

# Wireless Emergency LED Driver Retrofit Solution

## General Product Information:

- Automatic Self-testing/ self-report compatible with LynxEM™ System
- Monthly and Annual testing compliant to NFPA 101
- Computer Network solution design for CEC compliance
- Auto adjusting Class 2 output
- Maintenance free Nickel Metal Hydride battery
- USGBS/Green Building Council Certified
- CEC Title 20
- Constant Current for variable illumination

## Input Specifications:

Input Voltage: 120 – 277  
 Freq. Range:: 50 – 60 Hz  
 Input Power: Max. 85mA; 6W

## Output Specifications:

Output Voltage: 12 – 48VDC  
 Output Current: 280mA - 582mA, Programmable  
 Max. Wattage: 10 to 21 Watts, Programmable



iES-H010L-HM - Retrofit



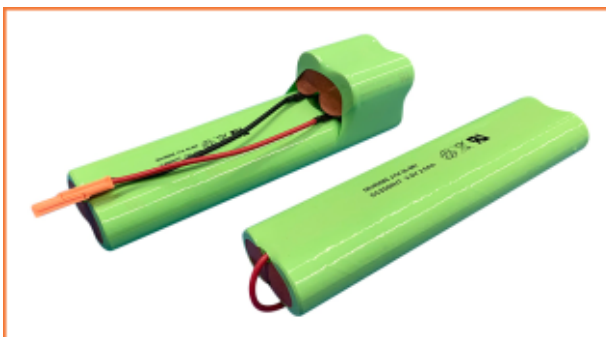
iES-H010L-LM - Retrofit



iES-H021L-HM - Retrofit



iES-N010L-NP & iES-N021L-NP - Retrofit



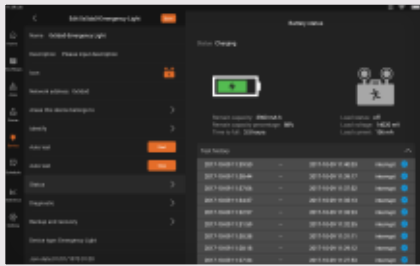
Available battery pack for NP-Series

## Environmental Specifications:

Ambient Operating Temp. 0 to 50 C  
 Safety Approval: UL/cUL Listed  
 EMI Compliance: FCC Part 15, Class A

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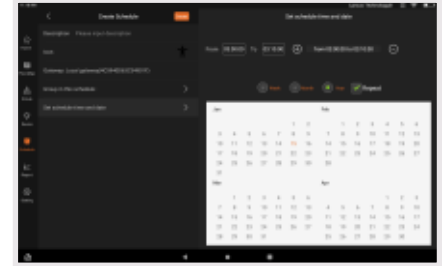
- A peace of mind
- Real time battery health statuses
- Device map for easy accessing
- Programmable output reduce SKU
- Cost savings with group testing command



Realtime BatteryStatus



Interactive Mapping with full Control



Synergistic Schedule

## Model Selection & output Current setup table:

Model No.	Emergency Power	Output Range Vdc	Factory Default Output mA	Max Output W	SW1	SW2	SW3	SW4
iES-H010L-HMx	10.5W	36.0	280	10.5	Off	Off	On	Off
iES-H010L-LMx								

Model No.	Emergency Power	Output Range Vdc	Factory Default Output mA	Max Output W	SW1	SW2	SW3	SW4
iES-H021L-HMx	21.0W	36.0	580	21	Off	On	Off	Off

## LED Tube Retrofit Solution:

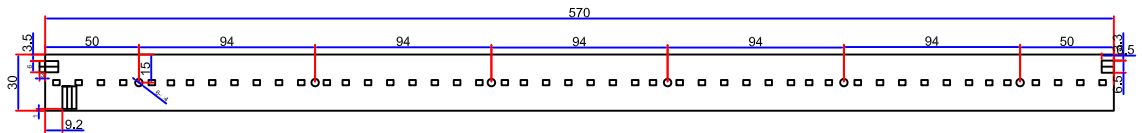
LED: SMD2835 / CRI80 / 120° beam angle

Q'ty: 48pcs / 36VDC

Current Range: 250 – 580mA

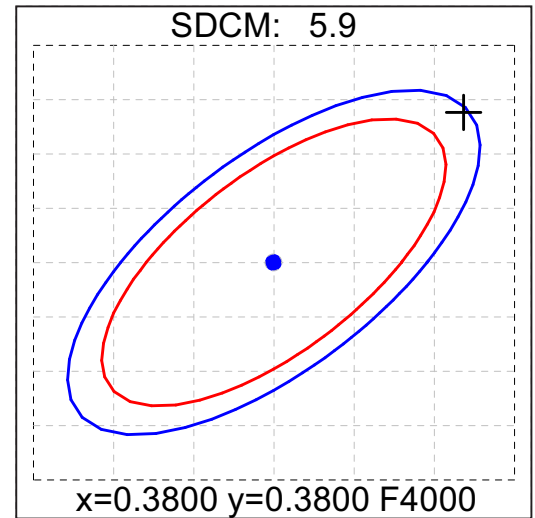
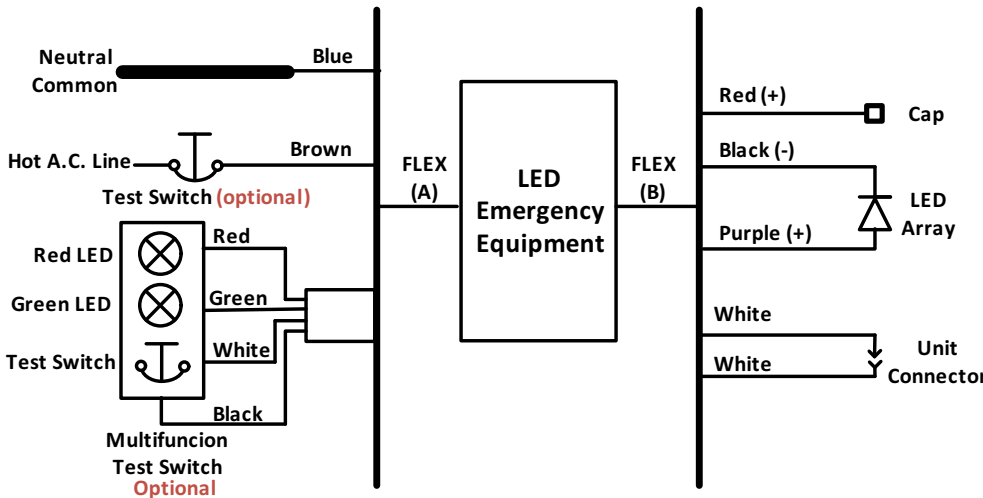
Efficacy: 120lm/W approx.

Available in 4000K / 5000K



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## Wireless testing & Reporting Diagrams:



## Indicator Panel status chart: (Optional)

STATUS INDICATORS		PROBLEM	CORRECTIVE ACTION
Green Light	Red Light		
ON steady	OFF	NONE	None, Unit is fully charged and working correctly.
Flashing Slow (2s interval)	OFF	NONE	None, Unit is in Charging mode.
OFF	ON steady	NONE	None, AC is lost and Unit is in Emergency Discharging mode.
OFF	Flashing Slow (2s interval)	NONE	None, Unit is in Self-testing mode
Flashing Fast (0.5s interval)	OFF	NONE	Press test button to clear message. Unit is passed Self-testing.
OFF	Flashing Fast (0.5s interval)	Self-testing fail	1. Check the wiring; 2. Allow unit to charge for 24 hours. Perform manual test. If failure mode continues, emergency driver should be replaced;
OFF	OFF	Battery Failure	1. Check the battery Connector 2. If battery connection is good, the battery or emergency driver should be replaced.

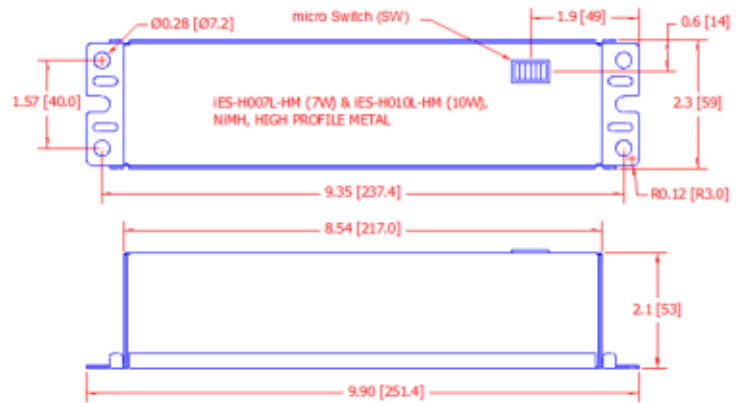
## Wireless System configuration:



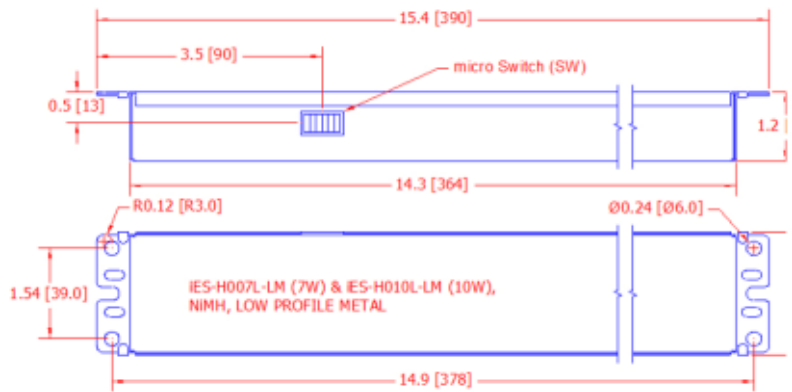
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## Mechanical drawings & dimensions:

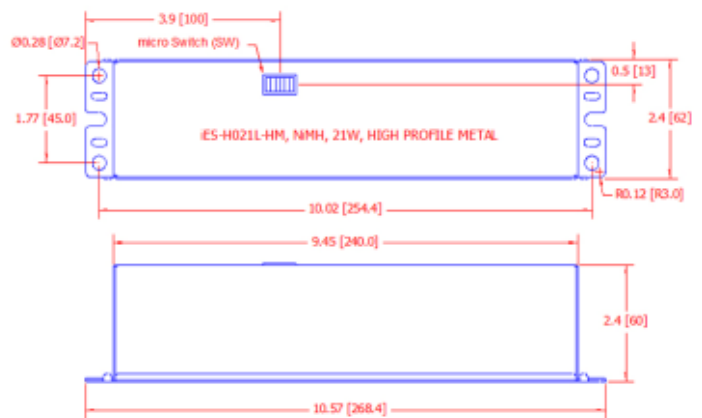
iES-N010L-HM



iES-H010L-LM



iES-H021L-HM



iES-N010L-NP & iES-N021L-NP,

