# EM-90 Series

## *Emergency Driver*

LED Emergency Battery Backup

SOLAS RAY™ LIGHTING

5935 West 84th St. | Indianapolis, IN 46278 | 1-800-840-5635 | www.SolasRay.com

| Cat. # | Type |
|---|---|
| Notes | |

Remote Control
(Order Separately)

Provides 40 watts of power for at least 90 minutes to your new or existing light fixtures.

## CERTIFICATIONS / RATINGS

c UL us LISTED · IP65 · UL924 · BC · SAA APPROVALS · RoHS compliant · FC

## KEY FEATURES AND BENEFITS

- Provides 40W output during emergency for at least 90 minutes.
- Simplified, labeled wiring system connects directly to driver for easy field installation.
- Self-adapt output voltage for operation of most indoor bay / flood light fixtures.
- Long life high temperature recyclable Li-ion battery.
- Constant power output in emergency mode.
- One piece design with metal housing.
- 2-in-1, waterproof test switch and indicator light.
- Self-diagnostic circuitry performs a 30-second discharge test monthly and a full 90-minute discharge test annually.
- Meets UL924 requirements.

## SPECIFICATIONS

| | |
|---|---|
| **Voltage** | 100-347 VAC, 50/60Hz |
| **Input Current** | 200mA max. |
| **Input Power** | 12W max. |
| **Recharge Time** | 24 hours |
| **Discharge Time** | 90 minutes |
| **Emergency Power** | 40W |
| **Output Voltage** | 170VDC |
| **Ambient Temperature** | 0°C (32°F) to 50°C(122°F) |
| **Housing** | Metal with corrosion resistant nylon powder-coat |
| **Color** | Red |
| **Surge Protection** | Meets ANSI/IEEE c62.41.2-2002 |
| **Battery** | Lithium Ion |
| **Power Factor** | ≥ 0.85 |
| **Protection** | IP65 |
| **Warranty** | 5 Year Limited Warranty |

## PRODUCT ORDERING SELECTION

| Order Number | Description |
|---|---|
| **EMUFO-40170-TT** | Emergency Driver, 40W, 90 Minutes, 100-347 VAC |
| **EMUFO-Remote** | Remote Control (1 Required Per Order) |



Specifications and data are subject to change without notice.

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## Emergency Driver

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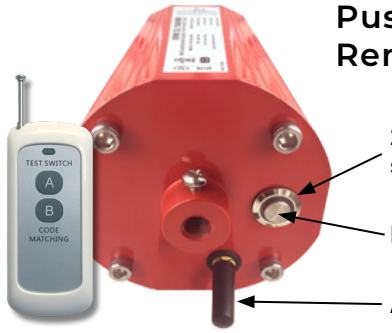
## Information




### Push-button or Remote Testing

2-in-1 waterproof test switch and indicator light

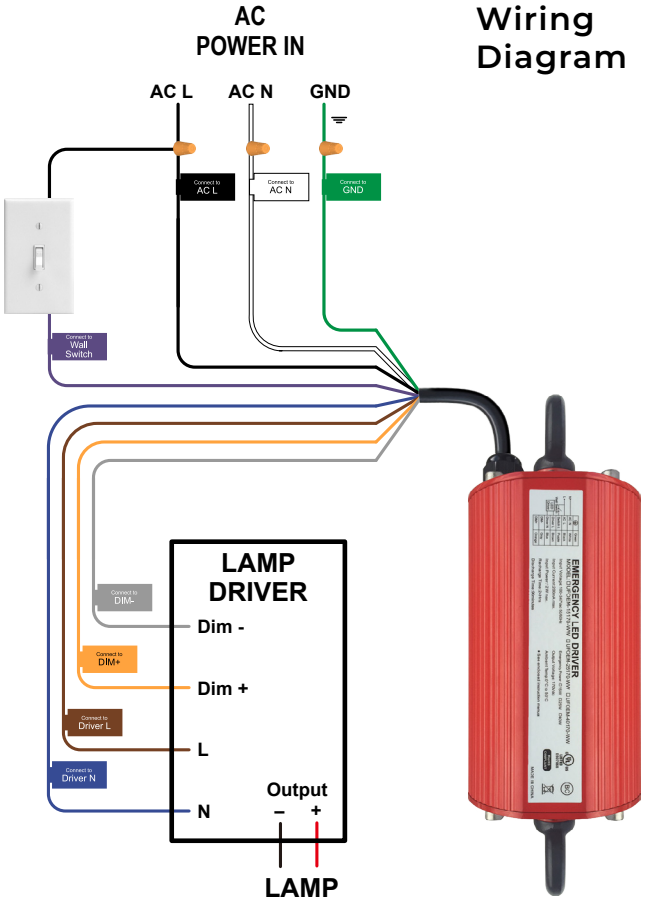
Push to test

Antenna for remote testing

### Easy To Identify Wiring

Each battery backup driver features color-coded and labeled wiring for ease of installation saving time and ensuring a properly wired fixture.

### Wiring Diagram




### Emergency Operation Mode Formula

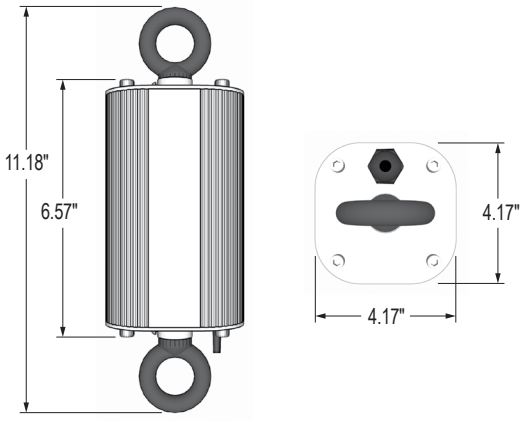
Step 1: Fixture Watts / Emergency Power Watts = X
Step 2: Fixture Lumens / X = Emergency Output Lumens

Example for a 200W / 20,000 lm fixture using EM-90 40W emergency driver.
Step1: 200 / 40 = 5 Step 2: 20,000 / 5 = **4,000 Lumens**

## WEIGHTS AND DIMENSIONS

WEIGHT

**7 lbs**




## INCLUDED STANDARD

The following equipment is included standard with each EM-90

- Emergency LED Driver (qty 1)
- Screw-in Test Antenna (qty 1)
- 14" Safety Cable with Carabiner (qty 1)
- Heavy Duty Loop Hookups (qty 2)
- Heavy Duty Chain Link Connector (qty 1)



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