BARRON EXITRONIX

LL50H

THERMOPLASTIC EMERGENCY LIGHTING UNIT

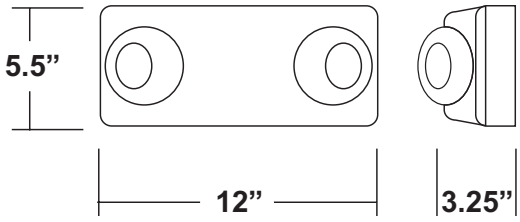
Model Number:	Approvals:
Type:	
Job:	

FEATURES

- Damp location rated
- Fully adjustable 5 watt MR-16 halogen lamp heads
- Optional G2 self-test/self diagnostics available
- Automatic brownout protection
- Compact, streamlined design
- Contractor friendly, snap-together design
- AC lockout feature reduces installation time
- Wall or ceiling mounted
- UV stable, thermoplastic components
- UL94-5VA flame rating
- 120/277V dual primary 60Hz input
- Automatic solid state charger
- Quick connect mounting back plate
- Low voltage disconnect
- 90 minute emergency run time
- Momentary test switch and LED charge indicator
- Maintenance-free, sealed lead-acid battery

The LL50H Thermoplastic Emergency Lighting Units combine a low-profile, contemporary appearance with economy and dependability. It's compact, streamlined design features fully adjustable designer 5 watt halogen heads to compliment any environment. Constructed of of an injectection-molded, UL94-5VA flame retardant, high-impact, thermoplastic housing, this durable unit will provide years of reliable service.

DIMENSIONS



CONFORMANCE TO CODES & STANDARDS

The LL50H Series is U.L. Listed and meets or exceeds the following: U.L. 924, N.E.C. requirements and N.F.P.A. 101.

WARRANTY

Any component that fails due to manufacturer's defect is guaranteed for 1 year with a separate 5 year pro-rated warranty on the battery. The warranty does not cover physical damage, abuse or acts of God. Manufacturer reserves the right to charge for such repairs if deemed necessary.

ORDERING INFORMATION

LL50H	-	G2
SERIES		**OPTIONS**
LL50H		G2 = Self-Test/Self-Diagnostics BL = Black Housing LC = 3' Line Cord and Plug

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

CONSTRUCTION

Enclosure is constructed of precision molded, UL94-5VA flame rated, UV stable, high-impact thermoplastic. Units resist denting, peeling, scratching and corrosion. Not recommended for outdoor use.

ILLUMINATION

Units come standard with two fully adjustable MR-16, 6 volt, 5 watt, halogen lamps.

ELECTRONICS

Dual voltage, 120 volt or 277 volt input. Circuit provides automatic brownout, short circuit, and overload protection. A momentary test switch and LED charge indicator are included.

BATTERY

Maintenance-free, sealed lead-acid battery provides an estimated service life of 10 years with an operating temperature range of 65°F (19°C) to 85°F (30°C).

G2 SELF-TEST/SELF-DIAGNOSTICS

The circuit continuously monitors the operating condition of the AC power, battery supply voltage, emergency lamp continuity, and charging circuit.

If failure occurs, visual status will occur immediately via the multi-colored LED's. LED indicator(s) will illuminate until fault has been corrected.

The G2 also monitors the transfer circuit as well as performing automatic code compliant testing. The self-test will operate the equipment in emergency mode five minutes every 28 days. Also, a 90 minute full-function test is performed every six months.

EMERGENCY OPERATION

120/277 VAC dual voltage input with surge protected, solid-state charging circuitry provides for a reliable charging system. The charging system is furnished with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch. The low voltage disconnect (LVD) feature will disconnect the battery prior to an unacceptable deep discharge, but not before the required 90 minute emergency operation. The AC lockout feature prevents battery drain prior to the initial energizing of utility power, and allows the installer to complete all wiring and electrical connections without energizing the emergency circuit. The brownout protection circuitry will automatically switch the unit into the emergency mode if the utility voltage drops below 20% of nominal. Battery charging circuitry is entirely solid-state. Battery recharge time after full discharge is less than the required UL 924 standard. Line sensitive electronics cause an instantaneous transfer to battery power if utility power is lost, or a brownout condition is detected. When line voltage is present and stabilized, the transfer circuitry switches back to normal operation and begins recharging the battery. The transfer circuitry can be tested via a momentary test switch located on the housing.

BARRON lighting group

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