



Exit Sign and Unit Equipment/Emergency Light in One Assembly

**FirstLink Compatible for Automated Testing and Reporting**

High Lumen Output / Up to 75-foot Spacing

Universal Single and Double-Faced

UV Stable Thermoplastic Housing

UL 94 5VA Flame Rating



Project: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Cat.No: \_\_\_\_\_  
 Type: \_\_\_\_\_  
 Qty: \_\_\_\_\_  
 Notes: \_\_\_\_\_

**Product order number:**

BCB4WFL1 (with FirstLink)

BCB4W1 (without FirstLink)

**12 NC number:**

913702495801

913702496101

### 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)
- CEC Title 20 Compliant
- DOE Compliant

**Emergency Output Lumens (lamp heads)**

- 620 lumens (total)
- Fixture spacing – see page 3

**Illumination Time**

90 Minutes

**AC Input Voltage**

Universal input 120-277 VAC, 50/60 Hz

**AC Input Current (max)**

- 120 Vac = 59 mA
- 277 Vac = 37 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 ceiling and end mounting)
- Back plate keyhole slots are easily removable
- Knockouts for securing to a single gang, 3" or 4" j-box
- Pop-out directional indicating chevrons easily removed as required
- Extra stencil face plate provided for double faced applications

**Lamps**

- Two (2) 2.2 W LED lamp sources (5000K)
- Lamp heads adjustable

**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 15.75" W x 1.83" D
- (203 mm x 400 mm x 46 mm)

**Weight**

2.9 lbs. (1.32 kg)

**Warranty**

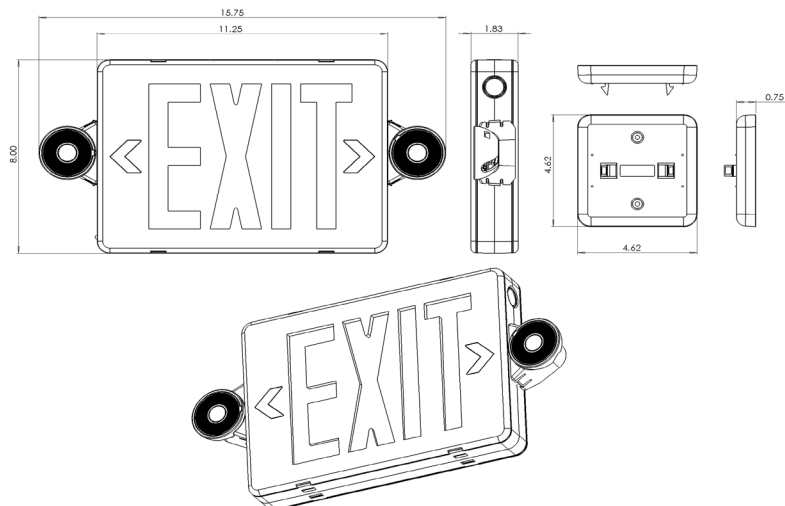
5 Years (not pro-rata)

\*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 ABConnect
- Automatic code-compliant testing
- UL 924 Listed for field installation
- Meets CEC (California Energy Commission) Title 20 efficiency standards
- Meets DOE efficiency standards
- Universal mounting
- Universal single and double-faced
- Two high lumen output, adjustable LED lampheads
- Higher spacing distance between devices
- Two versions available, with and without FirstLink connectivity

### Dimensions



# BeamGuide – BCB

## Combo Exit – Exit Sign + Unit Equipment/Emergency Light



### FirstLink

The Bodine BCB 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 BCB Combo Exit Sign is a multi-purpose product that combines the benefits of an emergency exit sign and high performance emergency lighting unit equipment to indicate and illuminates the emergency path of egress.

Two lamp heads can be adjusted to provide optimum illumination and the unit 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 BCB's internal battery charges and the exit sign lettering is illuminated. Upon failure of normal power, the BCB begins providing emergency power to the lamp heads and exit sign lettering using the internal battery for a minimum of 90 minutes. When normal power is restored, the BCB automatically returns to charge mode. The battery capacity is fully restored in 24 hours.

During automated testing, the BCB 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 BCB 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 BCB can be either surface, wall, or ceiling mounted, as required by the end application. Canopy not required for surface mounting (electronics contained inside housing). The BCB includes pop-out chevron directional indicators that are easily removed when required. Exit sign mounts to standard single gang, 3" and 4" electrical boxes (canopy provided). The BCB 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.

### Emergency Illumination

The BCB lamp heads provide 520 lumens of code compliant emergency illumination at unit-to-unit spacings up to 76'. For more information, see the illustration and table on page 3.

### Code Compliance

The BCB has been tested by Underwriters Laboratories in accordance with the standards set forth in UL 924, "Emergency Lighting and Power Equipment". The BCB 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 BCB 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 and egress path lighting shall be provided by using the FirstLink Bodine BCB Combo 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 BCB test data will be collected, test results reports generated, and additional control and data are to be had.

The BCB shall provide emergency lighting 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 - BCB

## Combo Exit - Exit Sign + Unit Equipment/Emergency Light

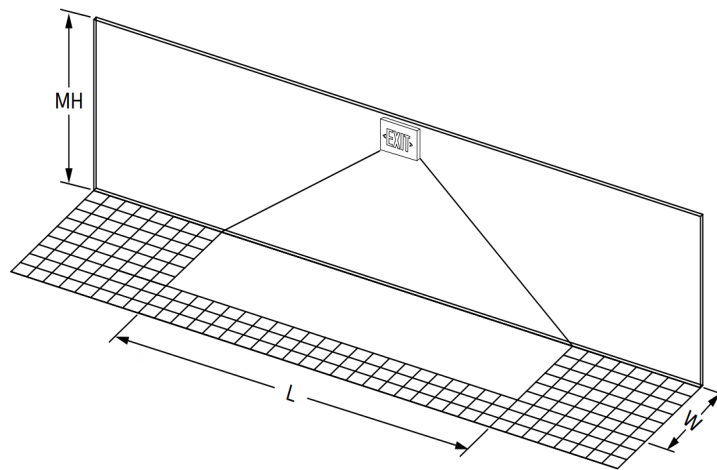
### Performance

Meets Life Safety Code Illumination standard average of 1.0 FC, no point less than 0.1 FC max to min ratio of 40:1. Assumes open space with no obstructions. NFPA 101, Life Safety Code matches California Fire Code of Regulations, Title 24. Normal operation (off/standby) is not to be confused with emergency operation.

FirstLink BCB combo exit performance				
	80/50/20 Reflectance <sup>†</sup>		10/10/10 Reflectance <sup>‡</sup>	
	3' Path	6' Path	3' Path	6' Path
Single Unit Coverage	74'	61'	67'	53'
Center-to-Center	75'	64'	71'	54'

<sup>†</sup>Based on 6ft corridor and 9ft ceiling height and a mounting height of 7.5ft.

<sup>‡</sup>Based on 200ft by 200ft open area and 30ft ceiling height.



### Ordering Guide

Example: BCB4WFL1

Product Category	Lumen Level	Sign Color	Housing Color	Options	Generation
<b>BCB</b>	<b>4</b>	<input type="checkbox"/>	<b>W</b>	<b>FL</b>	<b>1</b>
<b>BCB</b> Bodine LED Exit/Unit Combo (Family B)	<b>4</b> 620 Lumens	<b>Blank</b> Both Red & Green Letters (selectable)	<b>W</b> White Housing	<b>FL</b> (with FirstLink) <b>Blank</b> (without FirstLink)	<b>1</b>

### 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 BCB battery cell capacity is less than 20Wh, and the battery pack capacity is less than 100 Wh.

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