



Job Name: _____

Type: _____

Voltage: _____

CODES AND STANDARDS

UL924 listed
Meets NFPA Life Safety Code 101, NEC,
OSHA, Local and State Codes

VOLTAGE INPUT

Universal 120/277VAC input

FINISH

Rugged steel housing and trim in neutral
cream finish

CONSTRUCTION

Extremely low profile design - 1/4" (.6 cm)
Housing and Trim: Heavy duty steel housing
and trim is finished in neutral cream baked-on
powder paint providing scratch and corrosion
resistance. Optional black (-B) and special
color paint (-SP) finishes are available, see
Options for ordering details.
Prismatic Lens: Unit lens is constructed of
water-clear acrylic.

LAMPS

A high output halogen lamp and prismatic
lens provides glare-free light distribution.
Lamp Type: Halogen - Bi-pin
Lamp Rating - 6V Models: 6 volts, 8 watts
Lamp Rating - 12V Models: 12 volts, 8 watts
Lamp Life: 100 hours (expected average)

BATTERY

Sealed lead calcium or long life nickel
cadmium battery designed to provide many
years of maintenance free dependable service.

INSTALLATION

Fully Recessed Mounting: Units are supplied
with provisions for attachment of mounting
bars (supplied by installer) for installation to
ceiling joists or T-grid members.
Wiring: Knockouts in the housing base allow
wiring to conduit.

OPERATION

Upon failure of the normal utility power, a
solid-state transfer switch automatically
connects the unit's battery to the emergency
lamp. Emergency illumination will be
supplied for a minimum of 90 minutes.
During emergency operation, the unit battery
is protected from severe discharge damage by
an automatic low voltage disconnect circuit
that discontinues unit operation when battery
voltage reaches 87.5% of nominal. When
normal utility power is restored, the battery is
automatically disconnected from the load and
a recharging cycle begins that will return the
battery to full capacity within 24 hours.

ELECTRONICS

Charger Type: Fully automatic, temperature
compensating, variable rate float charger
Utility Input: 120/277VAC, 60 Hz.
Power Consumption: 15 watts (maximum)
Temperature Range: 50°F to 104°F (10°C to
40°C)
Recharge Duty Cycle: 24 hours
Load Transfer: A solid state transfer circuit
provides load connection.
Controls: Momentary test switch and LED
AC-On indicator light
Safety Circuitry:
AC Lockout: Prevents battery discharge prior
to initial unit power-up saving installation
time.
Low Voltage Battery Disconnect: Protects the
battery from being severely damaged by deep
discharge during prolonged power failures.
DC Overload and Short Circuit Protection:
Provided by a disconnect circuit that
automatically resets itself when the fault
condition is corrected.
Brownout Protection: Automatically switches
the unit to emergency mode when utility
voltage is reduced to the point at which most
fluorescent light fixtures would extinguish.

CATALOG NUMBER (Example: SE6N24-2-FR)

Catalog Number	Voltage	Wattage	Lamp Type
Lead Calcium:			
SE6L-1-FR	6	12	1-8W halogen
SE6L24-1-FR	6	20	1-8W halogen
SE6L24-2-FR	6	20	2-8W halogen
SE12L24-14-FR	12	20	1-8W halogen
Nicad			
SE6N-1-FR	6	12	1-8W halogen
SE12N24-14-FR	12	22	1-8W halogen

Options^{1,2}

Add Suffix	Description
-B	Black Finish - Housing and Lighting Heads
-SP	Special Paint Finish - Specify Color

Accessories

PG-5	Wire Guard
VERS	Vandal/Environmental Shield
VERS-4X	Vandal/Environmental Shield with Gasket
978-FR-W-06	Matching 6 Volt Remote Square Fixture (6V, 8W)
978-FR-W-53	Matching 12 Volt Remote Square Fixture (12V, 8W)

¹ Other options available. Consult factory.

² Some options may impact UL listing.

SE-FR SERIES Emergency Square Unit - Recessed

SELF-DIAGNOSTICS

The optional SX self-diagnostics circuit automatically cycles the emergency lighting unit every 25-30 days. The SX circuit checks for battery charging and over charging, battery capacity and reports any system malfunction. By design the SX does not activate the lighting heads, thus avoiding substantial lamp life reduction.

WARRANTY

Unit: (excluding lamps) 3-years full coverage against defects in materials and workmanship from date of shipment
Battery: 3 years full warranty plus an additional 7 years of pro-rata coverage

SPECIFICATIONS

Model No.	Volts	Watts For 1-1/2 Hrs.	Watts For 2 Hrs.	Watts For 3 Hrs.	Watts For 4 Hrs.	Standard Lamp	Weight (Lbs.)
SE6L-1-FR	6	12	8	–	–	8W Halogen	7
SE6L24-1-FR	6	24	16	12	10	8W Halogen	10
SE6L24-2-FR*	6	24	16	12	10	8W Halogen	10
SE12L24-14-FR	12	24	16	12	10	8W Halogen	11

*Twin lamp model – supplied with two 8w halogen lamps

DIMENSIONS

