TEKTRON POWER
RELIABLE POWER WHEN IT MATTERS MOST

Catalog:	
Project:	
Type:	Date:
Notes:	

EMERGENCY LED DRIVER - UFO HIGH BAY

TP-EMUFO Series

Description

Tektron Power's TP-EMUFO emergency LED driver provides battery backup for UFO high bay luminaires. It hangs between the ceiling hook and the fixture, and when AC power fails it automatically switches the luminaire to its Li-ion battery, delivering 25W, 30W or 40W at 170VDC for 90 minutes.



Application

For UFO / round high bays in warehouses, distribution centers, manufacturing plants, gymnasiums and big-box retail, where egress lighting must stay on through a power failure. Field or factory installation.

Quick Ship

TP-EMUFO-25W-170
TP-EMUFO-30W-170
TP-EMUFO-40W-170

c UL us LISTED · CE · CSA · 5 YEARS

Specifications Features

Controls

Under AC power the unit charges its battery and passes power to the fixture. On loss of AC it detects the outage and switches to emergency mode automatically. An infrared remote (ON / OFF) runs a test or turns the battery off from the floor.

Certifications

UL Listed for US and Canada. Listed to UL924 and tested to CSA C22.2 No. 141. Low energy consumption, CEC compliant

Battery & Self-Test

Li-ion battery, 24-hour recharge, 90-minute discharge, with over-temperature protection. Automatic 30-second test monthly and full-discharge test annually, reported by the status LED.

Installation and Mounting

Hook-mounted with M10 eye bolt and M10 hook bolt; cable glands seal every wire entry. Includes IR remote control. 5 year limited warranty

Ordering Information

Example: TP-EMUFO-40W-170

TP	EMUFO	40W	170	[BLANK]
Brand	**Series**	**Wattage**	**Output Voltage**	**Input Voltage**
TP- Tektron Power	**EMUFO**- Emergency LED driver for UFO highbay	**25W**- 25 Watts **30W**- 30 Watts **40W**- 40 Watts	**170**- 170VDC	100-347VAC, 50/60Hz (standard)

TEKTRON is a registered trademark of Techno USA LLC. Specifications and dimensions subject to change without notice. TP-EMUFO REV 10/26

EMERGENCY LED DRIVER - UFO HIGH BAY

TP-EMUFO Series

Specification Features

Input Voltage	100—347VAC, 50/60Hz
Input Power Rating	12W Max
Output Voltage	170VDC
Emergency Power	25W/30W/40W
Output Type	Constant power
Recharge Time	24Hrs
Emergency Operation	90 minutes
Dimming Input	DIM+ / DIM-, Max. 12VDC
Max. Fixture Load	25W: ≤150W, 30W / 40W: <300W
Warranty	5 Years

Electrical Specification

Input Voltage	100—347VAC, 50/60Hz
Input Current	200mAmax.
Power Factor	>0.9 under 100—347Vac input
Output Voltage	170-175VDC
Output Current	140mA-145mA / 170-175mA / 225mA-235mA
Output Power	25W/30W/40W
Conversion Time	<1s
Over Short	<10%
Emergency Operation	90 minutes
Battery	Li-ion 5200mAh-18.5V
Recharge Time	24Hrs
Battery charging current	450mA Max.

Environmental Specification

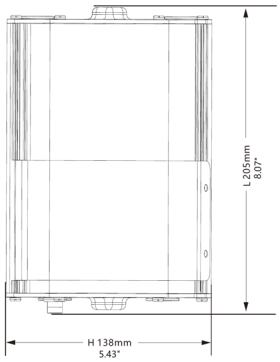
Operating Temperature	0°/32° to 50°/122°
Storage Temperature	−20/−4 to 50°/122°
Humidity	5% to 95%
Life rating	50,000 hrs @100Vac input, 100% load (60°C/140°F case temp)
Max. Ambient Temperature	55°/131° for battery

TEKTRON is a registered trademark of Techno USA LLC. Specifications and dimensions subject to change without notice. TP-EMUFO REV 10/26

EMERGENCY LED DRIVER - UFO HIGH BAY

TP-EMUFO Series

Dimensions





Part Number	Length (L)	Width (W)	Height (H)
TP-EMUFO	8.07 in	5.43 in	3.94 in
	205 mm	138 mm	100 mm

Accessories



Input/ Output Wire Hub



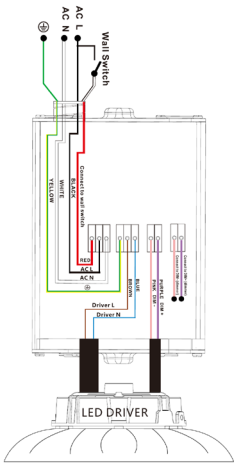
Hanging Hook Bolt



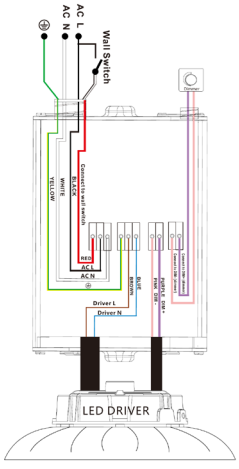
Infrared Remote

Wiring Diagram

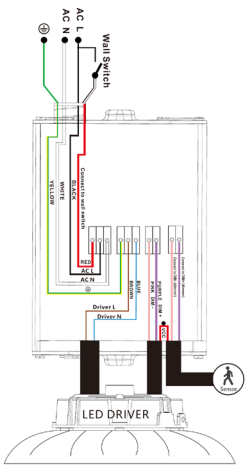
A • Normal



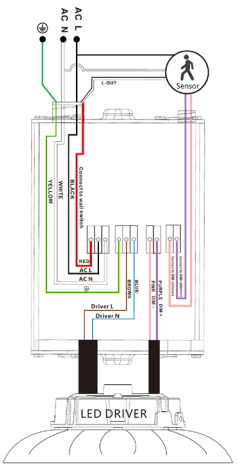
B • With Dimmer



C • With DC Sensor



D • With AC Sensor



BLACK — AC line (unswitched) · RED — to wall switch · WHITE — AC neutral · YELLOW — ground · BROWN — Driver L

BLUE — Driver N · PURPLE — DIM+ · PINK — DIM

TEKTRON is a registered trademark of Techno USA LLC. Specifications and dimensions subject to change without notice. TP-EMUFO REV 10/26

EMERGENCY LED DRIVER - UFO HIGH BAY

TP-EMUFO Series

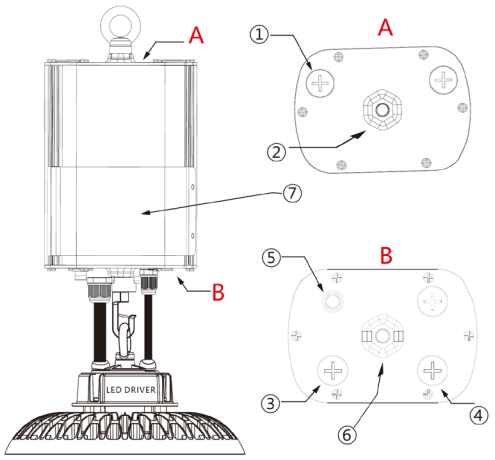
Installation Instructions

- Installation must be performed by a licensed electrician per
- the NEC and local codes.
- Turn off AC power before installing.
- Hang the driver from the ceiling hook by its M10 eye bolt, then hang the UFO high bay from the M10 hook bolt.
- Open the junction box and wire per the diagram. Connect the unswitched AC line ahead of the wall switch so the battery stays charged.
- Seal all wire entries with the supplied cable glands.
- Restore AC power and charge the battery for 24 hours before a full discharge test.

Compatible Luminaires

- UFO high bay luminaires with an internal LED driver that accepts a 170VDC emergency input.
- TP-EMUFO-25W-170 — LED lamp not more than 150W.
- TP-EMUFO-30W-170 / 40W-170 — LED lamp less than 300W.
- Emergency lumens = fixture efficacy (lm/W) × emergency power (W).

Installation Diagram



1. AC input wire interface	5. Signal receiver
2. M10 bolt	6. M10 hanging hook bolt
3. LED driver input wire	7. Junction box
4. LED driver dimming wire	

Operation & Self-Test

Mode	Test Switch / Remote	Indicator	Comment
AC mode	ON pressed on remote	Slow flash	Battery under emergency test; press OFF to return to charging.
Emergency (1)	Not pressed	Slow flash	Runs the luminaire on battery until fully discharged
Emergency (1)	OFF pressed on remote	OFF	Battery turned off.
Emergency (1)	Automatic	Fast flash on fault	30s test monthly, full discharge yearly; monitors LED load, battery voltage and duration.

Important Safeguards

CAUTION

- DURING AC OPERATION, DO NOT TOUCH OR REMOVE ANY WIRES — RISK OF ELECTRIC SHOCK.
- DURING EMERGENCY OPERATION, PRESS THE TEST BUTTON (OR OFF ON THE REMOTE) TO TURN THE LAMP AND INDICATOR OFF
- BEFORE TOUCHING OR DISCONNECTING WIRES.
- THE VOLTAGE APPLIED TO THE DIMMING WIRES (DIM+, DIM–) MUST BE LESS THAN 20VDC.
- DO NOT USE THIS EQUIPMENT FOR OTHER THAN ITS INTENDED USE

TEKTRON POWER
A division of Tektron LED (Techno USA LLC)
1580 Boggs Road, Suite 500, Duluth, GA 30096
Tel: 678-456-4810 · sales@tektronled.com

©2026 Techno USA LLC. All rights reserved. TEKTRON POWER reserves the right to change specifications or discontinue any product at any time without notice. Information in this document is believed accurate; it does not represent a quotation or contract. Reproduction in whole or part isprohibited without prior consent.
TP-EMUFO (Rev 10/26)