



Large "L" Enclosure
Fiberglass Housing
 U.L. Listed NEMA Enclosure
 160 and 175 watts 6 & 12 volts

Small "S" Enclosure
Polycarbonate Housing
 Weather & Corrosion-resistant
 18 to 110 watts and 6, 12 & 24 volts

TYPE: _____

CATALOG #: _____

NOTES: _____

KS Series

High Impact Enclosure

6, 12 & 24 Volt

Listed to UL 924 Standard

Sealed Maintenance-Free Battery

- Nickel-Cadmium
- Lead Calcium
(Free Electrolyte)
- Long Life Lead
- Lead Calcium



Industrial Applications

The **KS Series** is designed specifically for industrial applications involving severely corrosive or damp environments. It is ideally suited for areas such as food processing plants, marine locations and chemical plants.

Standard Features

Reliability

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

Enclosure Data

Both the "S" and "L" enclosure are corrosion-resistant. Both include separate battery compartments, fully gasketed door, stainless steel hardware and weather and corrosion-resistant lighting heads installed. The "S" enclosure is constructed of high impact thermoplastic and the "L" enclosure is constructed of fiberglass.

Pulse Charger

Fully automatic pulse charger offers 120/277 Vac input 60 Hz., 0.3/0.15 A (other inputs available), fused output circuit(s), diagnostic LED indicator lights for AC-on and high charge, temperature compensated charging circuit, sealed relay, low voltage battery disconnect, brownout protection and lockout (automatic battery connect).

Self-Diagnostic Models (optional)

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 (if selected) and an LED status indicator alert maintenance personnel of a unit malfunction. The self-testing program will periodically test the unit in accordance with NFPA 101, Life Safety Code. 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.

The self test will test the unit for a minimum 30 seconds every 30 days, 30 minutes every six months and 90 minutes annually.

General Information

Industrial areas need rugged weather and corrosion-resistant heavy duty enclosures to protect circuitry and connections from harmful dust, liquids or moisture.

Emergi-Lite offers **KS Series** industrial enclosures with sealed maintenance-free batteries. **KS Series** enclosures are chemical resistant fully gasketed and come with stainless steel hardware. The large "L" cabinets are U.L. Listed NEMA enclosures. Used for 160 and 175 watt units they are constructed of fiberglass and can accommodate up to three top-mounted thermoplastic heads. For ease of installation the door has a stainless steel retaining chain.

Small "S" enclosures, used for 18 to 110 watt units, are constructed of polycarbonate and can accommodate up to two front mounted thermoplastic heads. For ease of installation a removable hinged door is incorporated into its design.

Optional Features

Description	Add Suffix
Advanced Diagnostics	-AD
Advanced Diagnostics, non-audible	-ADNA
Lamp Disconnect Switch	-K
Time Delay (Specify 5, 10 or 15 minutes)	-D1, D2, D3*
Temperature Control, 120 volt heater.....	-H1
Temperature Control, 277 volt heater.....	-H2
Cord & Plug for Fiberglass Enclosure	-C**
Cord & Plug – Special Voltage (Specify plug type)	-E**
Photometric Test Switch	-S
Voltmeter	-V*
Ammeter	-A*

* Not required with the AD/ADNA option.

Standard 15 minutes with AD/ADNA option.

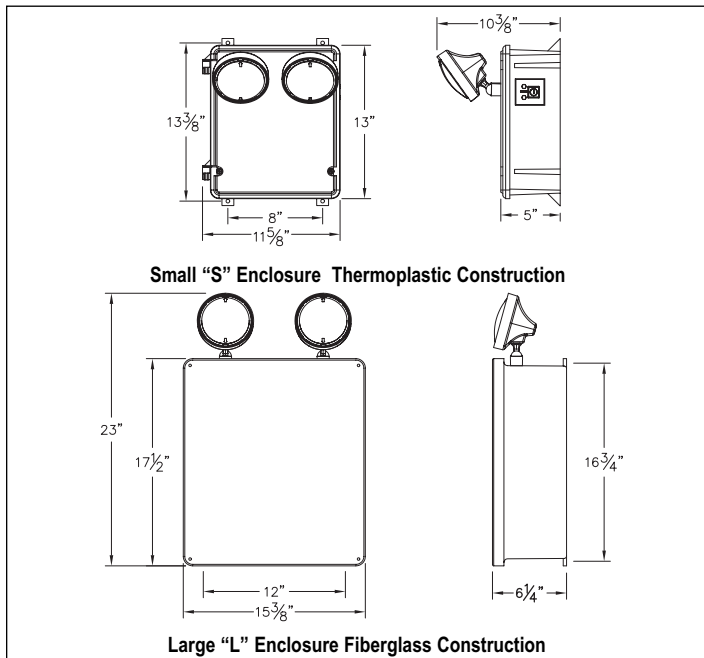
**Standard cord is 3ft., custom lengths available.

NOTE: Certain option combinations may affect the listing.

Please contact the factory for specifics.

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				Unit Housing
			11/2 hrs.	2 hrs.	3 hrs.	4 hrs.	
Nickel-Cadmium Δ	6	KSC18-2-F**	18	12	10	7	S
Long Life Lead Δ	6	KSE18-2-F	18	11	8	6	S
UNIT EQUIPMENT - WITH REMOTE CAPABILITY							
Nickel-Cadmium Δ	6	KSC25-2-F**	25	18	9	5	S
	12	12KSC36-2-F**	36	21	12	6	S
	21	12KSC50-2-F**	50	36	18	10	S
	24	24KSC100-2-F	100	73	37	20	S
Long Life Lead Δ	6	KSE27-2-F	27	19	10	5	S
	6	KSE36-2-F	36	24	13	7	S
	6	KSE54-2-F	54	36	20	11	S
	6	KSE80-2-F	80	65	35	19	S
	6	KSE110-2-F	110	74	43	21	S
	6	KSE160-2-F	160	130	70	38	L
	12	12KSE36-2-F	36	24	13	7	S
	12	12KSE54-2-F	54	37	21	10	S
	12	12KSE110-2-F	110	74	43	21	S
	12	12KSE160-2-F	160	130	70	38	L
	24	24KSE110-2-F	110	74	43	21	S
	Lead-Calcium (Free Electrolyte) Δ	6	KC87-2-F	87	70	41	24
6		KC100-2-F	100	77	47	24	L
6		KC175-2-F	175	140	82	48	L
Lead-Calcium Δ	12	12KC175-2-F	175	140	85	48	L
	6	KSM27-2-F	27	18	10	6	S
	6	KSM54-2-F	54	37	21	21	S
	6	KSM81-2-F	81	54	30	18	S
	6	KSM110-2-F	110	72	40	24	S
	12	12KSM54-2-F	54	37	21	12	S
Lead-Calcium Δ	12	12KSM110-2-F	110	72	40	24	S
	24	24KSM110-2-F	110	72	40	24	S

*National Electrical Code Specification

**CSA NRTL UL924 Listed

Δ = Advanced Diagnostics Available

Electrical

Power Requirements: 120/277 Vac, 60 Hz., 0.3/0.15 A (other inputs available). **Output:** 6, 12 or 24 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% of its nominal voltage, preventing deep discharge and permanent damage to the battery. **Lockout:** Labor saving electronic circuit automatically connects battery when the AC circuit is activated. **Brownout:** Close tolerance electronic circuit activates emergency unit when utility power dips below 80-85% of nominal voltage.

Emergency Heads: The unit is furnished with two EF11 weather resistant lighting heads. Heads are constructed of impact resistant, flame retardant, thermoplastic and have 9 watt high intensity incandescent lamps. **Charger:** The charger utilizes an integrated circuit which samples the battery in relation to its temperature, state of charge and input voltage fluctuations. The charger is two-rate, temperature compensated, short-circuit protected and reverse polarity protected. The equipment is capable of full recharge in compliance with UL924 specifications. **Transformer:** 120/277 Vac input. **Controls:** Sealed push-to-test switch and diagnostic indicator lights for AC-on and pulse charge.

Suggested Specification

A 6, 12 or 24 volt emergency lighting unit shall be installed in accordance with Article 700 of the National Electrical Code and shall be U.L.924 Listed.

Housing: Shall be weather and corrosion-resistant and designed specifically for hostile environment applications. Access door shall be fully gasketed and shall have stainless steel hardware. **Large "L" enclosure,** used for 160 and 175 watt units, shall be a NEMA rated, U.L. Listed, fiberglass enclosure and shall accommodate up to three top-mounted thermoplastic heads. For ease of installation, the door shall have a stainless steel retaining chain. **Small "S" enclosure,** used for 18 to 110 watt units shall be constructed of high-impact, flame retardant (5VA) thermoplastic and shall accommodate up to two frontmounted EF11 weather resistant heads. For ease of installation the door shall incorporate a removable hinged design. **Mounting:** wall mounting feet provided.

*Unit Warranty

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

*Battery Warranty

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

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

Sealed Lead Calcium (Free Electrolyte): 12 year life expectancy, 5-year Full Warranty, 5-year pro rata warranty.

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

*Subject to proper installation and maintenance.

How To Order

Example: 12KSC36-2ZH-F-D1

For standard units without options only order Series, Battery, Watts, Heads.

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

Series	Battery Type	Watts for 90 min.	# of Heads	Lamps Option	Cabinet	Options
12KS	E	36	-2 = 2 heads	ZH = 12V-18W, MR16*	F	D1 = Time delay (5 min.)
*See lamp data sheet for other wattages						