

FEATURES & SPECIFICATIONS

INTENDED USE — For use in Class 1, Div 2, Groups A,B,C, & D hazardous environments. Meets up to a T3C Temperature Rating. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

CONSTRUCTION — Corrosion-resistant enclosure with one piece, high impact resistant, UV stabilized polycarbonate lens and molded gasket with stainless steel screws.

Housing is fiberglass reinforced polycarbonate construction with a gray finish.

OPTICS — 3.6W MR-16 LED Lamp Heads.

ELECTRICAL — **Input voltage 120V or 277V.**

Surge tested to 6kV.

Battery: Sealed, maintenance free nickel-cadmium battery delivers 90 minutes capacity to emergency lamps.

Supports up to 6.6W of remote capacity over the full temperature range and 7.8W of remote capacity above 0°C temperature range.

Self-diagnostic: performs monthly and annual tests to ensure reliable operation and meets electrical and life safety codes. Self-Diagnostic confirms battery health inclusive of remote heads but does not validate remote head operation. Remote heads will need to be inspected and a manual test will need to be conducted.

INSTALLATION — Die-cast mounting brackets provided for surface wall mount installation.

Pre-installed conduit hub for conduit installation and for running electrical wires for a wall mount.

Not for use mounting over a recessed junction box.

LISTINGS — UL wet location and cold weather standard and IP66 rated, listed at -4 - 122°F (-20°C - 50°C). Meets or exceeds all applicable requirements for UL 924, NFPA 101 (current Life Safety code), NFPA 70 (NEC), FCC Title 47, Part 15, Subpart A and OSHA.

WARRANTY — 5-year limited warranty. (Battery is prorated). This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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.

The product images shown are for illustration purposes only and may not be an exact representation of the product.

Specifications subject to change without notice.

Catalog Number
Notes
Type

Hazardous Emergency Unit

HLEMU

Class 1, Div 2 Unit



66
IP RATED

ORDERING INFORMATION

For shortest lead times, configure product using **bolded options**.

Example: HLEMU 277 SD M2

Series	Input Voltage 1	Self-Diagnostics
HLEMU Hazardous Emergency Unit	120 120V 277 177V	SD Self Diagnostic

Notes

1 Must specify voltage.

SPECIFICATIONS

Electrical				
Primary Circuit				
	Typical LED life1	Supply voltage	Max amps	Max watts
HLEMU	>5 years	120	.05	4.3
		277	.03	4.3

This unit contains a battery heater that turns on as the battery temperature falls below 5°C. When the heater is active, power consumption will increase an additional:

- 250mA and 30W @ 120VAC input voltage
- 110mA and 30W @ 277VAC input voltage

BATTERY

Ni-Cad				
Voltage	Typical Shelf life2	Typical life2	Maintenance3	Temperature range4
12	3 years	6-8 years	none	-4 - 122°F (-20-50°C)

- 1 Based on 24/7 operation. The typical life of the exit LED lamp is >>5 years.
- 2 At 77°F (25°C).
- 3 All life safety equipment, including emergency lighting path of egress, must be maintained, serviced and tested in accordance with all National Fire Protection Association and local codes. Failure to perform the required maintenance, service or testing could jeopardize the safety of occupants and will void all warranties.
- 4 Temperature range where unit will provide capacity for 90 minutes. Higher and lower temperatures affect life and capacity.
5. Battery life is negatively impacted by many variables including temperature, charging rates, number of cycles and deep discharges due to long periods of time without AC power.

Operational Data - Temperature		
Min	Max	T-Code
-20°C (-4°F)	50°C (122°F)	T3C

MOUNTING

All dimensions are in inches (centimeters) unless otherwise indicated.

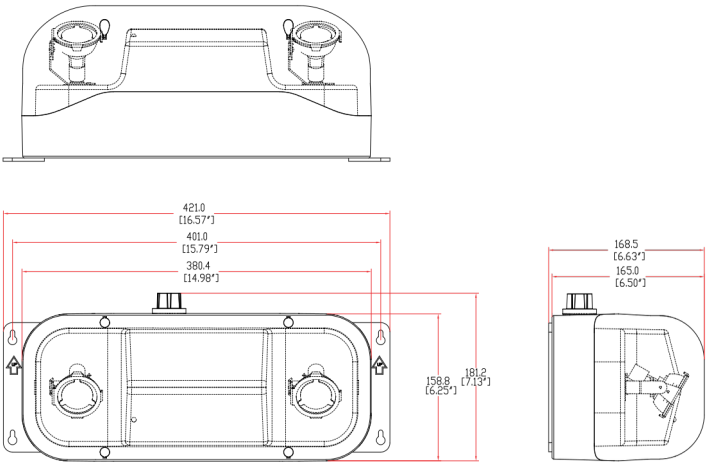
Specifications

Length: 14.98" (37.76)

Width: 6.5" (16.51)

Height: 6.25" (15.87)

Weight: 9.3 lbs



Mounting Height (ft)	Single Unit Spacing (ft)		Multiple Unit Spacing (ft)	
	3' path of egress	6' path of egress	3' path of egress	6' path of egress
7.5	41-48'	36 - 42	46-54	37- 43
10	39-46	31-36	48-56	38-45
12	36 - 42	27-32	42- 49	37- 43
16	31-36	24-28	33-39	31-36
20	24-28	20-24	28-33	27-32
24	19-22	17-20	23-27	24-28

Notes:

Spacing Guidelines are designed to achieve NFPA 101 requirements for path of egress lighting (1FC Avg, .1FC minimum and min/max ratio of 40:1).

The corridor for the application is 200' long, 30' high and 30' wide. Reflectance are 10/10/10.

These lampheads should be evaluated for both a 3ft and a 6ft path of egress at the mounting heights stated: 7.5', 10', 12', 16', 20' and 24'.