

GENERAL

The emergency lighting unit shall be of the Affinity™ family manufactured by Lithonia Emergency Systems. It shall conform to the requirements of the UL924 standards.

HOUSING

Construction: The unit housing shall be a die-cast aluminum, tear-shaped housing (U.S. Patent no. D468.046). Dimensions shall not exceed 6-1/2" W x 9-1/2" H x 2-7/10" D.

Mounting: Unit shall be wall-mounted. Universal J-box mounting pattern should be provided. A conduit entry point shall be located on top of the unit.

Maintenance: Unit shall be maintained easily with a single tool entry.

Color: The housing color shall be specified as brushed nickel or polyester powder coat textured paint in white, black, or dark bronze.

OPTICAL SYSTEM

The patent-pending reflector/refractor design shall feature vac-metalized, die-casted reflectors; a highly transmissive, multi-faceted refractor; and two 6-watt, wedge-based, xenon lamps rated for 105 lumens. It shall deliver spacing at 26' on center* to meet the Life Safety Code of one foot candle average and 0.1 foot candle minimum, as well as the max-to-min ratio of 40:1.

Optional forward throw optics provided with two high-brightness white LEDs, projecting a 3' lit path forward 28' from the mounting surface.

* Assumes open space with no obstructions, 3'-wide path of egress, 8.5' mounting height, 9' ceiling height, and 80/50/20 reflectances.

BATTERY

Batteries shall be 6-volt, sealed, maintenance-free, lead calcium or high-temperature nickel cadmium — providing 12-watt rated capacity for 90 minutes of emergency operation.

ELECTRONICS

The electronics shall include AC/LVD reset, which allows battery connection before AC power is initially applied and prevents battery damage from deep discharge. The electronics shall also include brownout protection and DC fuse and a solid-state charger that provides automatic recharge after a discharge. The circuitry shall provide thermal protection to sense circuitry temperature and adjust charge current to prevent overheating and charger failure and thermal compensation to adjust charger output to provide optimum charge voltage relative to ambient temperature.

SELF-DIAGNOSTICS *(Premium and Exterior Option Packages)*

The patented (U.S. Patent No. 6,502,044) self-diagnostics shall provide a single multi-chromatic LED indicator to display two-state charging, test activation and three-state diagnostic status. And a test switch that provides manual activation of 30-second diagnostic testing for on-demand visual inspection. The self-diagnostic testing will occur for five minutes every 30 days and 30 minutes every six months for diagnostic evaluation of lamps, AC to DC transfer, charging and battery condition. This option will continuously monitor AC functionality.

OPTION PACKAGES

Premium Package: Includes high-temperature, ni-cad battery, self-diagnostics, and damp location listing from 0°C to 50°C.

Exterior Package: Includes high-temperature, ni-cad battery, self-diagnostics, 20-minute time delay, and wet location listing from -18°C to 50°C (0°F to 122°F).

WARRANTY

3-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Actual performance may differ as a result of end-user environment and application.

Note: Specifications subject to change without notice.