

[COLD-WEATHER / INGRESS PROTECTION]



## IOTA® ILB CP18 HE CW LP64

Emergency LED Driver with Adaptable Lithium Battery

The IOTA® **ILB CP18 HE CW LP64** emergency driver delivers the same confident emergency performance as the ILB CP18 using sealed lead acid batteries, but with the added benefit of a specialized two-part lithium battery design. Designed for outdoor LED fixture applications, the ILB CP18 HE CW LP64 provides emergency egress power in temperatures ranging from -20° to 60°C.

### Standard Performance Features



#### Designed for -20° to 60° C

The ILB CP18 design provides reliable performance in extended temperatures without the use of an additional thermal blanket and circuit.

#### 18W Constant Power

IOTA's patented Constant Power performance ensures the LED array operates at the full rated wattage for the entire emergency runtime, from Minute 1 to Minute 90.

#### Auto-Sense Forward Voltage

The ILB CP18 automatically detects the needed forward voltage of **20 to 58VDC** to operate the LEDs at the needed voltage, provides confident compatibility for Class 2 luminaire designs.

#### IP Rated Test Switch

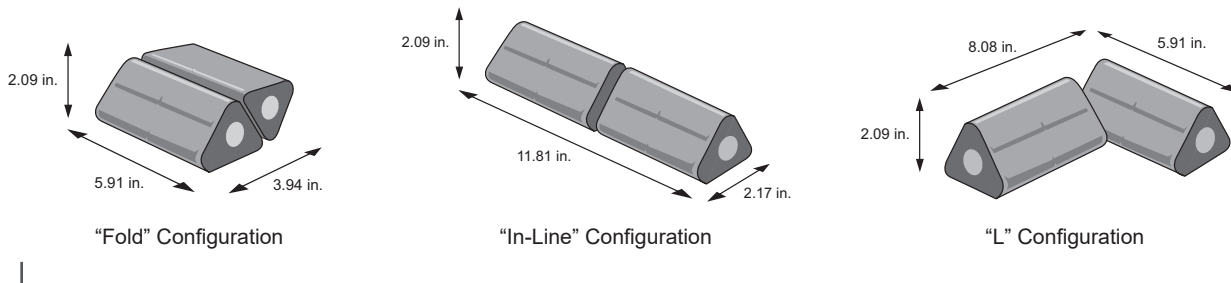
The IP67 rated test switch provides physical testing functionality while protecting against intrusion of moisture or debris within the fixture.

#### CA Title 20

IOTA's High-Efficiency "HE" design helps meet CA Title 20 energy requirements and is registered in the Modernized Appliance Efficiency Database System (MAEDBS) as a small battery charger ("BC").

### Added Versatility with the LP64 LiFePO<sub>4</sub> Battery Component...

The configurable two-piece lithium component design of the ILB CP18 HE CW LP64 allows the battery to adapt to unique and restrictive fixture space requirements.



#### Additional Benefits of the Lithium LP64 Battery Design:

- Significant weight reduction compared to lead-acid options
- Venting valve not required when installed in sealed and gasketed luminaires



**Specifications**

Input Voltage.....	(Universal) 120-277VAC, 50/60Hz
Input Rating (120/277).....	65 mA (max)
Output Voltage.....	20-58VDC Class 2 Compliant
Output Current.....	0.9A (@20VDC) - 0.31A (@58VDC)
Output Power.....	18 Watts (constant)
Max. AC Driver Output Current.....	5A <sub>dc</sub>
Power Factor.....	≥ 0.9*
Surge Protection.....	Meets or Exceeds ANSI/IEEE C62.41.2-2002
Emergency Operation.....	90 minutes
Operating Temp.....	-20° to 60° C
THD.....	< 10%
EMI.....	Complies to FCC commercial limits
Battery.....	LiFePO <sub>4</sub> 24 Hour Recharge
Weight (incl. batteries).....	3.44 lbs
Certifications.....	UL Recognized Component for factory installation in the U.S. and Canada CA T20 Appliance Efficiency Database

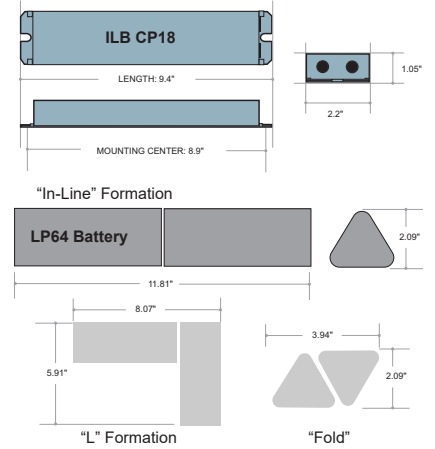
\* PF is ≥0.6 for 277Vac



**Dimensions**

ILB CP18 HE CW LP64 Component Housing:  
9.4" x 1.05" x 2.2"

ILB CP18 HE CW LP64 Battery (fold):  
5.91" x 3.94" x 2.09"



Fixture Efficacy	Minute 1	Minute 45	Minute 90
100 lm/W	1800	1800	1800
110 lm/W	1980	1980	1980
120 lm/W	2160	2160	2160
130 lm/W	2340	2340	2340

**Model Ordering**



**Understanding Your IOTA Driver Model:**

- ILB = IOTA Emergency LED Driver
- CP\*\* = Constant Power Performance at the rated wattage
- HE = High Efficiency for CA Title 20
- CW = (Cold Weather) Extended Temperature Performance

Two-Part LiFePO<sub>4</sub> battery



**Installation**

The ILB CP18 HE CW LP64 and batteries are designed for installation within the fixture space. An IP67-rated test accessory (IPS) is provided to serve as a charge indicator and test switch outside the fixture.

