

Type No. \_\_\_\_\_  
 Job Name \_\_\_\_\_  
 Catalog No. \_\_\_\_\_



Shown: ER62J96



Shown: ER6N142H76W



Listed  
to 924

# ER6 Series

- **Low Profile Commercial Recessed Emergency Unit**
- **14 to 28 Watts**
- **Maintenance Free, Sealed Lead Calcium or Nickel Cadmium Battery**
- **Completely Self-Contained Unit Ideal for Use in Air Handling Plenums**

## Electronics

- 120/277 VAC dual voltage input capability
- Lead calcium units utilize a solid-state, fully automatic, voltage regulated charger
- Nickel cadmium units utilize a solid-state, constant voltage charger
- Includes low voltage disconnect (LVD), brownout protection, and AC lockout installation features

## Power Consumption

120 VAC - 0.07 amps, 7.3 watts  
 277 VAC 0.03 amps, 7.3 watts

## Battery

- Choice of maintenance free, sealed lead calcium or maintenance free, sealed nickel cadmium batteries
- Lead calcium battery has an expected service life of 5 years with an operating range of 65°F (19°C) to 85°F (30°C)\*
- Nickel cadmium battery has an expected service life of 10 years with an operating range of 20°F (-7°C) to 95°F (35°C)\*
- Nickel cadmium batteries are ideal for high ambient temperature areas

\* Increases or decreases in temperature will affect battery performance and/or capacity. Optimum battery performance realized at 77°F (25°C)

## Code Compliance

- UL 924 listed
- NFPA 101
- NEC, BOCA and OSHA illumination standard

## Housing

- UL 94 V-0, 5 VA impact resistant white thermoplastic faceplate
- 20 gauge galvanized steel backbox with 1/2" conduit knockouts
- May be wall or ceiling mounted — optional bar hanger kit for suspended ceilings

## Operation

Model	Sugg. Head	AC Input		DC Voltage	Watts to 87½% of Rated Voltage <sup>2</sup>			
		Voltage	Wattage <sup>1</sup>		1½ hrs.	2 hrs.	4 hrs.	8 hrs.
<b>ER6</b>	J96	120/277	18	6	18	13.5	7	—
<b>ER625</b>	DH76W	120/277	18	6	25	19	9.5	—
<b>ER6N14</b>	H76W	120/277	5.3	6	14	10.5	—	—
<b>ER6N28</b>	H126W	120/277	5.3	6	28	21	10.5	5.4

NOTES: 1) Based on high rate charge after power loss 2) Per NEC Specifications

## Warranty

Electronics: 3 years  
 Battery: 1 year full, 4 years pro-rata (lead calcium)  
 5 years full, 5 years pro-rata (nickel cadmium)

## Application

- Ideal for industrial and commercial locations where a self-contained recessed emergency lighting unit is desired

# ER6 Series

## Ordering Information

CATALOG NO.	LAMP HEADS	OPTIONS
<b>Lead Calcium Units</b> <b>ER6</b> = 18 Watt Unit <b>ER625</b> = 25 Watt Unit  <b>Nickel Cadmium Units</b> <b>ER6N14</b> = 14 Watt Unit <b>ER6N28</b> = 28 Watt Unit	See Lamp Head Selection Chart Below	<b>V</b> = Voltmeter <sup>1</sup>

NOTES: 1) Not available with ER6N28

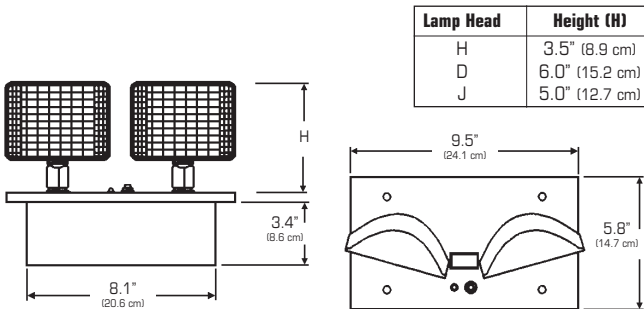
## Accessories (Ordered Separately)

**BHK1** Bar Hanger Kit  
**VRS** Polycarbonate Vandal Shield

## Ordering Example

ER6N14 2 J76 V  
 Catalog No. \_\_\_\_\_  
 # of Lamp Heads \_\_\_\_\_  
 Lamp Head \_\_\_\_\_  
 Options \_\_\_\_\_

## Dimensions



## Lamp Head Selection

The following lamp heads are available for use with the ER6 Series Nickel Cadmium Battery units. Add order code to the end of the catalog number.

	Type	Wattage	Order Code
 <b>"D" Head</b> Thermoplastic Wedge Base	6 Volt Tungsten	5.4 7.2 9.0	<b>D66W</b> <b>D76W</b> <b>D96W</b>
	6 Volt Halogen	7.0 9.0 12.0	<b>DH76W</b> <b>DH96W</b> <b>DH126W</b>
 <b>"D" Head</b> Thermoplastic Par 36 Sealed Beam	6 Volt Tungsten	8.0	<b>DS86W</b>
	6 Volt Halogen	8.0 12.0	<b>DSH86W</b> <b>DSH126W</b>
 <b>"J" Head</b> Thermoplastic Wedge Base	6 Volt Tungsten	5.4 7.2 9.0	<b>J66</b> <b>J76</b> <b>J96</b>
	6 Volt Halogen	7.0 12.0	<b>H76W</b> <b>H126W</b>
	6 Volt Halogen	7.0 12.0	<b>H76W</b> <b>H126W</b>

## Suggested Specification

Furnish and install Lightguard's ER6 Series model \_\_\_\_\_. The emergency lighting unit shall be listed to Underwriters Laboratories, Inc. Standard #924 and shall meet the standards of the National Electrical Code.

**OPERATION** - Upon failure or brownout of utility power, the units shall automatically transfer to battery power and maintain the required illumination for a period of 90 minutes. Upon restoration of utility power, the charger shall restore the battery to full charge per UL 924 standard requirements.

**CHARGER** - Sealed lead calcium battery units shall be equipped with a solid-state, constant voltage charger. Nickel cadmium units shall be equipped with a solid-state constant current charger.

**BATTERY** - The battery shall be either maintenance free, sealed lead calcium or maintenance free, sealed nickel cadmium.

**HOUSING** - The housing shall have a UL 94 V-0, 5 VA impact resistant white thermoplastic face plate. The recessed backbox shall be constructed of 20 gauge galvanized steel. The unit shall be capable of being wall or ceiling mounted.