

EMERGENCY

LED Driver - GEN 4

No Delays
When Power
Fails!

OKT
LIGHTING

Slimmer Form
Factor Linear Family





WHY OKT?

THE FIRST UL-LISTED EMERGENCY LED DRIVER MANUFACTURER IN CHINA

Since 2014, OKT has been China's first UL-listed manufacturer of LED emergency drivers. Renowned across North America for quality and reliability, we proudly introduce the 4th Gen EM series—a testament to our ongoing innovation. Each year, we deliver exciting upgrades designed to meet your evolving needs.

- **Proven Expertise**
12 years of R&D and manufacturing excellence since 2014.
- **Proven Reliability**
Trusted across the USA with a consistently low complaint rate.
- **Universal Compatibility**
Compatible with virtually any LED product up to 200W.
- **Continuous Innovation**
Now in 4th Generation—Keep Moving, Be the Specialist.

UNRIVALED EMERGENCY SOLUTION

UP TO 200W LED



OKT provides a range of UL Listed, field-installable emergency LED drivers that simplify installation and save time by eliminating the complexities of a Classified listing. Choose between 8W, 16W or 25W models to provide up to 90 minutes of emergency lighting. Compact and feature-rich, these drivers are among the most capable and versatile solutions available.

Engineered for Experience & Reliability

- 12 years of expertise, 4th Gen evolution
- UL Listed & CEC Title 20 compliant
- Backed by 5-year limited warranty

Compact & Universally Compatible

- More compact design, fits even linear lights
- Supports up to 200W LED products
- Pre-installation support provided

Advanced LiFePO4 Battery NEW

- Enhanced safety and longer lifespan
- 90+ minutes runtime during power outages

Smart & Intuitive Operation NEW

- Automated self-testing (Monthly to annual)
- Clear visual indicators for real-time status

Available in AC or DC wiring versions

- AC wiring: One slim case. AC + emergency operation. Fewer wires, easier install.
- DC wiring: Compact design fits narrow spaces—even inside 1.8" wide linear lights.

When normal power fails, OKT emergency LED drivers detect the outage and instantly switch to emergency mode.



AC Wiring

25W High Voltage

Easier Wiring, For Loads Up To 200W

OKT's 25W LED emergency drivers support two main setups: Non-dimming fixtures ($\leq 25W$), such as LED tubes, bulbs, and Triac-dimmable downlights; And for 0-10V dimming-ready fixtures ($25W < \text{Fixture} \leq 200W$), including LED panels, linear high-bays, downlights, and linear lights.



AC Wiring

16W High Voltage

Easier wiring, for loads up to 160W

OKT's 16W LED emergency drivers support two main setups: Non-dimming fixtures ($\leq 18W$), such as LED tubes, bulbs, and Triac-dimmable downlights; And for 0-10V dimming-ready fixtures ($18W < \text{Fixture} \leq 200W$), including LED panels, linear high-bays, downlights, and linear lights.

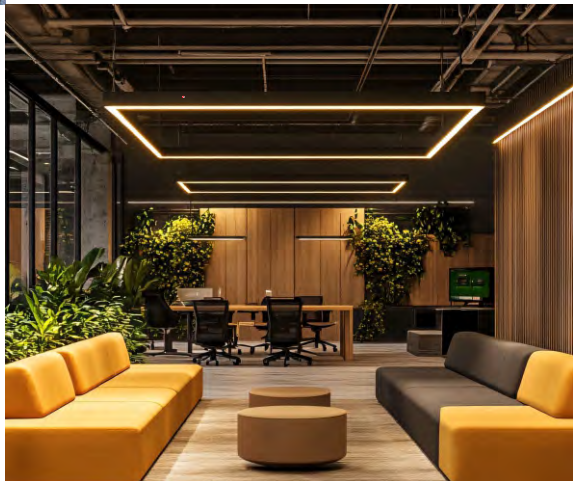


DC Wiring

8W Low Voltage

Split design, built-in, for loads up to 100W

OKT's 8W LED emergency driver powers LED modules directly, bypassing the standard driver to ensure continuous illumination. Its compact design offers greater flexibility, allowing installation even in narrow housings or confined spaces—even within narrow 1.8"-wide linear lights, and supports loads up to 100W.



Advanced Self-Diagnostic Testing

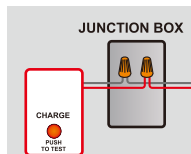
Beyond mere code compliance, OKT LED emergency drivers deliver assured safety through rigorous automatic self-diagnostics and superior protection-ensuring reliable performance when it matters most.

Automatic Detection Modes

Power-On Self-Test	Trigger: Upon power connection
	Duration: Max. 2 minutes
Monthly Auto-Test	Trigger: Day 30 (after light OFF + 6-hour delay)
	Duration: 35 seconds
Semi-Annual Auto-Test	Trigger: Day 180 (after light OFF + 6-hour delay)
	Duration: 30 minutes
Annual Auto-Test	Trigger: Day 365 (after light OFF + 6-hour delay)
	Duration: 90 minutes

Indicator

- Indicator Reached LELV Rated Output
- Suitable for wet location and applied to outdoor application
- 2-Wire Illuminated Test Switch



Two-wire illuminated test switch(2w-ITS)



More Intuitive • At a Glance

Clear visual indicators show real-time status. Enhanced indicators for real-time working status and issue notifications, making it easier to monitor performance.

LED Indicators Status	EM Driver Status	Method
Red ON 1 times /S	Battery abnormal	Check that the switch at one end of the housing is on or replace battery
Red ON 3 times /S	PCB abnormal	Hold for 10s to reset/reboot or replace driver
Red ON 3S /6S	Output power abnormal	Verify dimming wire connection Confirm lighting load $\leq$ rated power Check AC/ DC wiring integrity
Red ON 0.2S/6S	Lack of electricity, recharges automatically for MAX 2 hours	Wait for the battery to fully charge first, observe for up to 6 hours, and it will switch to another mode.
None. LEDs OFF	Power cut, Detection and emergency mode	Check the black and white AC wires of the emergency driver, or enter the emergency mode
Red ON 5.8S/6S	On charge	Normal
Always Red ON	Battery Fully Charge	Normal
Luminaire OFF	Wiring Problem	Check that the black and white AC wires of the luminaire are connected to the orange and blue wires of the emergency driver, and ensure that the brown wire of the emergency driver is connected to the switch L and the white wire is connected to N.

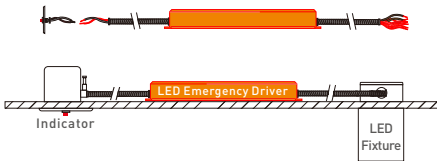
LED Emergency Driver For Field Installation

OKT LED emergency drivers are fully UL and CEC listed, ready for field or factory installation

Multiple Mounting Configurations

The emergency drivers can be installed inside, on top of, or remotely from the fixture, depending on the product, fixture and application.

- Dual Flex (**Quickship**)



- Single Flex (**Make to Order**)



- Integral Non-Flex (**Make to Order**)

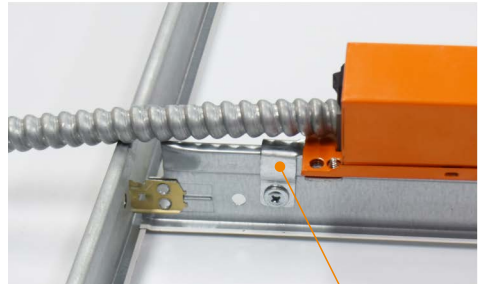


- Top-Mount Non-Flex (**Make to Order**)



Field Installation

Pre-installed Service



T-grid Holder

T-grid clips allow for easy mounting of the LED emergency driver onto T-grid ceilings. They are included as a standard, free-of-charge accessory.

OKT LED emergency drivers are engineered to power today's advanced lighting systems.

Efficiency Built-in or Pre-Wired, Hassle Left Out

Simply Mount. It's Emergency-Ready.

1 + 1 = ONE

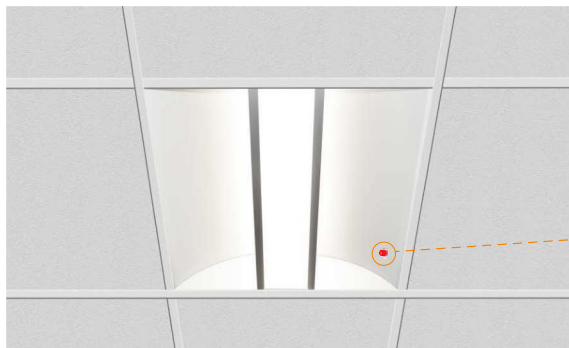
One Luminaire Two Sources Of Power

Upgrade your lighting experience with our built-in LED emergency driver service. We integrate emergency driver directly into our own fixtures before shipping-so it arrives ready, with no extra wiring on-site. This means faster, simpler installation: just mount it like a standard light. Save on electrician labor, reduce complexity, and cut overall project costs.



Operation

EM Series will immediately switches to the emergency mode, operating for a minimum of 90 minutes. When AC power is restored, the emergency driver then will automatically returns to the charging mode.



Built-in Emergency Service

Our LED emergency drivers are already built into the linear lights, troffers, and panels-ready for immediate installation upon delivery.



Which One Is Right For Your Space?



	High Voltage 16W	High Voltage 25W	Low Voltage 8W
Wiring Type	AC Wiring	AC Wiring	DC Wiring
Output Power	16W	25W	8W
Output Voltage	170V DC	170V DC	20-54V DC
Input Current	70 mA Max (120V)	80 mA Max (120V)	70 mA Max (120V)
Input Power	4.5 Watts Max (120V)	6 Watts Max (120V)	4.5 Watts Max (120V)
Input Voltage	100-277VAC, 50-60Hz	100-277VAC, 50-60Hz	100-277VAC, 50-60Hz
Emergency Operation	≥90 Minutes	≥90 Minutes	≥90 Minutes
Standby Power	<0.24W(120V)	<0.24W(120V)	<0.35W (120V)
Operating Temp	0°C to 50°C	0°C to 50°C	0°C to 50°C
Battery	LiFePo4	LiFePo4	LiFePo4
Recharge	24 Hrs	36 Hrs	24 Hrs
Luminaire Load Power	160W (Max) <i>If Wiring the 0-10V dimming wires Minimum dim-down power≤ EM power</i> 18W (Max) <i>If NO wiring the 0-10V dimming wires</i>	200W (Max) <i>If Wiring the 0-10V dimming wires Minimum dim-down power≤ EM power</i> 25W (Max) <i>If NO wiring the 0-10V dimming wires</i>	100W (Max) <i>Compact, split-design to easily built into LED luminaires, such as led linear light, LED troffer, tri-proof light where space allows.</i>
Certificate	UL , CEC	UL , CEC	UL , CEC
Dimensions	L 15.75"xW 1.42"xH 1.42"	L 18.50"xW 1.42"xH 1.42"	Control Board L 6.77"xW 1.38"xH 1.14" Battery Pack L 6.34"xW 1.38"xH 1.14"