



Emergency Drivers for **2-HOUR OPERATION**



Extended Emergency Runtime for Spec Requirements

IOTA® ILB2H and ILBHI 2H Emergency Drivers bring new options for servicing emergency runtime requirements beyond the 90-minute Life Safety Code guidelines. Why 2-hour runtime? Certain applications dictate a 120 minute runtime for emergency lighting. With ILB2H and ILBHI 2H emergency drivers, designers can not only achieve these extended operation requirements, but can also take advantage of additional performance benefits.

Designed to meet 120-minute emergency lighting requirements for:



FEMA Shelter Applications



Canada Egress Requirements



Certain Local and Municipal Codes

The Right Combination of Performance Features for 2-Hour Applications

IOTA® ILB2H and ILBHI 2H Emergency Drivers are designed and manufactured to provide confident compatibility and performance for critical emergency lighting applications. The following product advantages deliver the increased level of emergency functionality for luminaires in these unique installations.



Constant Power

The Constant Power ("CP") design of the ILB2H means wattage output of the emergency driver remains unchanged during operation, resulting in non-diminishing light output of the luminaire. This not only assures end-of-runtime compliance but is ideal for occupants sheltering in place in FEMA applications.



Self Diagnostics

Monthly and annual tests are a Life Safety Code requirement for emergency lighting. ILB2H and ILBHI 2H emergency drivers automatically conduct these required tests and provide diagnostic codes if an issue is encountered.



Input and Output Voltage Compatibility

A full range of solutions are available to accommodate voltage inputs and output application requirements. The ILB2H Series services 120-277VAC applications and the ILBHI 2H provides compatibility with 347-480VAC voltages. Both product families offer standard and "HV" output options for operating either Class 2 or non-Class 2 LED loads.



Low Profile Design with Lithium Technology

Advanced lithium battery technology in the ILB2H and ILBHI 2H means significantly reduced size and weight compared to traditional nickel-cadmium options, resulting in easier installation in fixtures with limited compartment sizes.



Simplified Installation with AC Activate

AC Activate circuitry eliminates manual battery connection during initial installation. Once AC power is supplied to the luminaire, AC Activate automatically engages the battery charging circuitry with no need for a service contractor to revisit the fixture and manually connect the emergency battery.



Two Hour Emergency Drivers

Series	Description	Emergency Wattage	Input Voltage	Output Voltage	Listings
ILB2H CP12 HE SD	2-Hour Constant Power Emergency Driver, Self-Diagnostics / AC Activate	12W (Constant)	120-277VAC	20-55VDC	cULus 924, UL 1310 certified,CA Title 20
ILB2H CP20 HE SD HV	2-Hour Constant Power Emergency Driver, Self-Diagnostics / AC Activate	20W (Constant)	120-277VAC	40-250VDC	cULus 924, CA Title 20
ILBHI CP07 2H HE SD	2-Hour Constant Power Emergency Driver, Self-Diagnostics / AC Activate	7W (Constant)	347-480VAC	15-55VDC	cULus 924, UL 1310 certified,CA Title 20
ILBHI CP12 2H HE SD	2-Hour Constant Power Emergency Driver, Self-Diagnostics / AC Activate	12W (Constant)	347-480VAC	20-55VDC	cULus 924, UL 1310 certified,CA Title 20
ILBHI CP20 2H HE SD HV	2-Hour Constant Power Emergency Driver, Self-Diagnostics / AC Activate	20W (Constant)	347-480VAC	40-250VDC	cULus 924, CA Title 20



CP Constant Emergency Lumen Performance (From Minute 1 to Minute 120)

<p>Consider the significance of Constant Power for 2-hour applications!</p> <p>If this is a shelter-in-place application (ie. not an egress situation) then use Constant Power to avoid diminishing light for sheltering occupants.</p>	Luminaire Efficacy	ILB2H CP12	ILB2H CP20 HV	ILBHI CP07 2H	ILBHI CP12 2H	ILBHI CP20 2H HV
	100 lm/watt	1200 lumens	2000 lumens	700 lumens	1200 lumens	2000 lumens
	110 lm/watt	1320 lumens	2200 lumens	770 lumens	1320 lumens	2200 lumens
	120 lm/watt	1440 lumens	2400 lumens	840 lumens	1440 lumens	2400 lumens
	130 lm/watt	1560 lumens	2600 lumens	910 lumens	1560 lumens	2600 lumens
	140 lm/watt	1680 lumens	2800 lumens	980 lumens	1680 lumens	2800 lumens
	150 lm/watt	1800 lumens	3000 lumens	1050 lumens	1800 lumens	3000 lumens



IOTA ILB2H and ILBHI 2H Emergency Drivers are UL Listed for both field and factory installation in the United States and Canada.



Registered in the MAEDBS (Modernized Appliance Efficiency Database System) as a small battery charger to help meet CA Title 20 energy requirements.