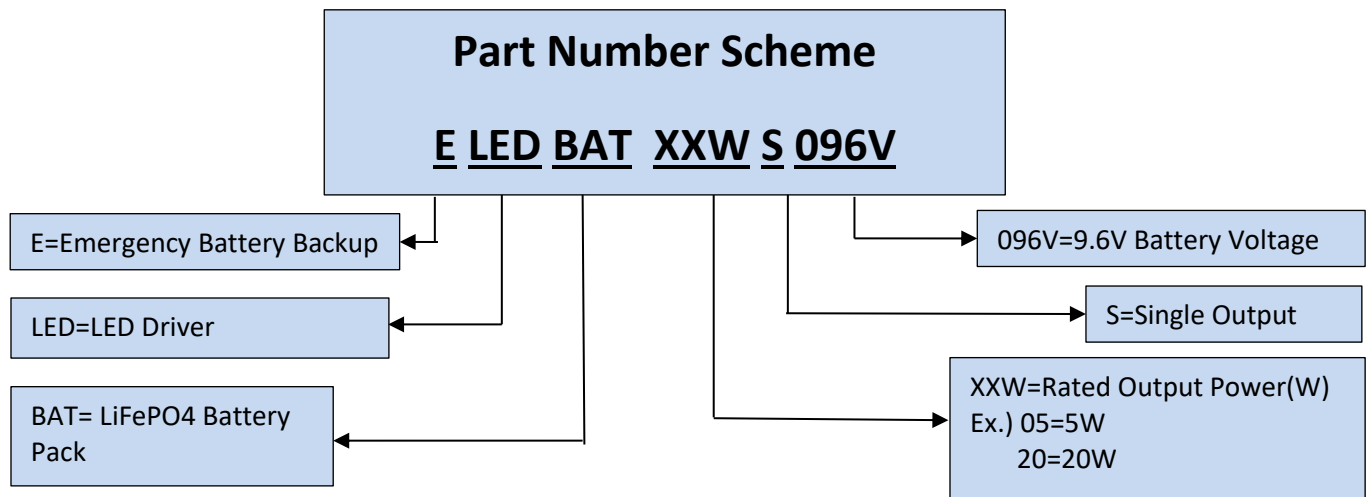
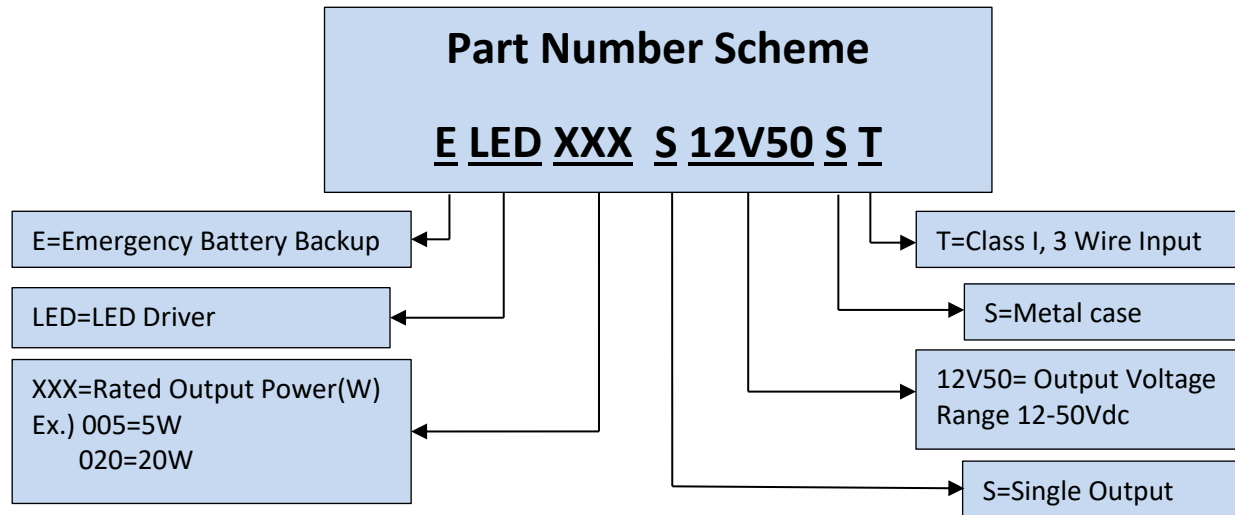


### ■ Battery Enclosure Mechanical Data



### ■ Battery Model Chart

Battery Model Number	Chemistry	Compliant	Pack Capacity	Max Load for 90min	Battery voltage	Recharge time
ELEDBAT05WS096V-3000mAh	LiFePO4	RoHS	3000mAh	5W	9.6V	24Hrs
ELEDBAT10WS096V-3000mAh	LiFePO4	RoHS	3000mAh	10W	9.6V	24Hrs
ELEDBAT15WS096V-3000mAh	LiFePO4	RoHS	3000mAh	15W	9.6V	32Hrs
ELEDBAT20WS096V-6000mAh	LiFePO4	RoHS	6000mAh	20W	9.6V	48Hrs



**\*Product images are for illustrative purposes only and may vary from actual design.**

**\*Specifications are subject to change without notice. Autec is not responsible for issues arising from errors or omissions.**