

## EXP LED Series

Explosives/Hazardous location housing 6V up to 30W & 12V up to 40W capacities  
Nickel-Cadmium battery



Class I, Division 1 & 2, Group C & D  
Class II, Division 1 & 2, Group E, F & G  
Class III

### Housing

- One-piece heavy gauge, corrosion resistant, copper-free cast aluminum
- Consists of a housing with provisions for up to two lighting heads
- Spin-off gasketed cover prevents propagation of internally generated arcs
- Stainless steel vent/drain
- Lighting head fixtures are heavy cast aluminum with Pyrex® lens
- Exit faceplate: heavy-duty 20 gauge steel, baked enamel grey finish
- 6 inch EXIT lettering legend, available in red or green
- Field-selectable chevrons

### Mounting

- Surface wall mount
- 3/4" NPT conduit entry on top and bottom of housing
- Single and double pendant mount heads include elbow swivel, conduit extension pipe (6" increments)

### Electronics

- Pulse plus charger
- Low voltage disconnect
- Automatic brownout protection
- Battery lock-out
- Fused output circuit
- 120/277 60Hz

### Lamp type

- Heads offer a choice of MR16 LED lamp voltages and wattages
- Exit sign uses a 3 watt LED lamp

### Battery type

6V or 12V, Nickel-Cadmium battery

### Approvals

- CSA-US (To UL 924 standards)
- Manufactured in accordance with UL844, UL1203
- Class I, Division 1 & 2, Groups C and D
- Class II, Division 1 & 2, Groups E, F and G
- Class III
- NEC, OSHA and NEMA compliant for above Classes and Groups
- Temperature Code T6

**Warranty** (subject to proper installation and maintenance)

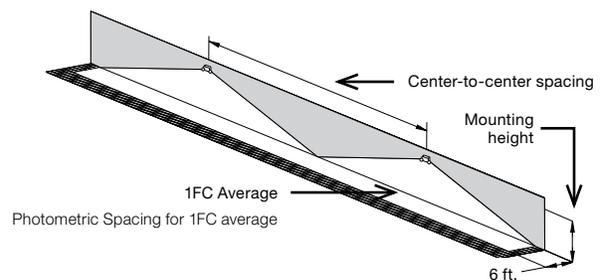
Unit: five-year full warranty

Detailed warranty terms located on **page 197** or online at: [www.lightalarms.com](http://www.lightalarms.com)

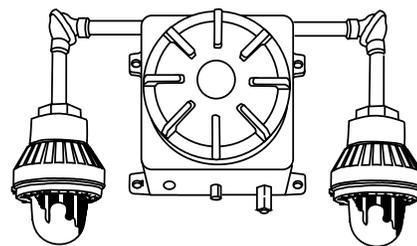


### Photometric performance

Lamp	Spacing center-to-center (feet)	
	7 feet mounting height	15 feet mounting height
2 X LD1	43'	29'
2 X LD2	70'	39'
2 X LD7	55'	36'
2 X LD9	67'	41'
2 X LD10	87'	62'



**Dimensions** (Dimensions are approximate and subject to change)



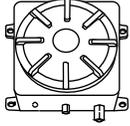
Housing: 12" X 12" X 9-1/2"  
Mounting Lugs: 10" and 13-1/2" on center  
Overall dimensions (including fixtures): 38" X 38" X 10"

**Power consumption chart**

Series	Battery	Voltage	DC Specs				Units dual voltage <sup>1</sup>	AC Specs
			Battery capacity in watts <sup>1</sup>					
			90 Mins	2 Hrs	3 Hrs	4 Hrs		
EXP618	Nickel-Cadmium	6V	18	12	9	6	120/277VAC	0.55/0.25 A
EXP630		6V	30	20	15	10		
EXP1224		12V	24	18	12	9		
EXP1240		12V	40	30	20	15		

<sup>1</sup> All units 120/277 dual voltage, information based on wiring to specific voltage type

**Standard configurations for EXP6N and EXP12N series**

Unit	Catalog number	Description
	EXP618	6 Volt self contained hazardous location emergency battery unit 18 watts of remote capacity
Remote capability	EXP618-TS	6 Volt self contained hazardous location emergency battery unit 18 watts of remote capacity. Transfer switch included for use with remote Exit signs (maximum 5 Exits signs per TS)
Single head emergency unit	EXP1240E1LD9	12 Volt self contained hazardous location emergency battery unit with one head containing 2 X 2V 5W MR16 LED lamps, 30 watts of remote capacity
	EXP1240E1LD9-TS	12 Volt self contained hazardous location emergency battery unit with one head containing 2 X 12V 5W MR16 LED lamps, 30 watts of remote capacity. Transfer switch included for use with remote Exit signs (maximum 5 Exit signs per TS)
Double head emergency unit	EXP630E2LD1	6 Volt self contained hazardous location emergency battery unit with two heads, each containing 2 X 6V 4W MR16 LED lamps, 14 watts of remote capacity
	EXP630E2LD1-TS	6 Volt self contained hazardous location emergency battery unit with two heads, each containing 2 X 6V 4W MR16 LED lamps, 14 watts of remote capacity. Transfer switch included for use with remote Exit signs (maximum 5 Exit signs per TS)
Self-powered exit	EXP618-TSX1-LR	6 volt self contained exit sign with 15 watts of remote capacity. Transfer switch included for use with integral exit sign and additional remote exit signs (maximum 5 exit signs per TS).
Combination unit	EXP1230-E1LD10-TSX1-LR	12 volt self contained combination unit with 15 watts of remote capacity. Transfer switch included for use with integral exit sign and additional remote exit signs (maximum 5 exit signs per TS).

**Reflector/Guards**

Part #	Description
145.0016-L	Dome reflector
145.0017-L	Angle reflector
330.0125-L	Aluminum guard

**Ordering format**

Series	DC Voltage	Capacity	No. of heads and lamps	Lamp wattage/Type
EXP = Battery Unit/ Combo	6 = 6VDC 12 = 12VDC	18 = 18W (6V only) 30 = 30W (6V only) 24 = 24W (12V only) 40 = 40W (12V only)	Blank = No emergency head -E1= Single head, two lamps -E2= Two heads, two lamps each	LD1= 6V-4W, MR16 LED LD2= 6V-5W, MR16 LED LD7= 12V-4W, MR16 LED LD9= 12V-5W, MR16 LED LD10= 12V-6W, MR16 LED
Battery options	EXIT sign # of faces	EXIT sign lamp	EXIT sign letter color	
Blank= no transfer panel -TS= transfer panel (Required to supply remote exit sign only)	Blank= No exit sign X1= Single-face exit	Blank= no exit sign -L= LED exit sign	Blank= No exit sign R= Red G= Green	

**Example: EXP630E1LD1-TSX1-LR**