



Job Name: \_\_\_\_\_

Type: \_\_\_\_\_

Voltage: \_\_\_\_\_

### CODES AND STANDARDS

UL Listed to Standard 924.  
 NFPA 70 (NEC)  
 NFPA 101 (Life Safety Code)  
 OSHA Standards  
 BOCA  
 IBC  
 Chicago Approved  
 City Plan No. 9187E, 9188E

### VOLTAGE INPUT

120/277 VAC selectable input.

### FINISH

Epoxy powder coat white finish.

### MOUNTING

Unit may be mounted directly to a wall or optional shelf may be utilized.

### HOUSING

Steel cabinets available in 20 gauge for 18w to 100w and 18 gauge for 125w to 250w models. 20 gauge steel cabinet with black or white powder coat finish. Universal J-box mounting pattern\* (or shelf mountable). Available with a wide range of fully adjustable PAR 36 sealed beam tungsten or halogen; wedge base tungsten or halogen; low profile push-to-test switch.

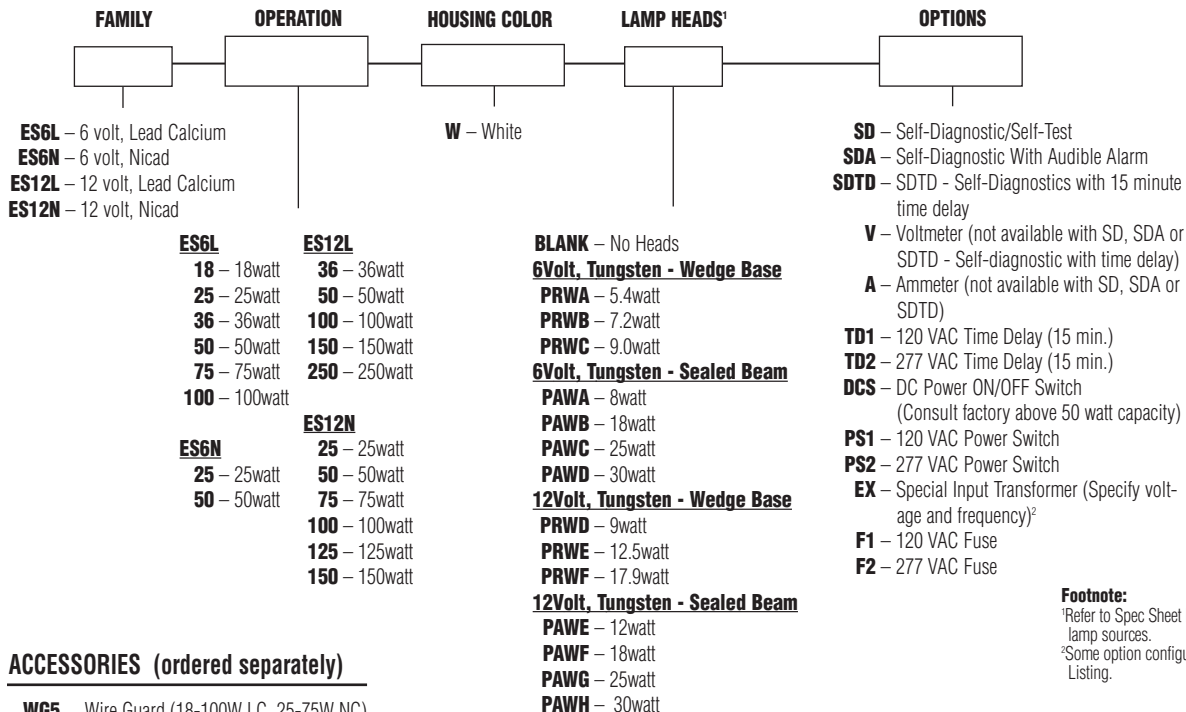
### LAMP DATA

Choice of fully adjustable lamp heads includes: PAR36 sealed beam tungsten or tungsten halogen; wedge base tungsten or tungsten halogen. Factory assembled lamp heads are top mount only. Lamp heads are not available in metal. Lamp head ordering code should be added to the catalog number when ordering a factory assembled unit with (2) lamp heads. Option should not be included when ordering a unit without lamp heads. Units above 50W cannot be shipped with lamp heads installed.

### SELF-DIAGNOSTIC/SELF-TEST (OPTIONAL)

Self-Diagnostic option includes automatic and manual tests to ensure unit is operating properly. Automatic test for 3 minutes every 30 days. Manual test is available from 1 to 90 minutes.

### CATALOG NUMBER (Example: ES6L18W PRWC TD1)



### ACCESSORIES (ordered separately)

**WG5** Wire Guard (18-100W LC, 25-75W NC)  
**WG** Wire Guard (125-250W LC, 100-150W NC)  
**MSWA** White Mounting Shelf 18-50W  
**MSWB** White Mounting Shelf 75-100W  
**MSWD** White Mounting Shelf 125-250W

**Footnote:**  
<sup>1</sup>Refer to Spec Sheet ERA6021.2 for optional lamp sources.  
<sup>2</sup>Some option configurations may impact UL Listing.

NOTE:

\* ORDER A TWO-HEADED UNIT AND A SEPARATE LAMP HEAD (TO BE FIELD MOUNTED) CAT. NO. IE.: ES12L36WPRWD AND A PRWD.

## ES SERIES Die-Formed Steel Emergency Unit with Adjustable Head

### ELECTRONICS

120/277 VAC dual voltage input with surge-protected, solid-state charging circuitry provides for a reliable charging system. The charging system is furnished with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

The low voltage disconnect (LVD) feature will disconnect the battery prior to an unacceptable deep discharge, but not before the required 90 minute emergency operation.

The AC lockout feature prevents battery drain prior to the initial energizing of utility power, and allows the installer to complete all wiring without energizing the emergency circuit.

The brownout protection circuitry will automatically switch the unit into the emergency mode if the utility voltage sags below 20% nominal.

Battery charging circuitry is entirely solid-state, and utilizes a constant current charger for nickel cadmium battery units. A fully automatic, voltage regulated charger is used for lead calcium battery units. Battery recharge time after full discharge is less than the required UL 924 standard.

Line sensitive electronics cause an instantaneous transfer to battery power if utility power is lost, or a brownout condition is detected. When line voltage is present and stabilized, the transfer circuitry switches back to normal operation and begins recharging the battery. The transfer circuitry can be tested via a momentary test switch located on the housing.

### BATTERIES

Available with sealed maintenance-free lead calcium or nickel cadmium batteries. Sealed lead calcium batteries have an expected life up to 5 years. Optimum operating range for sealed lead calcium batteries is 65°F to 85°F\*\*. Nickel cadmium batteries have an expected life up to 10 years. Optimum operating range for nickel cadmium batteries is 20°F to 95°F\*\*. Batteries supply 90 minutes of emergency illumination.

### ELECTRONICS

120/277 VAC dual voltage input with surge-protected, solid-state circuitry provides for a reliable charging system.

Lead calcium units utilize a solid-state, fully automatic, voltage regulated charger.

Nickel cadmium units utilize a solid-state, constant current charger.

High capacity units operate a complete line of remote fixtures.

Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Optional Self-Diagnostics include an automatic 3 minute discharge test every 30 days. A manual test is available from 1 to 90 minutes.

\* 18w to 50w cabinet only

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

### ELECTRICAL SPECIFICATIONS

Input Power Requirements

18-100 watt units - 0.18 amps, 18 watts (120 VAC)

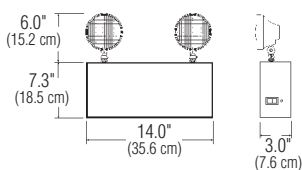
125-250 watt units - 0.58 amps, 60 watts (120 VAC)

### WARRANTY

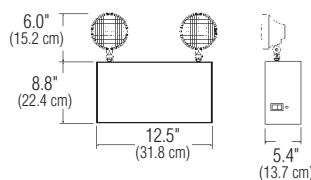
Five year warranty on Nicad battery units from date of purchase (Lamps not included). One year plus 4 year Prorated on lead calcium battery warranty.

### DIMENSIONS

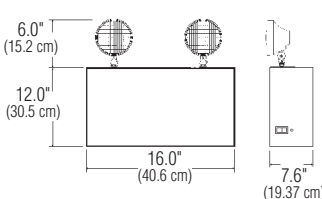
#### 18-50w Lead Calcium & Nickel Cadmium



#### 75-100w Lead Calcium & Nickel Cadmium



#### 150w-250w Lead Calcium & 125-150w Nickel Cadmium



### OPERATION

DC Voltage	Unit	Watts to 87-1/2% of Rated Voltage*			
		1-1/2 hrs.	2 hrs.	4 hrs.	8 hrs.
6	ES6L18	18	13.5	7	—
	ES6L25	25	19	9.5	—
	ES6L36	36	27	14	7.2
	ES6L50	50	37.5	19	10
	ES6L75	75	56.5	28.5	15
	ES6L100	100	75	38	20
12	ES6N25	25	19	9.5	—
	ES6N50	50	37.5	19	10
	ES12L36	36	27	14	7.2
	ES12L50	50	37.5	19	10
	ES12L100	100	75	38	20
	ES12L150	150	112.5	72	25.5
12	ES12L250	250	187.5	95	50
	ES12N25	25	19	9.5	—
	ES12N50	50	37.5	19	10
	ES12N75	75	56.5	28.5	15
	ES12N100	100	75	38	20
	ES12N125	125	94	47.5	25
	ES12N150	150	112.5	72	25.5

\* Per NEC Specifications