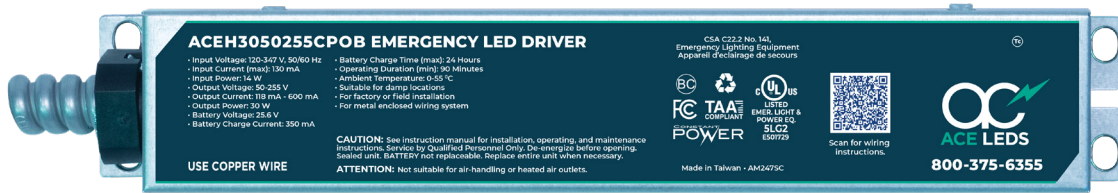


ACEH3050255CPOB Emergency LED Driver



Primary Specifications:

Output Power Max	Input Power Max	Input Current Max	Emergency Operating Time	Battery	Input Voltage	Output Voltage	Ambient Operating Temperature	UL Listed for US and Canada
30 W	14 W	130 mA	90 min.	LiFePO ₄ 24 Hour recharge 7 to 10 year Life expectancy	120-347 Vac 50/60Hz	50-255 V ¹	0 °C through 55 °C	UL and cUL (UL924) Emergency LED Driver



Description:

The **ACEH3050255CPOB** from AC Electronics is a UL Listed Emergency LED Driver that enables the same LED fixture to be used for both normal and emergency operation. The **ACEH3050255CPOB** contains a LiFePO₄ battery, a high-efficiency battery charger, control circuitry, and high-efficiency power converter circuits, in a single metal enclosure. In the event of a normal power failure, the **ACEH3050255CPOB** switches to emergency-mode and operates the fixture's LED array or

module for 90 minutes at a constant power of 30 W. When normal power returns, the **ACEH3050255CPOB** returns to normal-mode. The **ACEH3050255CPOB** can be used in switched or unswitched fixture applications. The **ACEH3050255CPOB** can drive any LED array or module in emergency-mode with a voltage range of 50-255 Vdc and that can operate at a current range of 118 mA to 600 mA.

Additional Specifications:

Normal (ac) driver maximum output current:.....5 A²
 Output current range:.....118 mA to 600 mA³
 Surge protection:3 kVp
 Maximum case temperature Tc:70 °C
 Nominal battery voltage:.....25.6 V
 Battery charge current:.....350 mA
 Metal enclosure IP rating:.....IP30
 Dimensions:.....12.6 in L x 2.24 in W x 2.05 in H 12.0 in M

¹The emergency-mode output voltage operating range is 50 - 255 V.

²The Normal (ac) Driver maximum output current is the maximum current allowed to pass through the **ACEH3050255CPOB** circuitry in Normal-mode.

³The emergency-mode output current is automatically adjusted to maintain a constant output power across the output voltage range.

*Warranty: 5 years based on a maximum case temperature of ≤ 60 °C, 3 years warranty based on a maximum case temperature of ≤ 70 °C

Safety and Regulatory Compliance:

- UL and cUL Listed as an Emergency LED Driver (UL924)
- UL Listed for both field and factory installation
- CEC Title 20 compliant: Certified in CA Title 20 Appliance Efficiency Database – Battery Charger
- EMI: Complies to FCC commercial limits
- RoHS compliant

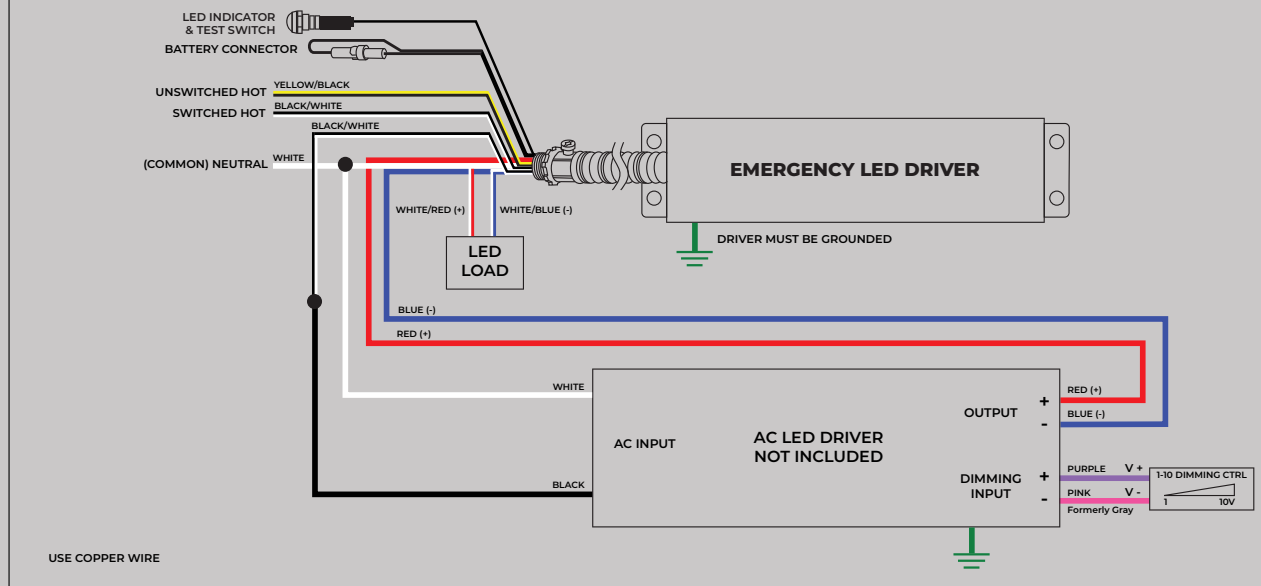
Features, Benefits, and Applications:

- Constant output power: Maintains constant emergency light levels over the full 90-minute runtime and over the output voltage range.
- Self-sensing output voltage:
- Includes input over voltage surge protection, output short circuit, open circuit, and over-voltage protection, as well as over-temperature protection for improved reliability.
- Two-wire universal input: Reduces wiring errors and reduces installation time and complexity.
- Includes a miniature illuminated test switch status indicator: Enables mounting in small spaces.
- Suitable for indoor and damp locations.
- Compatible with a variety of LED fixtures, such as emergency-only fixtures, as well as new and existing fixtures.
- Isolated relay.

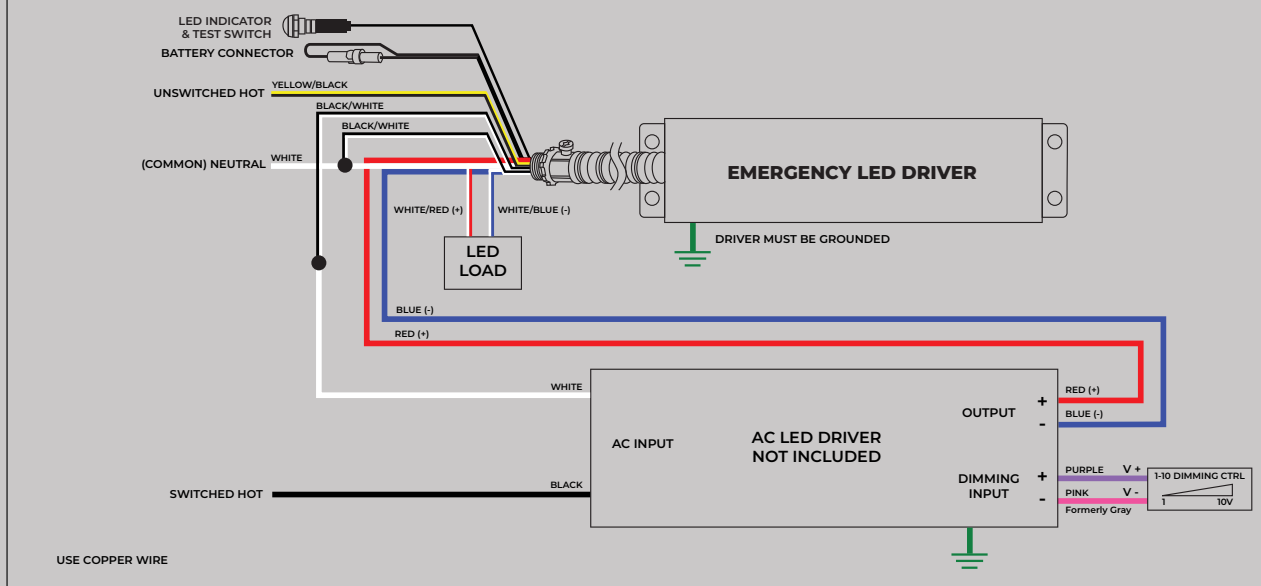
5-Year USA-Backed Warranty*
 See complete AC Electronics/ACE LEDS Warranty information for details.

Wiring Diagrams for Operating One Single Fixture

A. TYPICAL WIRING DIAGRAM FOR SWITCHING THE SWITCHED HOT AC POWER FOR THE NORMAL AC LED DRIVER



B. TYPICAL WIRING DIAGRAM FOR SWITCHING THE NEUTRAL WIRE OF THE NORMAL AC LED DRIVER



*AC Electronics/ACE LEDS warrants to the purchaser that each Emergency LED Driver will be free from defects in material or workmanship for a period of 5 years when operated at max case temp of up to 60°C and 3 years warranty based on a maximum case temperature of $\leq 70^{\circ}\text{C}</math> when properly installed and under normal conditions of use. See aceleds.com for complete warranty policy.$

For questions or to place an order contact us at oemsales@aceleds.com or 800-375-6355 or your local WPG Americas Sales representative at inquiry@wpgamericas.com or 888-WPG8881