

PROJECT:	
CATALOG #	
TYPE:	DATE:

EMERGENCY BATTERY BACKUP

DESCRIPTION

This battery backup unit delivers emergency power to a wide range of LED fixtures. In the event of a power outage, it supplies the connected fixture with 90-minutes of light, enabling sufficient visibility for occupants to safely exit the space.

This unit is intended to support higher output fixtures, up to 300W, **must have 0-10VDC +/- dimming connections for fixtures over 40W** providing enough power for the fixture to meet standard footcandle requirements for emergency lighting. Automatic monthly self-testing ensures that the fixture is always ready, and the paired indicator module gives a visual confirmation of the operational status.



FEATURES

- Provides 90 minutes of emergency light during power loss
- Automatic monthly self-testing
- Manual testing via remote control (optional)
- Compatible with dimmable fixtures with 0-10VDC (+/-) terminals or leads using less than 300W
- UL approved for damp locations
- 50,000-hour rated life
- 5-year warranty

APPLICATIONS

- Emergency battery backup

CERTIFICATIONS



SPECIFICATIONS

Life (@L70): 50,000 hours

Warranty: 5 years

PERFORMANCE

Operating temp: 32°F to 122°F (0°C to 50°C)

Efficacy (LPW): N/A

CRI: N/A

ELECTRICAL

Input voltage: 120-347V

Output voltage: 170Vdc

Output Power: 40 Watts

Input frequency: 50/60Hz

Input Current: 200mA max

Input power rating: 12W max

PF: N/A

THD: N/A

Surge protection: N/A

Dimming: 0-10 vdc. Connected fixtures over 40W must have DIM +/- connections.

Minimum dimming: N/A

Aux. Voltage: N/A

Driver CL: N/A

Whip/Cord: 18" MC cable whip

Sensor: N/A

OPTICAL

Beam: N/A

Lens: N/A

UGR: N/A

PHYSICAL

Operation Time: 90 Minutes

Recharge Time: 24 hours

Weight: 2.66 lbs.

Battery: Li-ion

INDUSTRY STANDARDS/RATINGS

IP: N/A

IK: N/A

Location: Damp

IC: N/A

UL/ETL: UL

FCC: Yes

RoHS: Yes

UL924 Compliance: Yes

DIMENSIONS / WEIGHT

	LENGTH	WIDTH	HEIGHT	WEIGHT
EB40	12.32"	2.32"	1.48"	2.66 lbs

OPERATION

- Fixtures will operate normally when power is available. When an outage occurs, the fixture will switch to battery backup, delivering power to the fixture for up to 90 minutes.
- If the EB40 battery runs out, the fixture will turn off until power is restored. Once restored, the EB40 battery will begin charging.

INDICATOR LIGHT

- In AC operation, the indicator light will remain on.
- During emergency operation, the indicator light will flash slowly (on for 2 seconds, off for 2 seconds).
- If a problem is detected, the indicator light will flash quickly (on for 0.2 seconds, off for 0.2 seconds).

TEST SWITCH

- In AC operation, press the test switch once to enter emergency mode for 30 seconds.
- In AC operation, press test switch twice in succession within two seconds to enter emergency mode full discharge.
- While in emergency mode, press the test switch to turn off emergency operation. The LED fixture and indicator light will turn off simultaneously.

TEST REMOTE

- In AC operation, press the "A" button to enter emergency mode for 30 seconds.
- In AC operation, press the "B" button to enter full discharge emergency mode for 90 minutes.
- In emergency mode, press the "A" button to exit emergency mode.
- With the antenna extended, remote range is up to 40 feet.

ORDERING

Each EB40 unit comes with the test switch/indicator light and the remote control.



MODEL #	DESCRIPTION	WATTS	VOLTS	OPERATING TIME
EB40	40W Emergency Battery Backup	40	120-347	90 minutes

COMPATIBILITY

LED HIGH BAY PL	LED HIGH BAY SL	LED LINEAR HIGH BAY
HBC115XX	HSB150XX	LHB88
HBC115XXT	HBS100B2XXDLP	LHB112
HBC175XXT	LED HAZARDOUS LOCATION	LHB148
HBC220XXT	HBE150B150DLP - [1>	LHB248
HBC240XX	HBE200B150DLP - [1>	LED LINEAR HIGH BAY C-SERIES
LED NSF HIGH BAY	LED HIGH CEILING PANEL	LHBC105
HBF150XX	HOPT2	LHBC155
HBF100WXXDLP	HOPT4 - </= 260W. Not for 290 & 325W.	LHBC200
HBF150W7XXDLP		LHBC240

[1> EB40 is not Hazardous Location Rated. Must be remote mounted.

The EB40 is compatible with all LED fixtures using less than 300W. **ALL FIXTURES (OVER 40W) MUST ALSO INCLUDE 0-10V DIMMING.**

UL924 STATEMENT OF COMPLIANCE AND COMPATIBILITY

PLEASE NOTE: When used with a sensor-equipped fixture from the Approved List of Litetronics fixtures below, the sensor will be bypassed and disabled by the EB40 when wired correctly per the installation instructions and cause the fixture to remain illuminated during periods of vacancy when the compatible fixture is powered by the EB40 power source. As such, EB40 is UL924 compliant.

Approved Fixtures WITHOUT SENSOR

LHB88, 112, 148, 248, HBC115, HBC240, HBC175**T, HBC220**T, HBE150, 200, HBF150, HBS100, 150, HOPT2,4, LHBC105-240

Approved Fixtures WITH SENSOR

HBS100, 150, LHB88-248

Unapproved Fixtures

HBC175, HBS200, LHB148HV