



Certified in CA TITLE 20
Appliance Efficiency Database -
Battery Charger



DESCRIPTION

The **ILB CP18 HE CW LP64** from IOTA is a UL Recognized LED emergency driver that allows the same LED fixture to be used for both normal and emergency operation in ambient temperatures of **-20° to 60°C**. In the event of a power failure, the **ILB CP18 HE CW LP64** switches power from the normal LED driver and operates the LEDs in the emergency mode for **90 minutes**. The unit includes a charger and converter circuit in a reduced-profile housing and a separate flexible LiFePO₄ battery component that offers a large range of mounting options. The **ILB CP18 HE CW LP64** will operate an LED array load at **18 watts** with **constant power** at a rated output voltage of **20V-58V**. The Constant Power design of the **ILB CP18 HE CW LP64** maintains the output wattage to the LED array resulting in non-diminishing illumination for the entire runtime. Includes single-piece IP67 rated test switch and charge indicator accessory.

SPECIFICATIONS

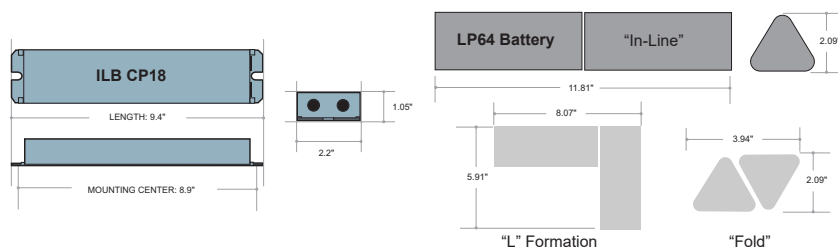
Input Voltage	(Universal) 120-277VAC, 50/60Hz
Input Rating (120/277)	65 mA (max)
Output Voltage	20-58VDC Class 2 Compliant
Output Current	0.9A (@20VDC) - 0.31A (@58VDC)
Output Power	18 Watts (constant)
Max. AC Driver Output Current	5Adc
Power Factor	≥ 0.9*
Surge Protection	Meets or Exceeds ANSI/IEEE C62.41.2-2002
Emergency Operation	90 minutes
Operating Temp	-20° to 60° C
THD	< 10%
EMI	Complies to FCC commercial limits
Battery	LiFePO ₄ 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 (in-line): 11.81" x 2.17" x 2.09"



MODEL NO: _____
TYPE: _____
PROJECT: _____
COMMENTS: _____

LUMEN PERFORMANCE

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

PRODUCT ADVANTAGES

- **Auto-Sensing Class 2 Output**
Auto-adjusting 20-58VDC output range accommodates a wide range of Class 2 forward voltage LED designs
- **Constant Power Performance**
Constant wattage delivery maintains illumination for the full emergency runtime with no degradation
- **Extended Temperature Performance**
-20° to 60°C ambient temperature performance is ideal for outdoor paths of egress and freezing environments.
- **Adaptable Two-Part Battery**
Two-part lithium battery component can be adjusted to accommodate fixture compartment spaces as needed.

FEATURES

- UL 1310 Certified, Output Class 2 Compliant
- Circuitry enclosed in galvanized steel housing
- Includes single-piece IP67 rated test switch and charge indicator accessory kit
- Reduced weight, maintenance-free, high temperature LiFePO₄ lithium battery designed for long life
- For use with switched or unswitched fixtures
- **3-Year Warranty.**
- Meets or exceeds all NEC, IBC, and Life Safety Code Emergency Lighting Requirements
- Suitable for use in damp location and IP67 rated enclosed and gasketed luminaires (no venting valve required.)
- RoHS Compliant



ILB CP18 HE CW LP64

Constant Power Emergency LED Driver Kit for Cold Weather Applications

ORDERING GUIDE

- ILB
- CP18
- HE
- CW
- LP64

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 LiFePO₄ battery



Emergency Lumen Performance - ILB CP18 HE CW

Approx. Luminaire 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

Warranty: 3-Year Limited Warranty
Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx