



## JS Series

### 6 or 12 Volt Compact Steel Emergency Lighting Unit



Listed to UL924 Standard

#### Sealed Maintenance-Free Batteries

- Nickel-Cadmium
- Lead Calcium
- Long Life Lead

### General Information

The **JS Series** is an excellent combination of economy and quality – the best offered in the industry. This unit is compact, all metal, with a hinged door, and choice of battery. Each unit is self-contained and furnished standard with fully automatic charger and sealed relay, sealed maintenance-free battery, dual voltage transformer, low voltage battery disconnect, lockout, brownout, test switch, LED pilot light supervision and highly efficient light source.

### Standard Features

#### Reliability

The JS Series comes complete with a 3-year full warranty. Each unit is fully computer tested.

#### Unit Data

Housing: compact 20 gauge steel construction. Off-white epoxy enamel finish. A hinged door provides full access to battery and charger for ease of installation and servicing.

Light Source: two EF18 heads furnished standard with 9 watt high intensity incandescent lamps.

#### PulsePlus Charger

PulsePlus Circuitry offers 120/277 volt input standard, fused output circuits, dual diagnostic indicator lights, temperature compensation, sealed relay, low voltage battery disconnect, brownout protection and battery lockout.

### Self-Diagnostic Models

#### Advanced Diagnostics (audible and non-audible versions)

Our Advanced Diagnostic circuitry was designed to continuously monitor every critical function of the unit and attached remote lighting heads. Operational status is indicated by colored LED lamps. A high-pitch audible alarm and an LED status indicator alert maintenance personnel of a unit malfunction. This option saves the time spent on testing and trouble shooting by maintenance personnel. This new generation of Emergi-Lite diagnostics is perfect for any application.

Self-testing in accordance with NFPA 101, Life Safety Code.

Unit tests itself every thirty days for one minute, thirty minutes on the sixth month and ninety minutes annually.

### Electrical

**Power Requirements:** 120/277 Vac, 60 Hz., 0.3/0.15 Amp (other inputs available) **Output:** 6 or 12 volt, fused output circuit. **Transfer:** dust-tight, sealed 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 87½% of its nominal voltage, 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 to where fluorescent lamps extinguish. **Charger:** the PulsePlus 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. The equipment is capable of full recharge in compliance with Underwriters Laboratories 924 specifications. **Transformer:** 120/277 volt. **Controls:** test switch, long-life LED pilot indicator light.

### Optional Features

Description	Add Prefix
Chicago Approved .....	CC
Black .....	B
Description	Add Suffix
Ammeter and/or voltmeter .....	-A* or -V*
Advanced diagnostics (Lead-Calcium only).....	-AD
Advanced diagnostics, non-audible.....	-ADNA
Lamp disconnect switch.....	-K
Time delay (specify 5, 10 or 15 minutes).....	-D1, D2, D3**
Cord set - 120 volt .....	-C***
Special-voltage CP (Specify plug type) .....	-E***
Front mounted heads (for low ceilings) .....	-FM
EF150 decorative heads (white) .....	150
EF10 lamp heads.....	10

\*Not available with diagnostics option.

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

\*\*\*Standard 15 minutes with AD/ADNA option.

\*\*\*Standard cord is 3 ft. (custom lengths available).

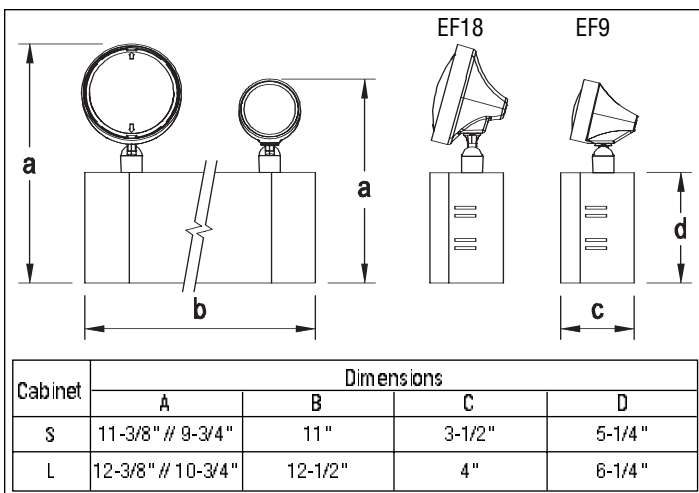
NOTE: Certain option combinations may affect the listing. Please contact the factory for specifics.

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

Mounting bracket (S cabinet).....	BJ
Wire Guard (S cabinet) .....	WG1
Wire Guard (L cabinet) .....	WG2
Wire Guard (front mounted heads).....	WG10
Polycarbonate vandal resistant shield (S cabinet) .....	VRS-BB
NEMA 4X polycarbonate vandal resistant shield (S cabinet) ...	VRS-BB4X

## Outline and Dimensions

Dimensions are approximate and subject to change.



## Unit Rating Chart

Furnished standard with two 9 watt High Intensity Incandescent lamps.

UNIT EQUIPMENT - 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.				Cabinet Size
Nickel-Cadmium Δ	6	JSC18-2	18	12	-	-	S
Long Life Lead Δ	6	JSE18-2	18	11	8	6	S
Lead Calcium Δ	6	JSM18-2	18	12	10	7	S
UNIT EQUIPMENT - WITH REMOTE CAPABILITY							
Nickel-Cadmium Δ	6	JSC18-1	18	12	9	6	S
	6	JSC25-2	25	18	12	9	S
	12	12JSC36-2	36	21	15	12	S
	12	12JSC50-2	50	36	25	18	S
Long Life Lead Δ	6	JSE27-2	27	16	12	10	S
	6	JSE36-2	36	24	17	13	S
	6	JSE54-2	54	37	28	21	L
	12	12JSE36-2	36	24	17	13	S
	12	12JSE54-2	54	37	28	21	L
Lead Calcium Δ	6	JSM27-2	27	18	14	10	S
	6	JSM36-2	36	25	20	14	S
	6	JSM54-2	54	37	28	21	L
	12	12JSM36-2	36	25	20	14	S
	12	12JSM54-2	54	37	28	21	L

\*National Electrical Code Specification

□ New York City Approved

Δ = Advanced Diagnostics Available

## \*Unit Warranty

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

## \*Battery Warranty

Unit batteries are warranted as follows:

**Sealed Nickel-Cadmium: JSC** – 10-year life expectancy, 5-year Full Warranty, plus 5-year pro rata warranty.

**Sealed Long Life Lead: JSE** – 12-year life expectancy, 5-year Full Warranty, plus 5-year pro rata warranty.

**Sealed Lead Calcium: JSM** – 8-year life expectancy, 3-year Full Warranty, plus 3-year pro rata warranty.

\*Subject to proper installation and maintenance.

## Suggested Specification

Supply and install **EMERGI-LITE Series JSC** \_\_\_\_\_, **JSE** \_\_\_\_\_ or **JSM** \_\_\_\_\_ in 6 or 12 volt, single or double heads, 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 JSC** to be supplied with Nickel-Cadmium battery.

**TYPE JSE** to be supplied with long life pure lead battery.

**TYPE JSM** to be supplied with lead calcium battery.

The unit shall supply the rated load for a minimum of 1 1/2 hours or 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 to where fluorescent lamps extinguish. A low voltage battery disconnect 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 a sealed dust-tight relay, a test switch and dual diagnostic LED indicator lights (hi-charge and AC pilot).

The cabinet shall be compact size, all 20 gauge steel construction. Sprayed epoxy enamel finish colors shall be off-white, body and door. The door shall be hinged to provide full access to battery and charger for ease of installation and servicing. Unit shall have rear keyhole mounting slots and will be designed to mount directly to any standard 4" octagonal electrical box. Unit shall have provisions for mounting up to three lighting heads on the cabinet (top or front mount). Unit shall be furnished with two EF18 lighting heads constructed of impact resistant, flame retardant polymeric material complete with 9 watt high intensity incandescent lamps. Fused output terminals shall be provide for ease of remote lamp connections.

Every **JS 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, Heads

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

<b>JS</b>	<b>M</b>	<b>18</b>	<b>-</b>	<b>2</b>	<b>ZD</b>	<b>-</b>	<b>D1</b>
Series	Battery Type Lead Calcium	Watts for 90 min.		No. of Head on unit	Lamp Option 6V 9W		Option Time Delay

<b>12JS</b>	<b>C</b>	<b>36</b>	<b>-</b>	<b>2</b>	<b>ZF</b>	<b>-</b>	<b>D1</b>
Series	Battery Type Nickel-Cadmium	Watts for 90 min.		No. of Head on unit	Lamp Option 12V 9W		Option Time Delay