



20W External Emergency Battery Driver, 90+ Min Runtime, 100-277V AC Input, 50-150V DC Output

- Universal 100-277V AC, 50/60 Hz input with 100 mA maximum draw
- 50-150V DC output rated at 170 mA output current
- Emergency runtime greater than 90 minutes per charge
- External 11.1V 4000 mAh lithium-ion pack rated for 500 cycles
- Illuminated test switch and status indicator for mode verification
- 0°C to +50°C ambient rating, UL Listed and RoHS compliant

OVERVIEW

The D-EMS-HV-20W is a 20W external emergency battery driver designed to maintain illumination during power outages. It is intended for use with compatible LED luminaires in commercial and industrial applications where code-compliant emergency lighting is required.

The driver accepts an input voltage range of 100-277V AC at 50/60 Hz, drawing 100 mA maximum, and delivers a DC output of 50-150V at 170 mA. Rated runtime on battery is more than 90 minutes, and the external 11.1V 4000 mAh lithium-ion pack recharges in approximately 24 hours. An illuminated test switch and indicator light report charging and emergency modes, and the unit operates from 0°C to +50°C.

The driver is UL Listed and RoHS compliant, and is covered by a 1-year warranty.

SPECIFICATIONS

OPTICAL

LED Lifetime	50,000 h
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ELECTRICAL

Operating Voltage	100-277 V
Wattage	4 W
Current Draw	0.1 A

MECHANICAL

Product Dimensions	7.4 × 1.5 × 1.14 in (case)
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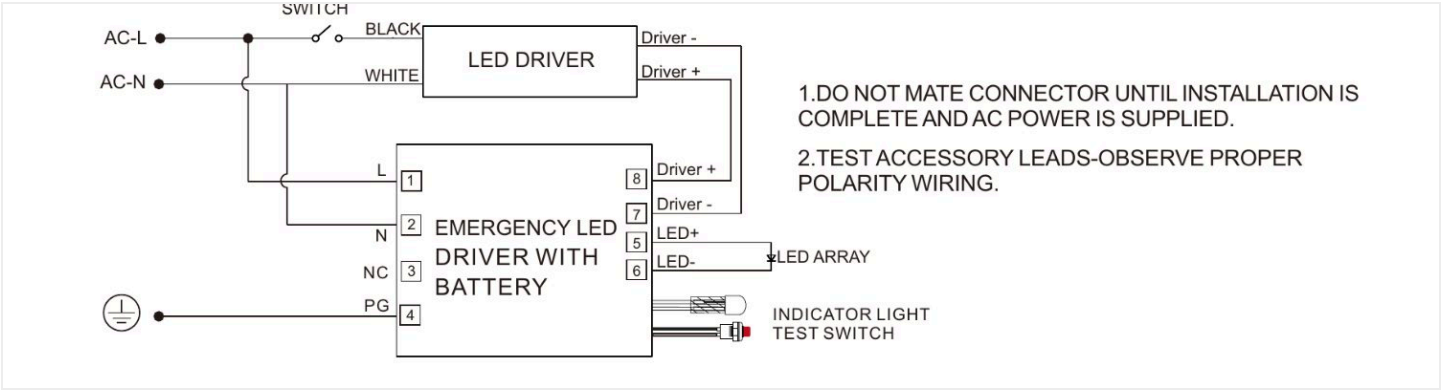
ENVIRONMENTAL

Environmental Rating	Indoor, dry or damp location rated fixtures
Ambient Operating Temperature	0-50 °C 32-122 °F

ORDERING

Warranty	1 y
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DIMENSIONS & DIAGRAMS



WIRING DIAGRAM

CERTIFICATIONS & COMPLIANCE

UL

UL Listed
E493915

RoHS

RoHS Compliant

APPLICATIONS

- Commercial office troffers and recessed downlights
- Warehouse and industrial high bay luminaires
- Retail and hospitality egress lighting
- Institutional corridors and stairwells
- Parking structure and covered walkway fixtures

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
led_lifetime_h	50,000 h	db	high
operating_voltage	100–277 V	pdf	high
wattage	4 W	pdf	high
current_draw	0.1 A	pdf	high
product_dimensions	7.4 × 1.5 × 1.14 in (case)	pdf	high
environmental_rating	Indoor, dry or damp location rated fixtures	pdf	medium
ambient_temp_c	0–50 °C	pdf	high
warranty_years	1 y	db	high

Specifications subject to change without notice.