

Job: _____	Type: _____
Model: _____	Date: _____



■ about

The **BBXW** is a powerful, environment-friendly emergency lighting solution that utilizes LiFeP04 (LFP) batteries. Its high-powered LED lamp heads deliver industry-leading 118' path of egress spacing. Suitable for wet locations.

■ internal

The **BBXW** emergency lighting unit is one of very few units that consumes a trickle amount of power once charged. When multiplied by the total amount of units installed on site, this equates to a substantial savings over the years in service. The unit is configured with a wide input voltage range of 120 to 277VAC @ 50/60 Hz. The low power consumption of the BBXW is California Energy Commission (CEC - T20) compliant. The fixture has an operating temperature of 5°C to 50°C (41°F to 122°F) with the cold location (CL version) being -20°C to 50°C (-4°F to 122°F).

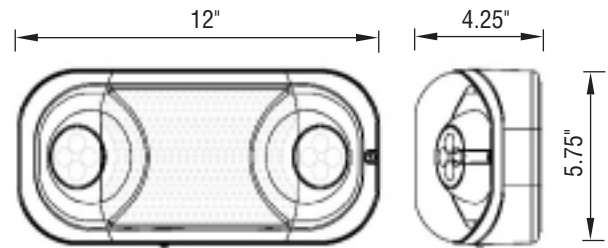
■ external

The **BBXW** is constructed from high-impact, UV stabilized, UL 5VA flame-resistant, polycarbonate material suitable for wet locations protecting it against corrosion, denting, peeling and scratching. Its plastic enclosure is made with 5VA flame retardant and UV resistant materials. Stainless steel screws for added corrosion resistance. Two 1W LED lamp heads (220 lm total) come with the BBXW, while two 5.4W LED lamp heads (1450 lm total) come with the BBXW HO.

■ ordering information

Model	Description
BBXWSECL	Outdoor emergency unit, 220 lm, 35' on center spacing, white, 120-277V, autotest, cold location, (-20°C), wet location, Title 20
BBXWSECLB	Outdoor emergency unit, 220 lm, 35' on center spacing, black, 120-277V, autotest, cold location, (-20°C), wet location, Title 20
BBXWSEHO	Outdoor emergency unit, 1450 lm, 118' on center spacing, white, 120-277V, autotest, wet location, Title 20
BBXWSEHOB	Outdoor emergency unit, 1450 lm, 118' on center spacing, black, 120-277V, autotest, wet location, Title 20

■ dimensions



Series	A	B	C
BBXW	12"	4.25"	5.75"
	304.8mm	107.95mm	146.05mm

■ weight: 3.3 lb

■ electrical

BATTERY: The **BBXW** utilizes a maintenance-free, environmentally friendly LiFePO4 (Lithium Phosphate) battery, known for using only a miniscule amount of power once charged. LiFePO4 batteries are one of the safest battery technologies available due to their thermal and chemical stability. The cell's chemistry allows for environmentally friendly disposal, thus making it one of the "greenest" power sources on the market. This unit provides best-in-class performance with its high-power density and extremely low discharge rate. A fully charged pack disconnects from the charging circuit, no longer drawing power. When multiplied by the number of units on site, this is a massive savings over the service life of the fixtures. Recharge time is 24 hours.

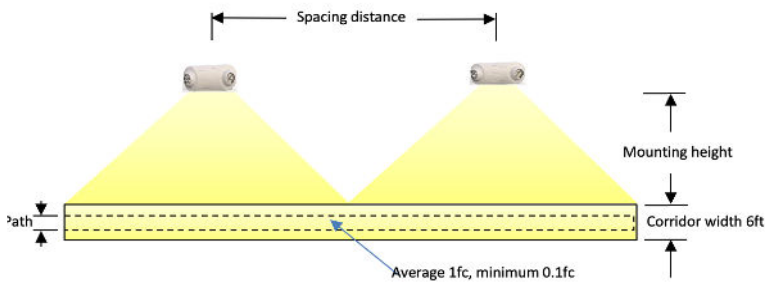
CIRCUIT: The **BBXW** has a wide input voltage range of 120-277V @ 50/60Hz. A solid-state switching transistor eliminates damaged contacts or mechanical failures associated with relays. The switching circuit is designed to detect a loss of AC power and will automatically energize the lamps. Once the AC voltage is restored, the emergency lamps will turn off and the charging circuit will automatically recharge the battery.

■ installation

A universal J-box mounting pattern and rear keyhole slots are provided to surface mount unit to ceiling or wall.

■ photometrics and spacing

NFPA 101 requires 1.0 foot-candle average and 0.1 foot-candle minimum with a 40:1 maximum/minimum ratio



Model	Mounting Height (ft)	Spacing (6 ft wide corridor)	
		6ft width	3 ft width
BBXWSECL	7.5	28	35
BBXWSECL	10	26	28
BBXWSEHO	7.5	109	118
BBXWSEHO	10	95	109

Disclosure: Spacing is measured in lab conditions with an assumed open space, no obstructions and reflection rates of 80 (ceiling)/ 50 (walls)/ 20 (floor) with the corridor measuring 100 feet long. Actual spacing may vary depending on what environment the fixture is installed in.

■ autotest

The **BBXW** includes the Beggelli Autotest diagnostic system. Autotest features continuous monitoring of the unit's main components (battery, charger, solid-state transformer, & LEDs) and provides instant visual verification of the status.

SYSTEM FEATURES:

- Monitors battery, disconnection, charger failure, LED failure and transformer fault every 5 seconds without discharging the battery.
- Automatically indicates LED, battery and charger status by flashing the red in a prescribed sequence. Refer to Autotest instruction manual.
- Factory preset Autotest does not need to be field adjusted or reset for proper operation.

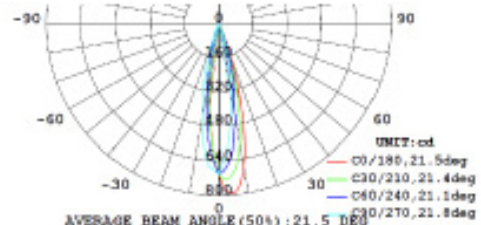
AUTOTEST FUNCTIONS:

- Three (3) minute Autotest once a moth.
- Ninety (90) minute Autotest every twelve (12) months.

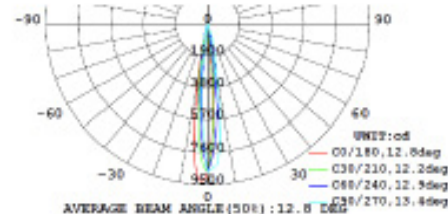
Refer to Autotest instruction manual for detailed operation of the Autotest function.

■ warranty

The **BBXW** comes with a 3 factory warranty. Battery is protected for five years. Deliberate damage, misuse, improper installation effectively cancel this warranty. Find complete warranty details online at beghelliusa.com.



For BBXWSECL, beam angle = 21.5 degrees



For BBXWSEHO, beam angle = 12.8 degrees