

EBRC

RECESSED LED EMERGENCY UNIT

The commercial EBRC features a plastic recessed battery unit designed to provide an architectural solution to emergency lighting needs within a small and compact design. Available in round or rectangular trims making it great for a variety of interior designs. The EBRC series is configured with four 1 W LED heads and can run for 90 minutes duration as a standalone unit.



FEATURES & SPECIFICATIONS

CIRCUITRY

- 120/277 VAC Input
- Solid state variable rate charger
- 90 minutes emergency power duration
- Momentary push button test switch
- Pilot LED for AC ON and CHARGE status
- Fully automatic, current limiter charger
- Short circuit protection
- 4.8V maintenance free, nickel-metal hydride battery (NiMH)
- Autotest option available

APPROVALS

- CSA C22.2 #141-15

MECHANICAL

- Injection-molded, engineering grade, thermoplastic housing construction
- Thermoplastic trims Oval and Rectangle standard
- Long lasting, efficient, ultra-bright white LED lamp heads
- 4x 1 W LED
- Unique all inclusive lamp, reflector and lens assembly
- LED lamp heads provide 50ft spacing center-center
- Bar hangers on the back box for recessed mount
- Compatible with drop ceiling mount installations
- White or Black colour available

OVERVIEW

LIGHT SOURCE

LED

INPUT VOLTAGE (V AC)

120-277



LED



Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions.
 All products are subject to change or may be discontinued any time without notice.

TYPICAL SPECIFICATION



TYPICAL SPECIFICATION

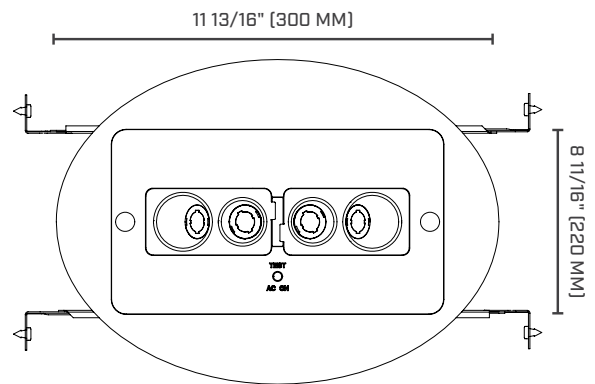
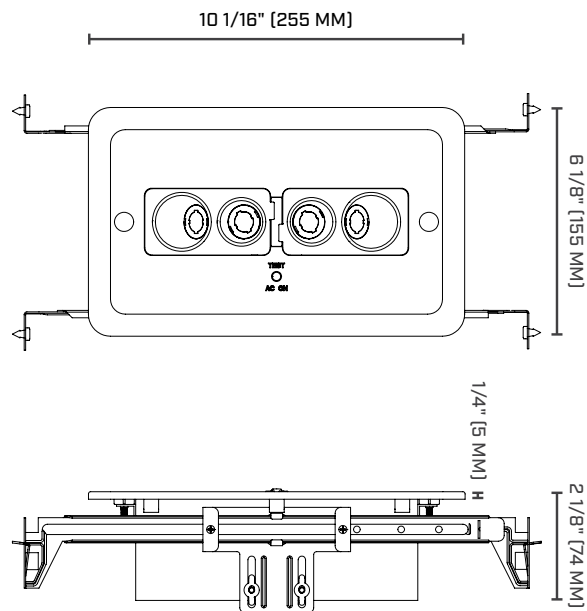
Supply and install Aimlite EBRC. The unit shall be rated 120 V/277 V, constructed of durable thermoplastic housing and be CSA listed to C22.2 141-15, and ICES 005 compliant. The unit shall consist of 2x LED ultra- bright light source, 4 W LED total consumption, 198 total delivered lumens, high-performance nickel-metal hydride (NiMH) battery, and 90 minutes back-up.

The charge voltage factory set to $\pm 1\%$ tolerance. High efficiency, rapid recovery, precision control charging system shall be employed to promote long battery life and reduce the potential for grid corrosion. The charger shall provide a continuous high charge to recharge the battery, when the battery is at full capacity, the charger will shut-off. Periodically the charger shall provide a pulse of energy to keep the battery at full voltage. The pulse charger shall be precisely regulated and shall charge the battery in relation to its temperature, state of charge and input voltage fluctuations. The charger shall be current limited, temperature compensated, short-circuit proof and reverse polarity protected. The unit shall be furnished with an electronic lockout circuit, which will connect the battery when the AC circuit is activated, and an electronic brownout circuit, which will activate the emergency lights when utility power dips below 75% of nominal voltage. A low voltage battery protection circuit shall be provided and will disconnect the load when the battery reaches the end of discharge. The Aimlite battery shall come complete with an auto diagnostic micro-controller board and shall supply the rated load for a minimum of a 1/2 hour to 87.5% of the rated battery voltage. The Aimlite battery unit shall come complete with the Auto Test function. The automated testing performed by the Aimlite auto test system has been designed to comply with all the requirements of the National Fire Code. Every month a 5-minute discharge and diagnostic test checks the operational status of the unit. Every 12 months, this test is extended to the full 30-minute, code required duration. This ensures that the battery charger is recharging the battery in accordance with code requirements. The unit shall be Aimlite model: EBRC_____

ORDERING GUIDE

EBRC			
SERIES	COLOUR	INPUT VOLTAGE	OPTIONS
EBRC	WHT - WHITE BLK - BLACK	2 - 120/277	ATD - AUTOTEST

DIMENSIONS



SPACING GUIDE

MOUNTING HEIGHT	SPACING CENTER TO CENTER (FT)
9 FT	46
10 FT	49
12 FT	46

LUMEN TABLE

DESCRIPTION	WATT	LUMEN	LUMEN PER WATT
EBRC	4	198	49.5