



Battery Backup Universal Mount Exit Sign

FirstLink Compatible for Automated Testing and Reporting

Universal Single and Double-Faced

UV Stable Thermoplastic Housing

UL 94 5VA Flame Rating



Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Qty: _____
 Notes: _____

Product order number:

BXBWFL1 (with FirstLink)

BXBW1 (without FirstLink)

12 NC number:

913702495701

913702496001

Specifications

Regulatory

Listed to UL 924 for Field Installation in US and Canada (Indoor and Damp)
 NFPA 70 (National Electric Code)
 NFPA 101 (Life Safety Code)
 DOE Compliant

Illumination Time

90 Minutes

AC Input Voltage

Universal input 120 - 277 VAC, 50/60 Hz

AC Input Current (max)

120 Vac = 55 mA
 277 Vac = 35 mA

Recharge Time

24 Hours

Charging Indicator Light / Test Switch

Integrated LED Test Switch

Temperature Rating (Ambient)

50° F to 104° F (10° C to 40° C)

Battery

Integral Maintenance-Free Lithium-Ion Battery

Construction

White thermoplastic housing
 UL94 5VA flame rated, UV stable
 Contractor friendly snap together design
 Electronics and battery contained within housing

Installation

Universal wall/end/ceiling mounting (universal mounting adapter provided for wall and end mounting)
 Back plate keyhole slots are easily removable
 Knockouts for securing to a 3" or 4" j-box
 Pop-out directional indicating chevrons easily removed as required
 Extra stencil face plate provided for double faced applications

Sign Color

Red or Green LEDs (selectable)

Wireless range*

40' (typical minimum)
 80' (line of sight)

Surge Rating

NEMA/ANSI C82.77-5-2017 100kHz Ring Wave (w/t 30Ω)
 >2.5kV Differential (L-N)
 >2.5kV Common (L-G, N-G, L&N-G)

Dimensions

8.00" H x 11.25" W x 1.83" D
 (203 mm x 286 mm x 46 mm)

Weight

2.6 lbs. (1.18 kg)

Warranty

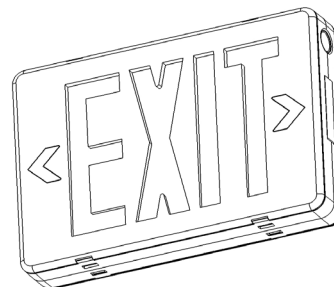
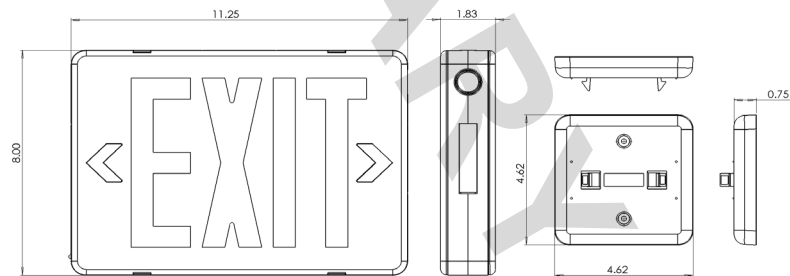
5 Years (not pro-rata)

*Wireless range can be impacted by many factors, which must be taken into account during the system design.

Benefits

- FirstLink connectivity for easy emergency lighting system testing and maintenance (if equipped)
- Easy installation with ABCConnect
- Automatic code-compliant testing
- UL 924 Listed for field installation
- Meets DOE efficiency standards
- Universal mounting
- Universal single and double-faced
- Two versions available, with and without FirstLink connectivity

Dimensions



BeamGuide – BXB

Battery Backup Exit Sign



FirstLink

The Bodine BXB can be connected to the Bodine FirstLink application. FirstLink makes testing and reporting the status of a facility's emergency lighting system quick and easy. The FirstLink application enables the interconnection of FirstLink compatible exit signs, unit equipment, and emergency drivers and allows for the collection of product test results, the collation of that data into reports, and additional controls over the devices. For full details on what FirstLink and the FirstLink application can do, please see the FirstLink Application Guide.

The FirstLink app is available for both iOS and Android smart phones and can be found on the App Store and Google Play.

Application

The Bodine BeamGuide BXB Battery Backup Exit Sign is a connected, high efficiency, emergency exit sign with integral battery backup to indicate the emergency path of egress. The BXB comes with self-testing/self-diagnostic features, along with Firstlink connectivity, to ensure the product is always ready for an emergency and to simplify code compliance testing and maintenance.

Operation

When under normal power, the BXB's internal battery charges and the exit sign lettering is illuminated. Upon failure of normal power, the BXB begins providing emergency power to the exit sign lettering using the internal battery for a minimum of 90 minutes. When normal power is restored, the BXB automatically returns to charge mode. The battery capacity is fully restored in 24 hours.

During automated testing, the BXB simulates an AC power outage which causes the unit to switch to emergency mode and conduct a discharge test to monitor battery voltage and load operation. If a problem is detected the status indicator light flashes and the failure is logged. When testing is complete, the BXB returns to the charging mode. Automatic testing is conducted for 30 seconds once a month and 90 minutes once a year.

ABConnect (Automatic Bodine Connect) simplifies shipping, storage, installation, and commissioning of the emergency lighting luminaire. It allows for the luminaire to be installed and made ready for use without needing to reopen the luminaire when AC power is available, also avoiding unnecessary drain on the battery. Once activated, the product can also be manually disabled, allowing the product or the luminaire to be safely stored for extended periods of time. In the situation where the user manually deactivates the emergency operation for shipping or storing product via the test switch, the Automatic Bodine Connect feature reactivates power when the driver senses that AC current is applied. This feature saves time, labor and the potential to overlook the converter connector step. This reduces the

possibility of inadvertently discharging the battery prior to installation, whether in transit or storage.

Installation

The BXB can be either surface, wall, or ceiling mounted, as required by the end application. Canopy not required for surface mounting (electronics contained inside housing). Exit sign mounts to standard single gang, 3" and 4" electrical boxes (canopy provided). All exit signs are provided with an extra stencil face plate for double face sign applications. The BXB includes pop-out chevron directional indicators that are easily removed when required. The BXB requires unswitched AC line to illuminate the exit sign under normal mode, to charge the battery, and to identify when normal power is lost and when the unit must switch into the emergency mode.

Code Compliance

The BXB has been tested by Underwriters Laboratories in accordance with the standards set forth in UL 924, "Emergency Lighting and Power Equipment". The BXB is UL Listed for field installation. Emergency illumination time exceeds the National Electrical Code (NEC), Life Safety Code (NFPA-LSC), and UL 90-minute requirements.

Warranty

The BXB is warranted for five (5) years from the date of manufacture. This warranty covers only properly installed product used under normal conditions. For the warranty period, Bodine will, at its option, repair or replace without charge a defective product provided it is returned to the factory transportation prepaid. An inspection will be conducted to determine if the unit is defective under the terms of the warranty. Repair or replacement, as stated, shall constitute the purchaser's exclusive warranty, which does not extend to transportation, installation, labor or any other charges; nor does it apply to any equipment of another manufacturer used in conjunction with the product.

Specification

Emergency exit indication shall be provided by using the FirstLink Bodine BXB Battery Backup Exit Sign from Bodine. Electronic circuitry shall be self-testing in design and automatically test emergency lighting for a minimum of 30 seconds every 28 days and 90 minutes once a year.

When connected to the FirstLink app, the BXB test data will be collected, test results reports generated, and additional control and data are to be had.

The BXB shall provide emergency egress indication at 10°C to 40°C for a minimum of 90 minutes, and shall exceed emergency standards set forth by the current NEC. This device shall comply with Part 15 of the FCC Rules, and meet DOE (Department of Energy) efficiency standards. It shall be UL Listed, suitable for damp locations, and warranted for five years from date of manufacture.

BeamGuide - BXB

Battery Backup Exit Sign

Ordering Guide

Example: BXBWFL1

Product Category	Sign Color	Housing Color	Options	Generation
BXB	<input type="checkbox"/>	W	FL	1
BXB Bodine Exit Sign (Family B)	Blank Both Red & Green Letters (selectable)	W White Housing	FL (with FirstLink) Blank (without FirstLink)	1

Lithium Battery Shipping Regulations

To comply with IATA provisions for air transporting lithium batteries, please visit <https://www.iata.org/en/programs/cargo/dgr/lithium-batteries/>.

To view a Classification Flowchart for package marking requirements, please visit [Battery Guidance Document](#).

The BXB battery cell capacity is less than 20Wh, and the battery pack capacity is less than 100 Wh.

