



PS Series

6 and 12 Volt Square Shooter



Standard Features

- Each unit (standard) comes with one (1) halogen lamp (6 volt 6 watt or 12 volt 8 watt).
- Surface mount, semi-recessed units and fully recessed kits are constructed of an off-white, impact resistant, flame retardant, polymeric material. Fully recessed, "FRM" option units have an all metal back box.
- Available with sealed, maintenance-free Nickel-Cadmium, Long Life Lead, or Lead-Calcium batteries.
- PulsePlus Charger circuitry offers 120/277 VAC 60Hz., 0.3/0.15A (other inputs available), fused output circuit(s), temperature compensated charger, sealed relay, low voltage battery disconnect, brownout protection and lockout (automatic battery connect).
- All models are supplied with a specular reflector and are designed to mount directly to a standard octagonal electric box.
- UL Listed. Complies with NEC, Life Safety Code and OSHA. Approved use in the Commonwealth of Pennsylvania.
- 3-year full warranty, excluding lamps, pilot lights and fuses.

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.

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.

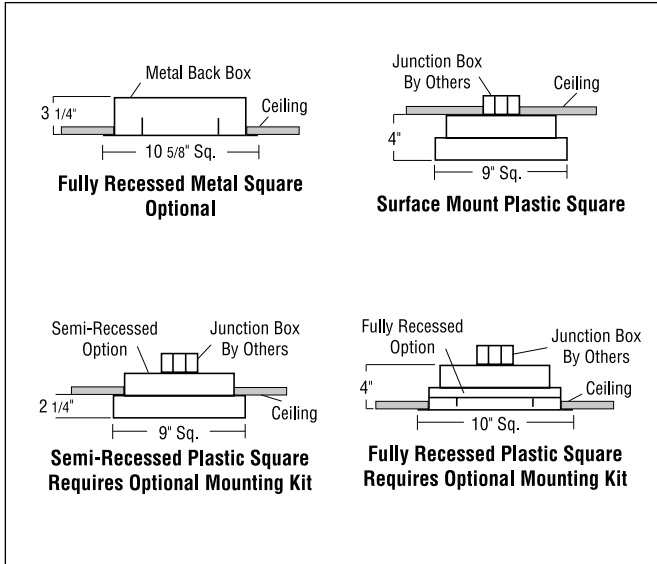
TYPE PSM to be supplied with Lead Calcium battery.

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 fullyrecessed 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 _____.

Outline and Dimensions

Dimensions are approximate and subject to change.



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.

Accessories (order as a separate item)

Description	Add Suffix
Semi-Recessed Kit (converts a surface mount unit to semi-recessed)	PS-SRKIT*
Fully-Recessed Kit (converts a surface mount unit)	PS-FRKIT*
Wire Guard (Surface or Semi-Recessed)	WG1-E
Wire Guard (Fully-Recessed)	WG11-E

*Bar hangers included.

Unit Rating Chart

6 volt unit furnished with 6 watt Halogen lamp(s).

12 volt unit furnished with 8 watt Halogen lamp(s).

Unit Equipment – NO REMOTE capability						
Sealed Maintenance-Free Battery Type	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	6	PSE9	9	7	—	—
Lead-Calcium	6	PSE9	9	6	—	—
Unit Equipment – 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
Long Life Lead	12	12PSC36-2	36	21	15	12
	6	PSE18	18	11	8	6
	6	PSE18-2	18	11	8	6

*National Electrical Code Specification

-2 indicates two lamp version

How to Order

Series	Battery Type / Capacity	No. of Lamps	Lamp Type	Diagnostic Option	Options
PS= 6V Series	C18= 6V-18W Ni-Cd C25= 6V-25W Ni-Cd E9= 6V-9W long life lead E18= 6V-18W long life lead M9= 6V-9W lead calcium	Blank= One lamp -2= Two lamps	Blank= 6V-6W or 12V-8W halogen bi-pin HB= 6V-8W halogen bi-pin HC= 6V-10W halogen bi-pin HD= 6V-12W halogen bi-pin HG= 12V-12W halogen bi-pin	Blank= Standard unit -AD= Advanced diagnostic -ADNA= Advanced diagnostic non-audible	Blank= No options -A= Ammeter -V= Voltmeter -D1= Time delay 5 min -D2= Time delay 10 min -D3= Time delay 15 min* -F= Fully recessed -J= Polycarbonate lens -FRM= Fully-recessed all metal unit *Not required with AD or ADNA Time delay standard at 15 minutes
12PS= 12V Serie	C36= 12V-36W Ni-Cd		Note: See lamp data sheet in general information section for details		

EXAMPLE: PSC18-2HA-AD-FRM

For standard units without options only order Model Number
Options are added to units by listing suffix at end of model #