

FEATURES & SPECIFICATIONS

INTENDED USE — Suitable for Class I, Division 2, Groups A, B, C and D; Zone 2, Groups IIA, IIB + H₂ and IIC; and Class II, Division 2, Groups F and G.

CONSTRUCTION — Impact-resistant, fiberglass reinforced polyester housing. Gray with stainless steel hardware and clear polycarbonate cover. Includes one-piece formed gasket and corrosion-resistant hardware. Standard internal or external mounting feet provide installation flexibility.

Lamp heads are Class I, Div. 2 rated polycarbonate PAR36 sealed beam.

OPTICS — The typical life of the exit LED lamp is 10 years. Halogen and incandescent lamp types available in 6V.

ELECTRICAL — 120/277 VAC dual-voltage input with surge-protected, solid-state charging circuitry.

Low-voltage disconnect (LVD) feature disconnects battery prior to unacceptable deep discharge but not before required 90-minute emergency operation.

AC lockout feature prevents battery drain prior to energizing of utility power. Wiring and electrical connections can be completed without energizing emergency circuit.

Brownout protection circuitry automatically switches unit into emergency mode if utility voltage drops below 25% of nominal.

Battery charging circuitry is solid-state. Utilizes fully automatic, voltage-regulated charger. Battery recharge time after full discharge less than required by UL 924 standard.

Battery: Sealed, maintenance-free lead-calcium battery standard. Quick-connect plug assembly for easy installation and maintenance.

90-minute emergency operation at full light output.

Diagnostics: Self-diagnostic option conducts automatic and manual tests, indicating real-time status of lamp, battery and charger via tri-color indicator lamps. Automatic tests include systems analysis every 10 seconds, with actual load tests performed for one-minute duration every 30 days, and for 30-minute duration on the sixth and twelfth month. Manual tests include one-minute or 90-minute battery discharge and lamp illumination tests.

INSTALLATION — Wall mount only (optional mounting feet included).

LISTINGS — UL Listed. Meets UL 924 and 844 illumination standards. UL listed for use in Class I and II, Division 2 hazardous location areas. NFPA 101, NEC, OSHA and IBC illumination standards. Temperature class rating 160°C (T-Code T3C) or for Class I, Zone 2 rating is 200°C (T-Code T3).

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

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

All values are design or typical values, measured under laboratory conditions at 25°C.

Specifications subject to change without notice.

Catalog Number
Notes
Type

Class I and II, Division 2 Emergency Lighting



LHZ

Hazardous Location
Combination Emergency LED Exit/Unit



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: LHZ618 S 1 R H0806 SD

Family	S Face type	Housing color	1 Number of faces	LED color	Input voltage	Lamp heads	Lamp type	Options
LHZ618	6V, 18W lead-calcium battery	S Stencil	(blank) Gray	1 Single	R Red G Green	(blank) 120/277 Dual voltage	(blank) 2 heads PAR36 sealed beam	SD Self-diagnostics
LHZ636	6V, 36W lead-calcium battery					R1 1 head R0 No heads	N0806 8W/6V incand. N1806 18W/6V incand. N2506 25W/6V incand.	SDA Self-diagnostics with audible alarm
LHZ672	6V, 72W lead-calcium battery						H0606 6W/6V halogen H0806 8W/6V halogen H1206 12W/6V halogen	TD Time delay

LHZ Hazardous Location Combination Emergency LED Exit/Unit

SPECIFICATIONS

ELECTRICAL

Primary Circuit			
	Typical LED Life ¹	AC volts	Input
LHZ618 Red/Green	10 Years	120 277	.133 .058
LHZ636 Red/Green	10 Years	120 277	.122 .053
LHZ672 Red/Green	10 Years	120 277	.129 .56

BATTERY

Lead-Calcium				
Voltage	Shelf Life ²	Typical Life ²	Maintenance ³	Optimum Temperature ⁴
6	12 months	3-5 years	none	65°F - 85°F (19°C - 30°C)

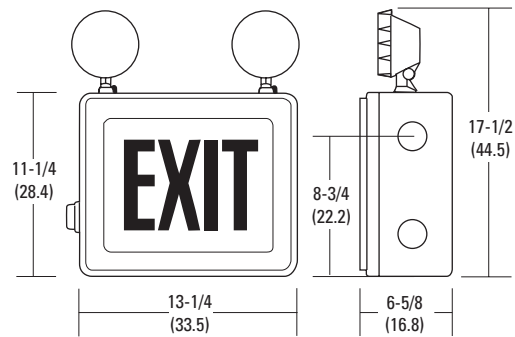
Notes

- Based on continuous operation. The typical life of the LED exit lamp is 10 years.
- At 77°F (25°C).
- All life safety equipment, including emergency lighting for path of egress must be maintained, serviced, and tested in accordance with all National Fire Protection Association (NFPA) and local codes. Failure to perform the required maintenance, service, or testing could jeopardize the safety of occupants and will void all warranties.
- Optimum ambient temperature range where unit will provide capacity for 30 to 90 minutes. Higher and lower temperatures affect life and capacity.

DIMENSIONS

All dimensions are in inches (centimeters).

Shipping weight: LHZ618 - 24 lbs. (11 kgs.)
LHZ636 - 25 lbs. (11 kgs.)
LHZ672 - 27 lbs. (12 kgs.)



Mounting Tabs: Mounting enclosure to wall using (4) thru holes or optional mounting feet.

