



Constant Power Emergency LED Driver



LL-BLEM-INDRV-HV

Constant Power Emergency LED Driver

Provides voltage to the Input side of the connected load during emergency mode operation. For use with switched or unswitched fixtures. Can be used with LED lamp/luminaire loads providing up to 25W and 40W of constant power in Emergency mode. Optional remote available for manual testing.



PRODUCT INFORMATION

Illumination	Electrical	
<ul style="list-style-type: none"> Provides voltage to the Input side of the connected load during emergency mode operation. For use with switched or unswitched fixtures. Can be used with LED lamp/luminaire loads providing up to 25W and 40W of constant power in Emergency mode. Optional remote available for manual testing. 	<ul style="list-style-type: none"> Universal 100-347V, 50/60Hz input. 145VDC, 6A Max. Output. Charge/Power "ON" LED indicator light and push to test switch for mandated code compliance testing. Long-life, maintenance free, rechargeable Lithium battery. With multi-protection function: overcharge; over-discharge; output overload; short-circuit and open load protection. 90-minute minimum emergency operating time over full temperature range. 24 hour maximum battery recharge time. SDT Standard: Self-Diagnostic feature performs monthly and annual tests to ensure reliable operation and meet electrical and safety codes. Monthly/annual self-testing. Fixture-mount integral LED test switch light-up indicator included. 	
<p style="text-align: center;">Housing</p>		
<ul style="list-style-type: none"> Durable Painted Stamped Aluminum Construction 		
<p style="text-align: center;">Mounting</p>		
<ul style="list-style-type: none"> Durable Painted Stamped Aluminum Construction Provided with 2" flex conduit and 90-degree coupling for convenient installation 	<p style="text-align: center;">Dimensions (L x W x H)</p>	<p style="text-align: center;">Weight</p>
	<p style="text-align: center;">12.24 x 2.59 x 1.53 in.</p>	<p style="text-align: center;">3.2 lbs.</p>
<p style="text-align: center;">Warranty</p>		
<ul style="list-style-type: none"> UL Listed for factory or field installation. Suitable for damp location (0OC - 50OC). 5 year warranty on all electronics and housing. Meets UL924, NFPA 101 Life Safety Code, NEC, OSHA, Local and State Codes. Certified to CEC under Title 20 regulations. 		



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ELECTRICAL DATA

Models	LL-BLEM-INDRV-HV25W	LL-BLEM-INDRV-HV40W
Recharge Duration	24Hours	24Hours
Emergency Wattage	25W	40W
Battery Capacity	14.4V / 4400mAh	14.4V / 6600mAh
Compatible LED Fixture	25-200W LED Lamp With 0-10V Dimming or LED Lamp Less Than 25W Without 0-10V Dimming	40-350W LED Lamp With 0-10V Dimming or LED Lamp Less Than 40W Without 0-10V Dimming

SELF DIAGNOSTIC

Monthly Self-Test	It will automatically perform a monthly self-test every 30 days with a duration of 30S to check whether the emergency function is normal, and automatically restore to normal charging after 30S discharged.
Annual Self-Test	<ul style="list-style-type: none"> An annual self-test will be done every year (12 months) with a duration of 90mins to check whether the capacity of the battery pack is normal, and automatically restore to normal charging after fully discharged. (the condition of annual test is that the battery pack is fully charged). If the annual inspection is interrupted, it will be retested after recovery and when the test conditions are met. (Possibility of interruption: such as sudden power failure, sudden manual test).

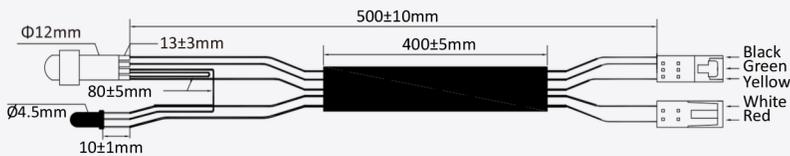


TEST BUTTON & LED INDICATOR

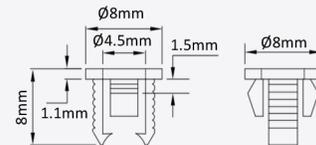
Operations	Test Button Operations	Remote Control Operations	Indicator Status	Working Status
Normal Mode	Press Test Button	Press Button A	OFF	Emergency Mode
	/	Press Button B	OFF	Monthly Testing
	/	Press Button C	OFF	Annual Testing
	/	/	ON	Battery is Charging or Fully Charged
	Press Test Button 5 Times Within 5S	Press Button D 10S	Flashing 3 Times	Bluetooth Reset
Emergency Mode	Press Test Button 5S	/	OFF	Turn Off Battery Pack
Malfunction Mode	/	/	Flashing	<ol style="list-style-type: none"> 1. Battery pack is broken or disconnected. 2. The load is disconnected. 3. Short circuit or open circuit. 4. Wires are not connected properly.

*** Note:** After power on the Bluetooth EM, LED red indicator light breathing when unprovisioned, red indicator light keeps on means the EM device has been connected by another user and weren't correctly disconnected, please use the remote control to reset it or press the test button 5 times within 5S to reset the EM.

TEST BUTTON & INFRARED RECEIVER



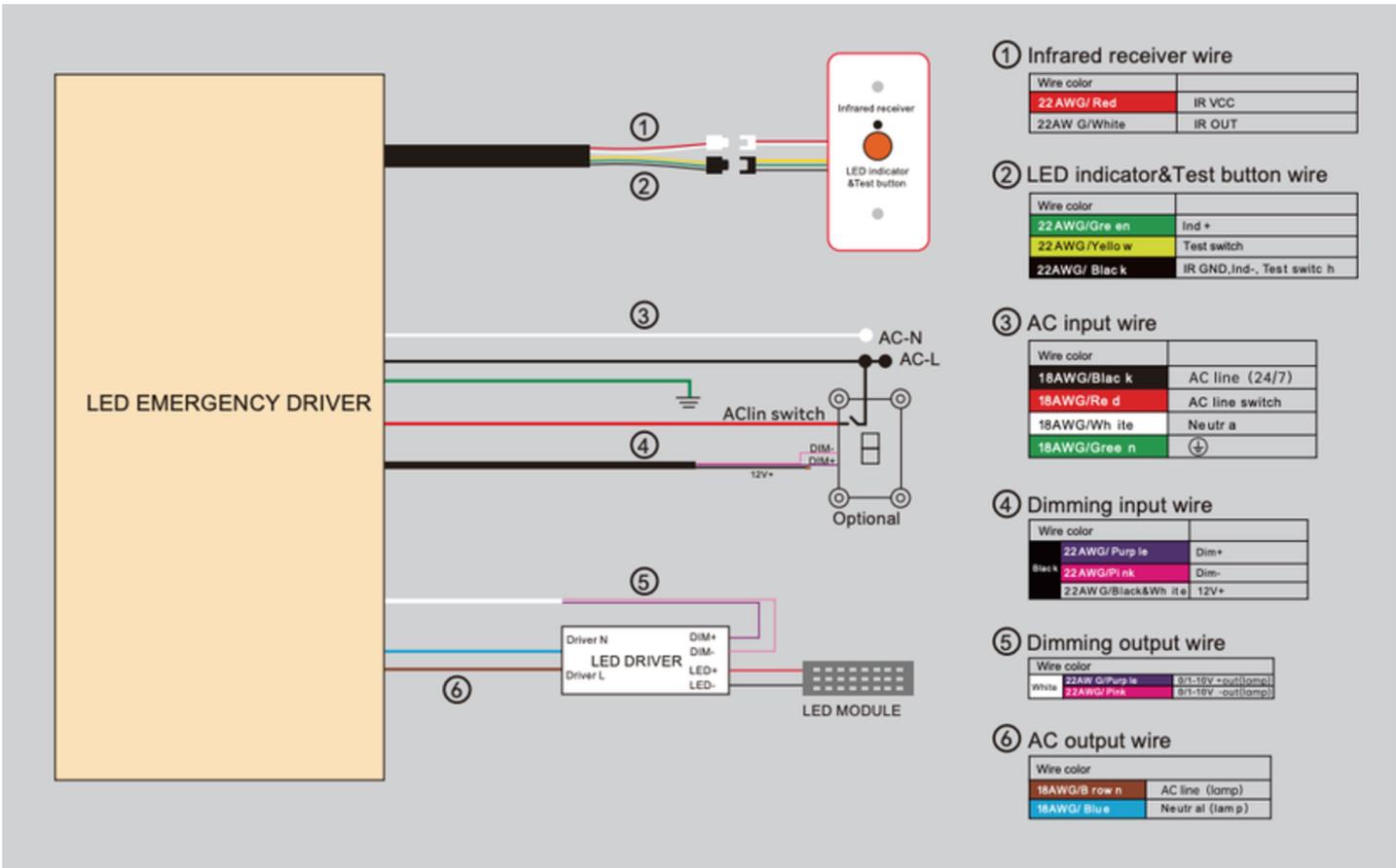
Infrared receiver cap (Cut Hole Size $\varnothing 6.5 \text{ mm} \times 1 \text{ mm}$)



WIRING DIAGRAM

With dimmer, when power of luminaire \geq power of EM, the wiring diagram as below:

* The output dimming wires of Emergency Driver must be connected with the input dimming wires of the LED Driver.



WARNING: Sensor and dimmer cannot be used at the same time!

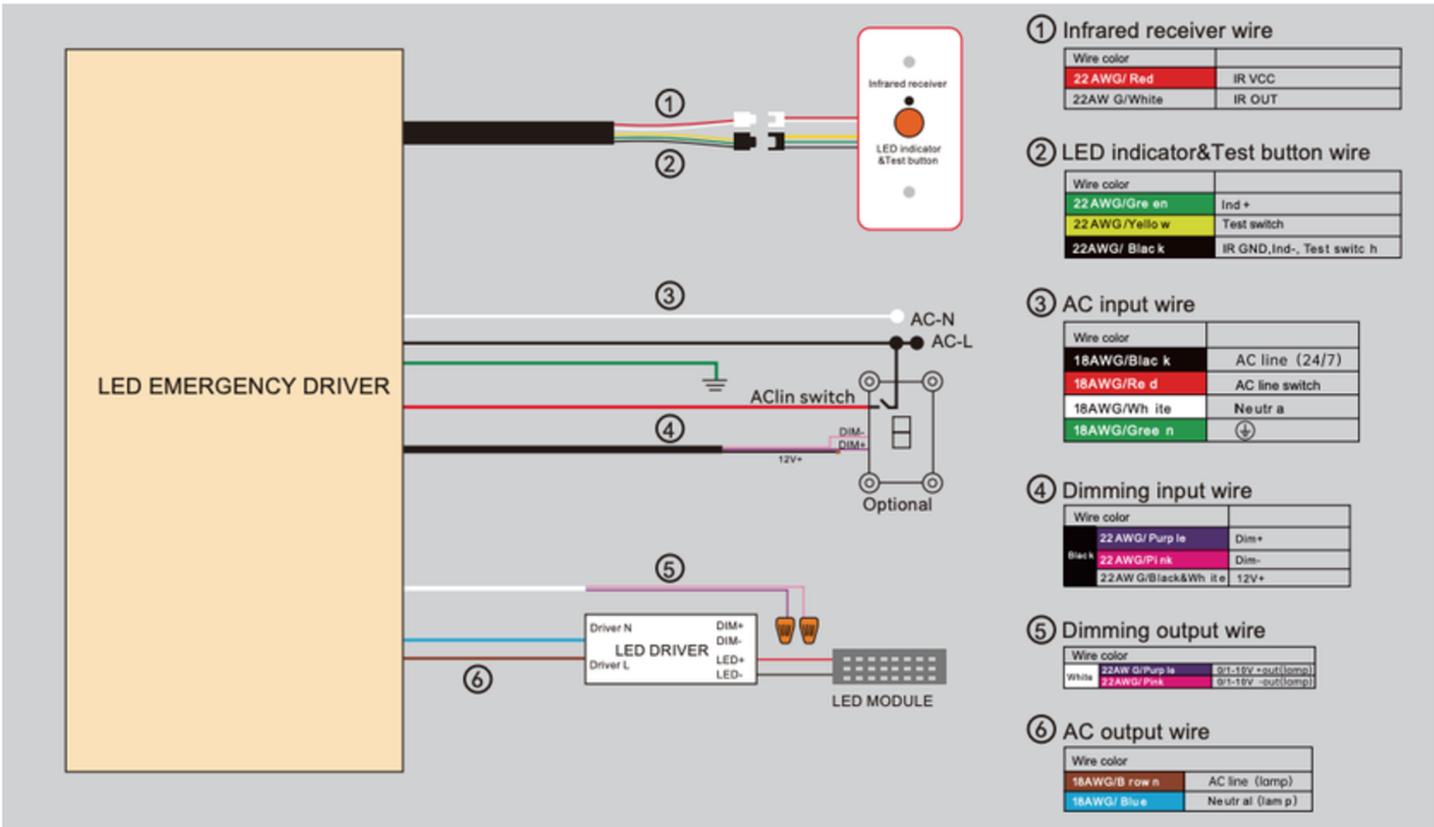


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WIRING DIAGRAM

With dimmer, when power of luminaire < power of EM, the wiring diagram as below:

* The output dimming wires of Emergency Driver must not be connected with the input dimming wires of the LED Driver.



WARNING: Sensor and dimmer cannot be used at the same time!

ACCESSORIES (ORDER SEPARATELY)

<p>Remote Controller EM01R</p>	<p>Remote Control Required for Programming (Sold Separately)</p>	 <p>1pc Remote Control</p> <ul style="list-style-type: none"> A: Manual testing B: Monthly testing C: Annual testing D: Bluetooth reset <p>* Optional</p>
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PROJECT NAME	
CATALOG #	
JOB TYPE	
PREPARED BY	
NOTES	

ORDERING GUIDE

Brand	Type	Output Power
LL LITELUME	BLEM-INDRV-HV Constant Power Emergency LED Driver	25W 25 Watts 40W 40 Watts

FIXTURE ORDERING INFORMATION

Part #	Description
LL-BLEM-INDRV-HV25W	Constant Power Emergency LED Driver 25 Watts, Input Voltage 120-347V
LL-BLEM-INDRV-HV40W	Constant Power Emergency LED Driver 40 Watts, Input Voltage 120-347V