



# AC **ACTIVATE**

## A Smarter Way to Install Emergency Drivers

What is **AC Activate**? AC Activate is an intelligent circuit design that detects the presence of AC power needed to charge the internal batteries of an emergency driver. This eliminates the need for physical battery connectors that must be manually connected or disconnected to prevent the battery from entering a discharge or “emergency” state when not desired (ie. before installation.) The advanced design of AC Activate offers several advantages for installation of your emergency equipment.

### **Faster 1X Installation**

AC Activate technology allows the contractor to make all electrical connections at the time the luminaire is first installed regardless of whether the branch circuit will be energized or not. Contractors will not need to visit the luminaire a second time to connect the battery connector and engage the battery charging circuit when AC power is finally supplied to the fixture.



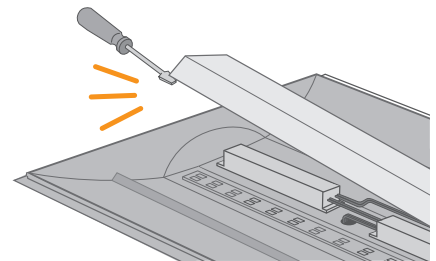
### **Charge Protection**

If physical battery connectors are mated prematurely (before AC power is present) the device will cause the fixture to enter emergency mode and discharge the battery. Anyone attempting to test the emergency lighting (such as a fire marshall or AHJ) will be unable to do so until the battery has been allowed to fully recharge for 24 hours.



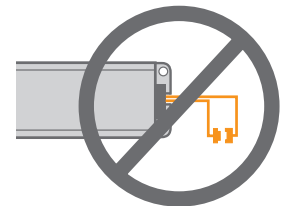
### **Fixture Integrity**

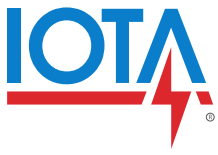
In some instances, connecting physical battery connectors requires the installing electrician to access the wiring compartment of the fixture, possibly compromising integrity of a sealed fixture or risking inadvertent damage to fixture components or housing.



### **Reduced Wiring**

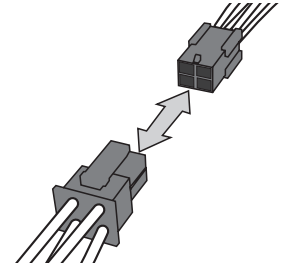
Eliminating the physical unit connectors means less wiring within fixture compartments or junction boxes. Fewer wires make it easier during installation when connecting the normal driver, LED array and emergency unit in the fixture.





## Servicing AC Activate Equipment

When servicing a fixture equipped with an emergency driver, both normal and emergency sources should be disconnected to avoid the risk of electrical shock. With standard emergency products, this is achieved by disconnecting the battery's unit connector. On units equipped with AC Activate, the test switch/charge indicator provides this function: either by simply disconnecting the test accessory or by pressing and holding the test button for a pre-determined time to activate the battery's 'sleep mode.' Refer to individual product instruction manuals for specific details. Once servicing is complete, reconnecting the test switch/charge indicator and restoring AC power will cause the emergency unit to resume standby mode and continue charge maintenance of the battery.



## Emergency Driver Models Featuring AC Activate Technology

Currently, AC Activate is a standard feature on IOTA emergency drivers utilizing low profile lithium battery designs. Refer to the table below for additional details on products equipped with AC Activate:

IOTA Emergency Drivers with AC Activate	Description
ILBLP CP10 HE SD	10W Low Profile Emergency Drivers, 10-60VDC
ILBLP CP15 HE SD	15W Low Profile Emergency Drivers, 10-60VDC
ILBLP CP20 HE SD HV	20W High Voltage Output Emergency Drivers, 55-200VDC
ILBLP CP30 HE SD HV	30W High Voltage Output Emergency Drivers, 55-250VDC
ILBHI CP10 HE SD	10W Emergency Drivers for 347-480VAC, 15-55VDC
ILBHI CP15 HE SD	15W Emergency Drivers for 347-480VAC, 20-55VDC
ILBHI CP20 HE SD HV	20W High Voltage Output Emergency Drivers for 347-480VAC, 55-200VDC
ILBHI CP30 HE SD HV	30W High Voltage Output Emergency Drivers for 347-480VAC, 55-250VDC
ILBDW CP10 HE SD	IP66-rate/NSF-certified 10W Emergency Drivers for 15-55VDC
ILBDW CP15 HE SD	IP66-rate/NSF-certified 15W Emergency Drivers for 20-55VDC
ILBDW CP20 HE SD HV	IP66-rate/NSF-certified 20W High Voltage Output Emergency Driver 55-200VDC 10W Low
ILB2H CP12 HE SD	Two-Hour Operation 12W Low Profile Emergency Drivers, 20-55VDC
ILB2H CP20 HE SD HV	Two-Hour Operation 20W Low Profile Emergency Drivers, 40-255VDC
ILBHI CP07 2H HE SD	Two-Hour Operation 7W Emergency Drivers for 347-480VAC, 15-55VDC
ILBHI CP12 2H HE SD	Two-Hour Operation 12W Emergency Drivers for 347-480VAC, 20-55VDC
ILBHI CP20 2H HE SD HV	Two-Hour Operation 20W Emergency Drivers for 347-480VAC, 40-250VDC