



## PS Series

### Square Shooter 6 and 12 volt



Surface/Semi-Recessed/Fully-Recessed Mount

Listed to UL924 Standard

#### Sealed Maintenance-Free Batteries

- Nickel-Cadmium
- Long Life Lead
- Lead Calcium



### General Information

The **PS Series** is architecturally designed to harmonize with a variety of interiors. Standard PS Series units are surface mounted. Optional mounting includes semi-recessed and fully-recessed. It is offered in 6 or 12 volts up to 36 watts capacity to handle matching remote fixtures or exit signs.

### Standard Features

#### Reliability

The PS Series has a 3-year full warranty. Each unit is fully computer tested.

#### Unit Data

All models are furnished with a specular reflector and prismatic lens and designed to mount directly to a standard octagonal electrical box.

#### Standard Surface Mount Housing

Constructed of impact-resistant, flame-retardant, light weight thermoplastic in matte white with a black trim.

#### Optional Semi-Recessed Housing

The black trim is contained inside a metal back box that recesses into walls or ceiling leaving only the white body exposed.

#### Optional Fully-Recessed Housing

The entire unit recesses into walls or ceiling and is trimmed with a white thermoplastic trim ring.

#### Optional Fully-Recessed Metal Housing

Constructed of 20 gauge steel with a white baked enamel surface trim ring.

**Light Source:** Furnished standard with one halogen lamp (6 volt 6 watt or 12 volt 8 watt), dual lamps available by specifying '-2' suffix (see Options).

#### PulsePlus Charger

PulsePlus circuitry offers 120/277 Vac input 60 Hz., 0.3/0.15 Amp (other inputs available), fused output circuit, diagnostic indicator lights, temperature compensated charger, sealed relay, low voltage battery disconnect, brownout protection and lockout (automatic battery connect).

### Electrical

**Power Requirements:** 120/277 Vac, 60 Hz., 0.3/0.15 Amp.

**Output:** 6 or 12 volt, fused output circuit. **Transfer:** dust-tight relay automatically and instantly energizes lamp load upon failure of AC supply. **LVD:** low voltage battery disconnect circuit automatically shuts down lamp load and circuitry when battery reaches 87 1/2% discharge, preventing deep discharge and permanent damage to the battery. **Lockout:** labor saving electronic circuit automatically connects battery when AC circuit is activated. **Brownout:** close tolerance electronic circuit activates emergency unit when utility power dips below 80-85% of nominal voltage. **Charger:** The pulse plus charging circuit utilizes an integrated circuit which samples the battery in relation to its temperature, state of charge and input voltage fluctuations. The charger is current limited, temperature compensated, short-circuit proof and reverse polarity protected. Charger regulation

+/-1%. The equipment is capable of full recharge in compliance with Underwriters 924 specifications. **Transformer:** 120/277 Vac. **Controls:** test switch, AC ready/hi-charge light.

### Optional Features

Description	Add Suffix
Ammeter OR Voltmeter (Choose only one) not available FR models...-A* OR -V*	
Advanced Diagnostics .....	-AD
Advanced Diagnostics (Non-Audible) .....	-ADNA
Dual Lamps. ....	-2
Time Delay (Specify 5, 10 or 15 minutes).....	-D1, D2 or D3**
Non-standard input voltage.....	Specify
Polycarbonate Lens.....	-J
Fully-Recessed all metal unit.....	FRM***

#### Accessories (order as a separate item)

Semi-Recessed Kit (converts a surface mount unit to semi-recessed).....	PS-SRKIT***
Fully-Recessed Kit (converts a surface mount unit to fully-recessed).....	PS-FRKIT***
Wire guard (Surface or Semi-Recessed) .....	WG1
Wire guard (Fully-Recessed).....	WG11

\*Not available with Diagnostics options.

\*\*Not required when using the AD/ADNA option.

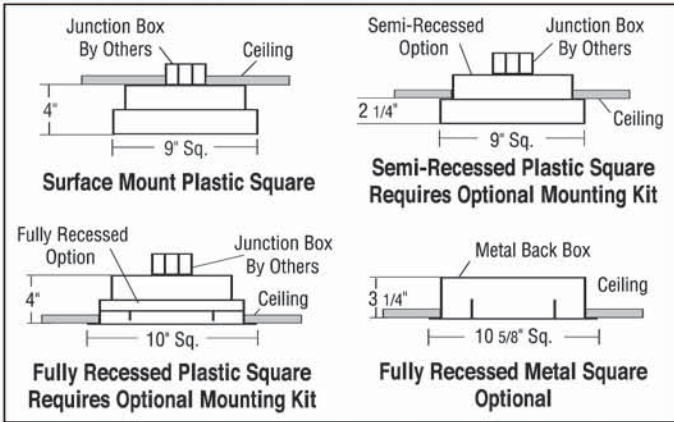
\*\*\*Bar hangers included.

NOTE: Certain option combinations may effect the listing.

Please contact the factory for option combinations.

## Outline and Dimensions

Note: Certain option combinations may effect the listing.



## Unit Rating Chart

6V units furnished standard with 6W Halogen lamp(s).  
12V units furnished standard with 8W Halogen lamp(s).

NO REMOTE CAPABILITY							
Sealed Maintenance-Free Battery Types	D.C. Voltage	Model Number	*Watts to 87 1/2% of rated battery voltage				
			1 1/2 hrs.	2 hrs.	3 hrs.	4 hrs.	
Long Life Lead + Δ	6	PSE9	9	7	-	-	
Lead Calcium	6	PSM9	9	6	-	-	
WITH REMOTE CAPABILITY							
Nickel-Cadmium	6	PSC18	18	12	9	6	
	6	PSC18-2	18	12	9	6	
	6	PSC25	25	18	12	9	
	6	PSC25-2	25	18	12	9	
	12	12PSC36	36	21	15	12	
	12	12PSC36-2	36	21	15	12	
Long Life Lead + Δ	+ Δ	6	PSE18	18	11	8	6
		6	PSE18-2	18	11	8	6
		6	PSE36	36	24	17	13
		6	PSE36-2	36	24	17	13

\*National Electrical Code Specification -2 indicates two lamp version  
+ = Pulse Plus Diagnostic Available Δ = Advanced Diagnostic Available

## \*Unit Warranty

Entire unit (excluding lamps and fuses) carries a 3-year Full Warranty.

## \*Battery Warranty

**Sealed Nickel-Cadmium: PSC**— 10 year life expectancy 5-year Full Warranty, plus 5-year prorata warranty  
**Sealed Long Life Lead: PSE**— 12 year life expectancy 5-year Full Warranty, plus 5-year prorata warranty  
**Sealed Lead Calcium: PSM**— 8 year life expectancy 3-year Full Warranty, plus 3-year prorata warranty

\*Subject to proper installation and maintenance.

## Suggested Specification

Supply and install **EMERGI-LITE Series PSC** \_\_\_\_\_, **PSE** \_\_\_\_\_, or **PSM** \_\_\_\_\_, in 6 or 12 volt, with electrically compatible remote fixtures or exit signs as indicated on the plans.

The emergency lighting unit shall be an architecturally designed, self-contained fixture including sealed, maintenance-free battery. **TYPE PSC** to be supplied with Long Life Nickel-Cadmium battery. **TYPE PSE** to be supplied with Long Life Pure Lead battery. **TYPE PSM** to be supplied with Lead Calcium battery.

The unit shall supply the rated load for a minimum of 1 1/2 hours to 87 1/2% of rated battery voltage. The unit shall be rated 120/277 Vac, 60 Hz and be UL924 Listed.

The unit charger shall utilize an integrated circuit which samples the battery in relation to its temperature, state of charge and input voltage fluctuations. The charger shall be current limited temperature compensated, short-circuit protected and reverse polarity protected. The unit shall be furnished with an electronic lockout circuit which will connect the battery when the AC circuit is activated, and an electronic brownout circuit which will activate the unit when utility power dips below 80-85% of nominal voltage. A low voltage battery protection circuit shall be provided and will disconnect the load and circuitry from the battery when it reaches 87 1/2% of its nominal voltage. The unit shall be capable of full recharge in compliance with UL924 specifications. The unit shall be furnished with sealed, dust-tight relay, a test switch, and AC ready/hi-charge light.

The unit shall be available for surface, semi-recessed or fully-recessed mounting. The unit shall be constructed of impact resistant, flame retardant, light weight thermoplastic material in matte white color with a black trim. A metal back box shall be provided where recessed installation is required. The all metal fully-recessed version shall be constructed of 20 gauge steel with a white baked enamel surface trim. The unit shall be designed to mount to any standard 4" octagonal electrical box. The unit shall be furnished with a specular reflector and prismatic lens and shall give a 172° x 172° beam distribution pattern. The light source shall be either one (1) or two (2) highly efficient halogen lamps(s). Remote square fixtures shall match system square in physical appearance and mechanical arrangement. Fused output terminals shall be provided for ease of remote lamp connections.

Every PS Series unit shall be fully warranted for three years, subject to proper installation and maintenance.  
**Unit shall be EMERGI-LITE catalog number** \_\_\_\_\_.

## How To Order (example)

For standard units without options only order Series, Battery, Watts, Lamps

Options are added to units by listing suffix at end of model #

<b>PS</b>	<b>C</b>	<b>18</b>	-	<b>2</b>	<b>*HA</b>	-	<b>D1</b>
Series	Battery Type	Watts		No. of Lamps	Lamp Option		Option
	Nickel-Cadmium	for 90 min.		on unit	6V 6W Halogen		Time Delay

Includes Standard Lamp

\*see lamp data sheet in lighting fixture section for other lamp wattage.