



# SERIES SQ, SQ-D

TYPE: \_\_\_\_\_  
 CATALOGUE #: \_\_\_\_\_  
 NOTES: \_\_\_\_\_



## Decorative Style Equipment 6 Volt Long-Life Maintenance-Free Lead Calcium or Nickel-Cadmium Battery

**THE SQUARE-LITE**  
 (No Remote Capability)

**THE SQUARE-LITE MASTER**  
 (With Remote Capability)

MODEL SQN and SQN-D: Sealed Nickel-Cadmium Battery.  
 MODEL SQG and SQG-D: Sealed Lead Calcium Battery.



**Application** For institutional and commercial environments where overall style of decor is essential and where directional lighting is not critical.

### Features

- **CONSTRUCTION:** Molded from impact resistant, flame retardant, thermo-plastic. Matte white case, satin black back, clear prismatic lens.
- **MOUNTING:** Can be surface or recessed ceiling mounted. SQR conversion kit available for semi-recessing into ceiling. FSQR conversion kit available for full recessing. Bar hangers supplied with recessed kit.
- **ELECTRONICS:**
  - Automatic, temperature compensated, pulse type charger.
  - High capacity, automatic, dust-tight instantaneous transfer relay.
  - Low voltage disconnect prevents overdischarge of battery. Automatic brownout protection is provided.
  - Labor saving AC line latch prevents battery discharge during installation to a non-energized circuit.
- **CONTROLS:**
  - AC-ON LED indicates AC power is on
  - Momentary test switch allows for quick operational check of entire system.

**POWER REQUIREMENTS:**  
 120/277 Vac, 60Hz, 0.1/0.05 Amps.

### Battery

6 volt long life, maintenance-free sealed lead calcium or Nickel-Cadmium.

### Lamp

Furnished with one high efficiency Tungsten halogen lamp. Provides a non-directional even light distribution with beam spread of more than 170°.

### Accessories

(Order as separate item) **Model**  
 Guard (For Semi-Recessed) . . . . .WG1-L  
 Guard (For Fully-Recessed) . . .WG11-L  
 Semi-Recessed Conversion Kit . . . .SQR  
 Full-Recessed Conversion Kit . . . .FSQR  
 Matching style remote fixture, Model ELF644 available.

### Options

(Add Prefix to Model No.) **Prefix**  
 Fully Recessed Metal . . . . .-R  
 Add Suffix to Model No.) **Suffix**  
 Improved Diagnostics . . . . .-ID  
 Improved Diagnostics (Non-Audible) .-IDNA  
 Voltmeter (not available with diagnostics) . . .-V  
 Two Lamps . . . . .-2  
 Polycarbonate Lens . . . . .-PL  
 Time Delay (12 min.) . . . . .-TD\*

\* Not required with ID/IDNA option  
**Note: Certain option combinations may affect the listing. Please contact the factory for specifics.**

## Unit Selection Chart

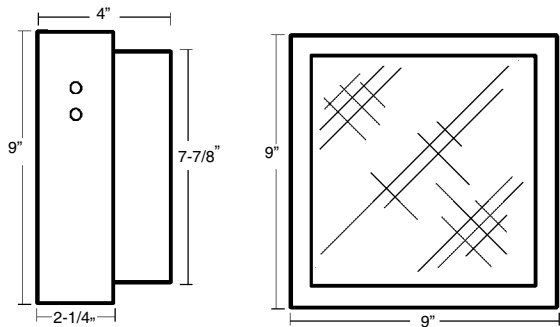
#### NO REMOTE CAPABILITY

Volts	Model No. (unit/Lamp Suffix)	Battery	Capacity in Watts to 87 1/2% of Nominal Battery Voltage		Standard Lamps		
			1 1/2 Hrs.	2 Hrs.	Watts	Type	Lamp Rplc. No.
6	SQG/LH7	Sealed Lead Cal.	10	—	10	Halogen	580.0017
	SQN/LH7	Sealed Nick. Cad.	10	—	10	Halogen	580.0017

#### WITH REMOTE CAPABILITY

6	SQG-D/LH5	Sealed Lead Cal.	24	18	8	Halogen	580.0013
	SQN-D/LH5	Sealed Nick. Cad.	24	18	8	Halogen	580.0013

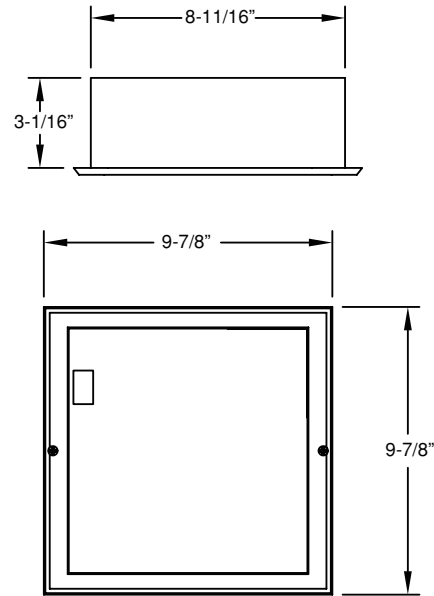
# Specifications For Series SQ, SQ-D



SIDE

FRONT

## Surface Mount



## Fully Recessed

**GENERAL:** The contractor shall furnish and install 6 volt emergency lighting units, as indicated on all plans. Input power shall be 120/277 Vac 60 Hz.

**HOUSING:** Surface mount unit, manufactured from injection-molded, flame-retardant, impact resistant thermoplastic. Recessed unit manufactured of heavy-duty steel construction.

**LIGHTOUTPUT:** The light source is a high-efficiency tungsten halogen lamp producing light at 3200°K for superior color rendition. Combined with a specially designed reflector and prismatic acrylic lens, it provides an even light distribution with a beam spread of more than 170° free of highlights and hot spots.

**BATTERY:** Unit shall contain a 6 volt sealed, non-refillable, maintenance-free, Lead Calcium battery (SQG, SQG-D) or a 6 volt sealed Nickel-Cadmium battery (SQN, SQN-D). Capacity shall be minimum low, as shown in Unit Selection Chart.

**TRANSFER:** A heavy duty dust-tight transfer relay shall automatically and instantaneously connect the lamp load to the battery upon failure of the normal AC supply, and shall disconnect the lamps when normal power is restored.

**CHARGER ASSEMBLY:** An automatic, temperature compensated, pulse type charger shall be provided. The charger shall be reverse polarity protected, short circuit proof and capable of recharging the battery in accordance with UL924.

**A low voltage disconnect** shall be provided to shut off the lamp load and circuitry when battery reaches 87½% discharge to protect battery from possible damage due to deep discharge. **Brownout circuit** shall be provided which activates emergency mode when AC power dips below 80-85% of nominal voltage. **AC line latch** circuit shall be provided which prevents battery discharge during installation to a non-energized circuit.

**CONTROLS:** **Charger monitor LED** shall be provided to indicate state of charge of the battery. **Momentary test switch** shall be provided to allow for periodic testing of the entire system.

**WARRANTY:** Entire unit (less lamps & fuses) shall carry a 3 year full warranty against defects in parts or workmanship under normal and proper use. The sealed Lead Calcium battery shall carry an additional 3 year pro-rata warranty. The sealed Nickel-Cadmium battery shall carry a 5 year warranty with an additional 5 year pro-rata.

**MANUFACTURER:**

Unit shall be Lightalarms Model \_\_\_\_\_

## Ordering Information

Example: SQG/LH7-V

Series	Battery Type	Lamp Suffix	Options
SQ= series	G=	/LH7=	-V= voltmeter



**Thomas&Betts**