

Emergency LED Drivers & Retrofit



General Product Information:

- Durable heavy duty steel housing.
- 120/277VAC universal input voltages
- Maintenance free NiMH battery, environmentally safe
- UL Listed
- State of the art self-reporting and self-testing system
- Wireless Network and Full Auto Self-Diagnostic LynxEM™ system required.
- Minimum of 90 minutes when lost applications
- Programmable output with great flexibilities
- Meet CEC, Title 20 energy efficiency requirement.

Input Specifications:

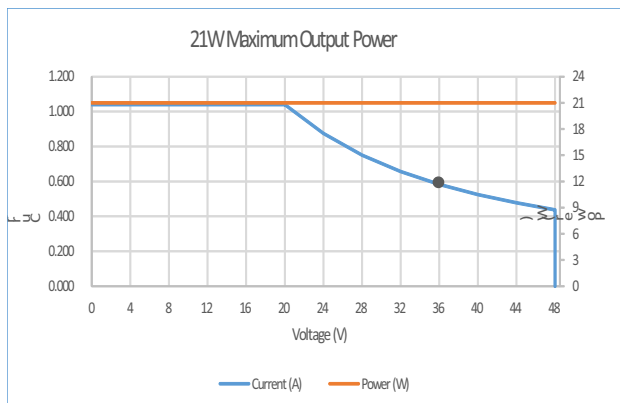
Input Voltage: 120 – 277, 50 – 60Hz
 Freq. Range:: 50 – 60 Hz
 Input Power: Max. 100mA; 7W

Output Specifications:

Output Voltage: 12 – 48VDC
 Output Current: 580mA – 435mA, Programmable
 Max. Wattage: 21 Watts

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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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	16.0	625	10.5	On	Off	Off	Off
iES-H010L-LMx		24.0	425	10.5	Off	On	Off	Off
iES-H010L-NPx		36.0	280	10.5	Off	Off	On	Off
		48.0	210	10.5	Off	Off	Off	On

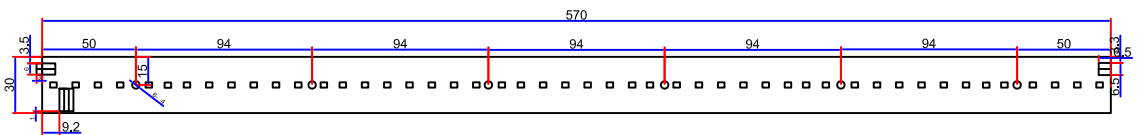
Model No.	Emergency Power	Output Range Vdc	Factory Default Output mA	Max Output W	SW1	SW2	SW3	SW4
iES-H021L-HMx	21.0W	36.0	580	21	Off	On	Off	Off
iES-H021L-NPx								

Field Installation Wiring Diagram

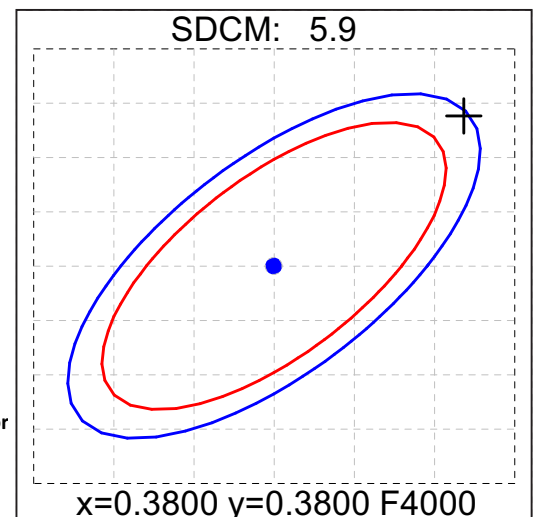
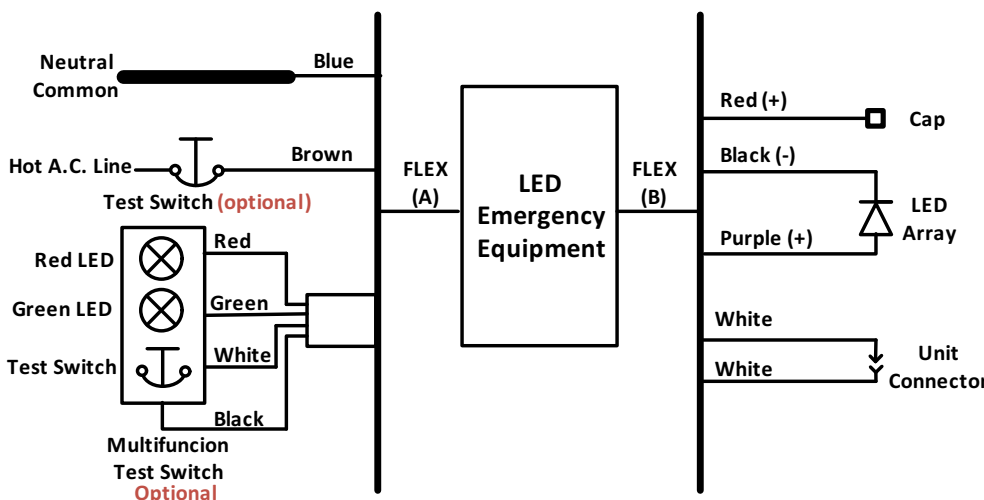
STATUS INDICATORS		PROBLEM	CORRECTIVE ACTION
Green Light	Red Light		
ON steady	OFF	NONE	None, Unit is fully charged and working correctly.
Flashing Slow (2s interval)	OFF	NONE	None, Unit is in Charging mode.
OFF	ON steady	NONE	None, AC is lost and Unit is in Emergency Discharging mode.
OFF	Flashing Slow (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.

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



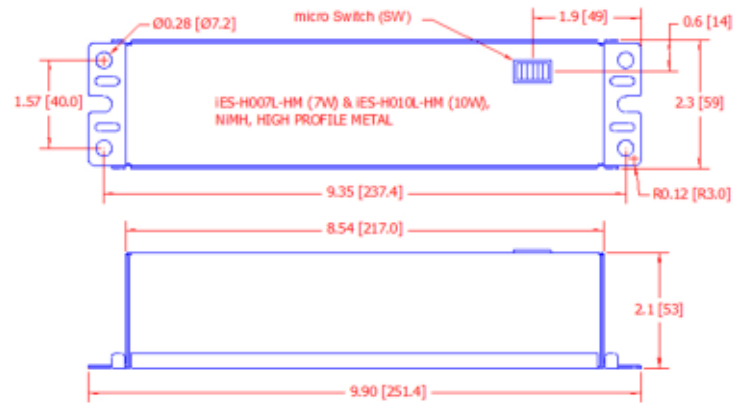
Wireless testing & Reporting Diagrams:



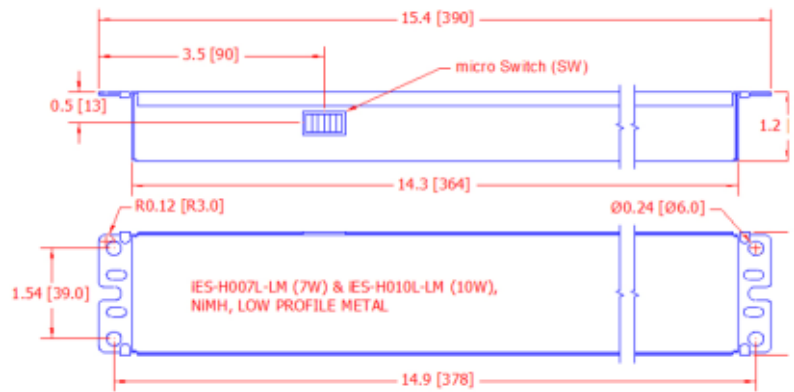
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Mechanical drawings & dimensions:

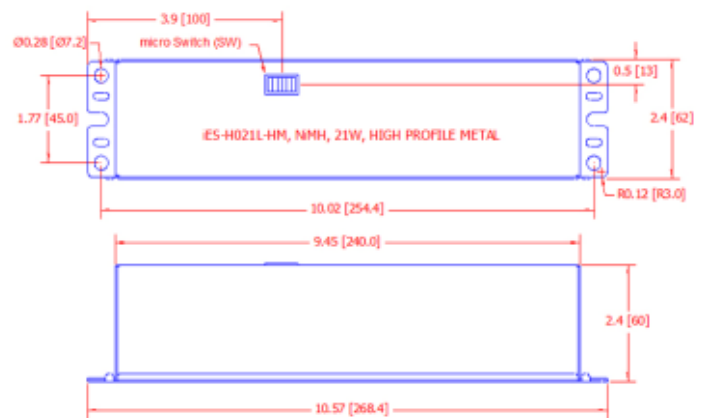
iES-N010L-HM



iES-H010L-LM



iES-H021L-HM



iES-N007L-NP, iES-N010L-NP & iES-N021L-NP,

