

Catalog Number :

Project Name :

Note :

Date :

Type :

DESCRIPTION

The emergency LED driver is the best backup for flush mount series when power outage happened suddenly.
The battery could support the **all kinds of Remote J-Box Downlight** working at least 90 minutes.
Once the power restore, the driver will switch to the charging mode automatically.
Ideal for hospitals, offices, schools, universities, shopping malls and other public buildings.



FEATURES

- Constant current output.
- Combined LED normal driver and emergency converter 2 in 1.
- Accessory test switch and charge indicator.

PROTECTIONS

1. Input over current protection.
2. Output over voltage protection, output under current protection, output short circuit protection.

SWITCH TEST

1. When the main power supply is connected and enters the normal state, press the test switch and the emergency conversion kit will enter the emergency mode.
2. If the test switch is not pressed normally, the charging mode is entered.
3. In the emergency state, hold down the test switch for 3 seconds to turn off the emergency state.

INDICATOR LIGHT

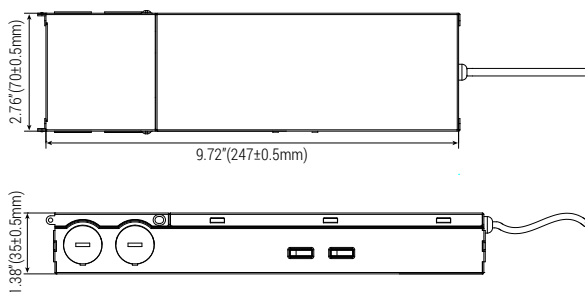
1. Red light constantly on: Normal charging mode or fully charged.
2. Red light off: Battery not in place, main power supply turned off, or discharge mode.

MODEL#	ADAPTIVE POWER	EMERGENCY POWER
EMCT03-18-MS5C5-D1	24W Max	3.5W

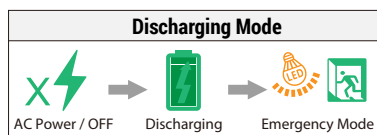
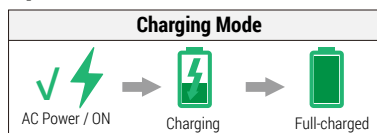
TECHNICAL SPECIFICATION

INPUT VOLTAGE	AC 120-347V
POWER FREQUENCY	50/60Hz
INPUT POWER (CHARGING)	<2.5W
BATTERY CAPACITY	1600mAh
EMERGENCY TIME	90 Minutes
INITIAL CHARGE TIME	24 Hours
COMPATIBLE LAMP TYPE	Remote J-Box Downlight
LED INDICATOR	Red indicator
BATTERY TYPE	LiFePO4
CCT	2700K 3000K 3500K 4000K 5000K
OUTPUT CURRENT OF POWER	320mA 280mA 240mA 200mA 160mA
DIMMABLE	Triac Dimmable & 0-10V
COLOR	Grey
DIMENSIONS	247*70*35mm
NET WEIGHT	0.6KG
OPERATING TEMP	(32°F ~ 122°F) 0~50°C
WARRANTY	5 years

DIMENSIONS



Operation

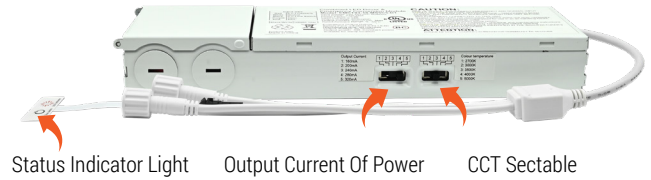


Instruction light

Red---ON	
RED /ON: Charging	 Red ON

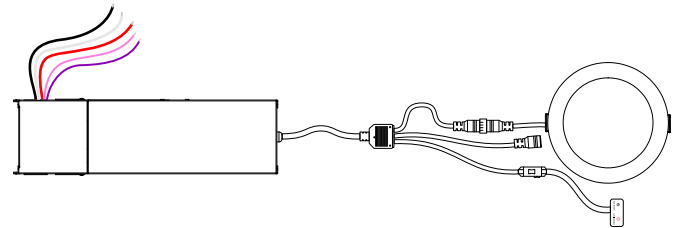
Red---OFF	
RED /OFF: Discharging	 Red OFF

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Output voltage (drive supply)	Output current (drive supply)	Output voltage load 30V(5%)	Output voltage load 50V(5%)	Output power (drive supply)(5%)
30-50V	160mA	5.4W	8.2W	4.5~16.8W
	200mA	6.7W	10.6W	
	240mA	7.9W	12.6W	
	280mA	9.3W	14.9W	
	320mA	10.6W	16.8W	

Input Wire			
Red	A.C.Line(24/7)	Green	Ground
White	Neutral	Purple	Dim+
Black	A.C.Line Switch	Pink	Dim-



IMPORTANT

In emergency mode, the dimming function does not work.

The battery should be charged and discharged at least once every three months to ensure its lifespan. It should not be left idle or continuously charged for more than 6 months.

USAGE INSTRUCTIONS

- 1.The installation of emergency lighting fixtures should be carried out by qualified professionals, and only after the wiring is properly connected can it be powered by the mains.
- 2.Ensure all wiring is connected, and prior to connecting to the mains, the battery should be connected.
- 3.When working with the wiring in battery discharge mode, it is imperative to disconnect the battery first to avoid live output, which poses risks of short circuit damage and electric shock.
- 4.After connecting the circuit to the mains, press the test switch. This will cause the entire lamp to switch from its normal charging mode (or normal lighting mode) to emergency mode. Releasing the switch will automatically restore the lamp to its charging mode.

RECOMMENDED TRIAC DIMMER

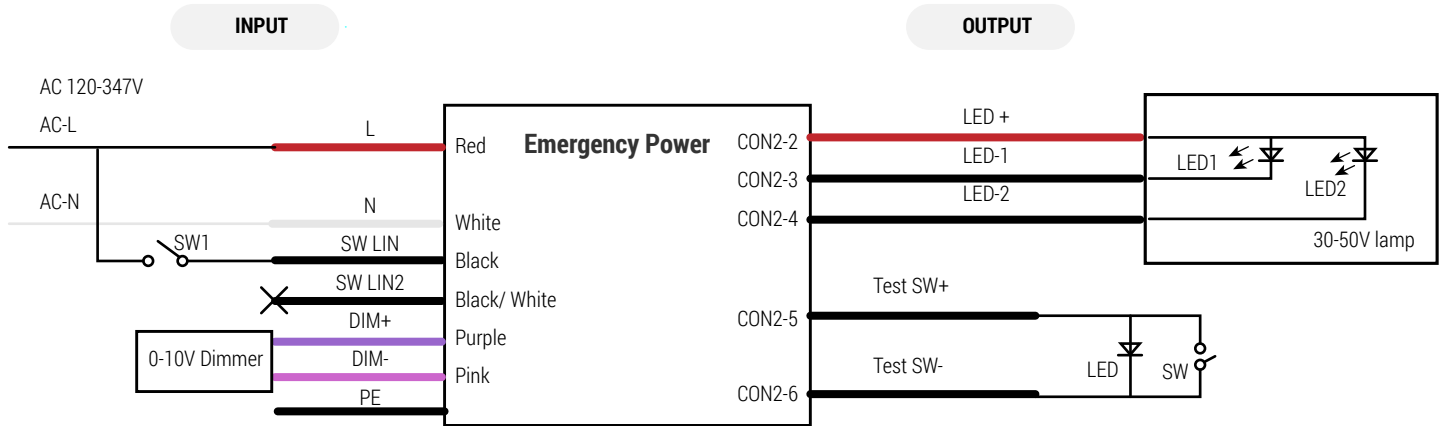
LUTRON					LEVITON	
CTCL-153PDH-WH	MSCL-OP153M	S2-LFSQH-WH	DVWCL-153PH	DVRF-6L	6672	RNL06
TGCL-153PH-LA	PD-6WCL	CT-103PR-WH	RCL-153RNL	CTCL-150H	6674	DSL06
DVCL-153P	S2-LFSQH-WH	MACL-153MR				

RECOMMENDED 0-10V DIMMER

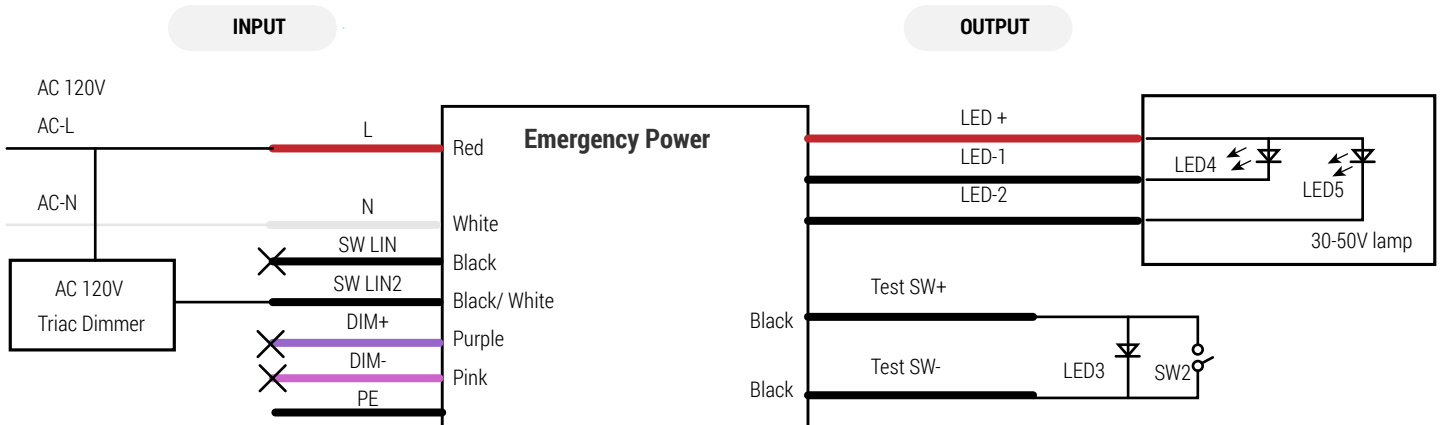
LUTRON	LINTERTEK	LEVITON
DVSTV-WH DECOR DIMMER	KGM-1A010AV	IP710

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0-10V dimming application wiring diagram (AC 120-347V)



Triac dimming application wiring diagram (AC 120V)



CAUTION

- Make sure all electrical connections conform to the National Electrical Code and all applicable local regulations.
- This is a sealed unit. Components are not replaceable. Replace the entire LED Emergency Backup unit when necessary.
- Equipment should be mounted in locations and at heights where it is not be subjected to tampering by unauthorized personnel.
- The use of accessory equipment is not recommended by the manufacturer and may cause an unsafe condition.
- Use with grounded, UL Listed, dry or damp location rated fixtures. Case should also be grounded.
- Battery is rechargeable Li-ion type and must be recycled or disposed of properly.
- Suitable for use in 0°C -50°C ambient temperatures.
- Please do not place the battery near fire or heat sources; refrain from throwing the battery into a fire; avoid using or charging the battery in locations that exceed the specified temperature parameters; and never get the battery wet, soak it, or throw it into water or seawater.