

Type No. \_\_\_\_\_  
 Job Name \_\_\_\_\_  
 Catalog No. \_\_\_\_\_



# Super Square II Series



Shown: S201N



Surface, Semi, and Fully Recessed Emergency

Maintenance Free, Sealed Lead Calcium or Nickel Cadmium Battery

## Housing

- UL 94 V-0, 5 VA impact resistant thermoplastic housing and backbox
- Unit may be surface, semi- or fully recessed mounted and may be mounted to any standard junction box
- Matte white housing with black backbox
- Optional semi-recessed box is 22 gauge steel
- Acrylic lens standard; shatter resistant polycarbonate lens optional

## Battery

- The S201N and S300N use maintenance free, nickel cadmium batteries
- Nickel cadmium batteries are recommended for semi or fully recessed versions and high ambient temperature areas
- Nickel cadmium battery has an expected service life of 10 years with an operating range of 20°F (-7°C) to 95°F (35°C)\*
- The S201L uses a maintenance free, sealed lead calcium battery
- Lead calcium battery has an expected service life of 5 years with an operating range of 65°F (19°C) to 85°F (30°C)\*

\* Increases or decreases in temperature will affect battery performance and/or capacity. Optimum battery performance realized at 77°F (25°C).

## Operation

DC Voltage	Unit	Watts to 87½ of Rated Voltage*			
		1½ hrs.	2 hrs.	4 hrs.	8 hrs.
6	S201N	12.0	9.0	--	--
6	S300N	26.0	19.5	12.5	--
6	S201L	12.0	9.0	--	--

\* Per NEC Specifications

## Electronics

- 120/277 VAC dual voltage input capability
- Lead calcium units utilize a solid-state, fully automatic, voltage regulated charger
- Nickel cadmium units utilize a solid-state, constant voltage charger
- Includes low voltage disconnect (LVD), brownout protection, and AC lockout installation features
- All units are provided with high output halogen lamps
- Master unit/remote capability with S300N
- Test switch and AC indicator light
- Emergency operation provides a minimum of 90 minutes of illumination

## Electrical Specifications

120 VAC - 0.096 amps, 10 watts  
 277 VAC - 0.04 amps, 10 watts

## Code Compliance

- UL 924 listed
- NFPA 101, NEC, BOCA, OSHA, and IBC illumination standards

## Application

- Ideal for commercial locations where low profile emergency lighting that blends with the building decor is desired

## Warranty

Electronics: 3 years  
 Battery: 1 year full, 4 years pro-rata (lead calcium)  
 5 years full, 5 years pro-rata (nickel cadmium)

# Super Square II Series

## Ordering Information

SERIES/BATTERY	MOUNTING CONFIGURATION	OPTIONS
<u>Master Units</u> <b>S201N</b> = 6 Volt, 12 Watt, Nickel Cadmium Battery <sup>1</sup> <b>S300N</b> = 6 Volt, 26 Watt, Nickel Cadmium Battery <sup>1</sup> <b>S201L</b> = 6 Volt, 12 Watt, Lead Calcium Battery	<b>Blank</b> = Surface Mount <b>FR</b> = Fully Recessed  (for semi-recessed, order SRK1 accessory)	<b>V</b> = Voltmeter <b>PC</b> = Polycarbonate Lens <b>2L</b> = (2) 7-watt lamps (S300N only)

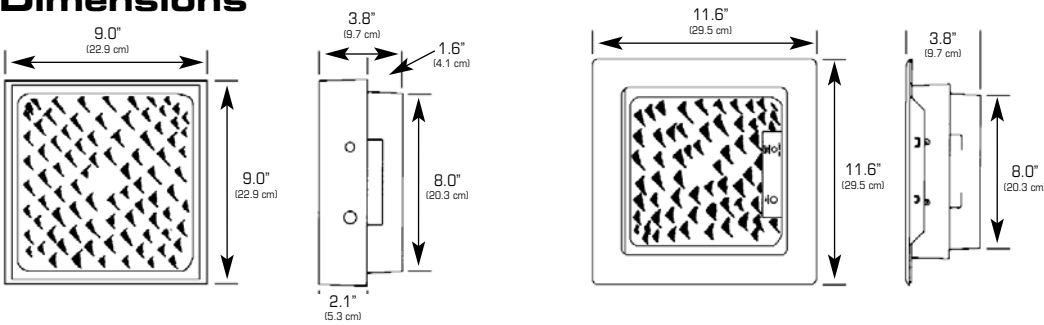
ACCESSORIES (Ordered Separately)
<b>SRK1</b> = Semi-Recessed Kit <b>WG3</b> = Wire Guard for Surface Mount <b>WG4</b> = Wire Guard for Fully Recessed unit  <u>Remote Units<sup>2</sup></u> <b>S400B</b> = 6 Volt, 7 Watt, Surface Mount <b>S400BFR</b> = 6 Volt, 7 Watt, Fully Recessed <b>S400C</b> = 12 Volt, 12 Watt, Surface Mount <b>S400CFR</b> = 12 Volt, 12 Watt, Fully Recessed

**NOTES:** 1) Nickel cadmium units are recommended for recessed applications.  
 2) Remote fixture only. Does not include emergency power source.

## Ordering Example

Series \_\_\_\_\_ S201N    FR    PC  
 Mounting Configuration \_\_\_\_\_  
 Options \_\_\_\_\_

## Dimensions



Dimensions are approximate and subject to change.

## Suggested Specification

Furnish and install LightGuard's self-contained emergency lighting model \_\_\_\_\_. The emergency lighting unit shall be listed to Underwriters Laboratories, Inc. Standard #924 and shall meet the standards of the National Electrical Code.

The S201N and S201L shall be self-contained units with 90 minutes of emergency backup operation. The S300N shall be capable of powering 6 volt remote fixtures (i.e. S400B, remote 6 volt lamp heads and exit signs) for 90 minutes in emergency mode to meet UL standards.

**OPERATION** - Upon failure or brownout of utility power, the units shall automatically transfer to battery power and maintain the required illumination for a period of 90 minutes. Upon restoration of utility power, the charger shall restore the battery to full charge per UL 924 standard requirements.

**CHARGER** - Nickel cadmium units shall be equipped with a solid-state constant voltage charger. Sealed lead calcium battery units shall be equipped with a solid-state, fully automatic constant voltage charger.

**BATTERY** - The battery used with S201N and S300N shall be maintenance free, sealed nickel cadmium. S201L shall use a maintenance free, sealed lead calcium battery.

**HOUSING** - The housing shall be lightweight, UL 94 V-0, 5 VA impact resistant thermoplastic. Lens shall be high impact acrylic or polycarbonate.

**ILLUMINATION** - The Super Square II Series shall use halogen lamps with a reflector lens system to provide a 172° beam spread.

**STANDARD CONTROLS** - Shall include an AC indicator light and a press-to-test switch which simulates a power failure.

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



272 West Stag Park Service Road • Burgaw, NC 28425  
 (910) 259-1131 • FAX (800) 403-6927  
 www.lightguard.com

L2039R14  
 5/09 IH