



# Lite<sup>2</sup>™ Series

Self-contained emergency lighting squares  
in single and twin lamp versions.



Catalog Number	
Comments	Type

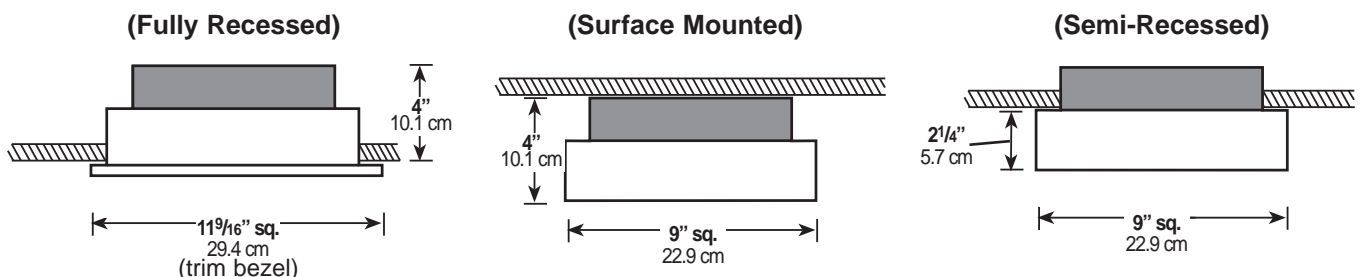
## Features

- Completely self-contained
- Provides 90 minutes of emergency lighting
- Matte-white frame and satin-black housing
- Available in single and twin lamp models
- Prismatic lens for uniform illumination
- Polished alzak reflector
- Maintenance-free battery
- Fully automatic, solid-state charger
- Universal transformer for 120/277VAC input
- Automatic battery protection (LVD)
- Remote capability (ERS models only)
- AC pilot light test switch
- Test switch
- Standard and Spectron® self-testing/self-diagnostic models offered
- Operating Temperature Range: 20° to 30°C (68°F to 86°F)
- UL 924 Listed (Emergency Lighting)

## Product Selector

Fixture Type	Standard Model Nos.	Voltage	Output Watts			
			No. of Lamps	1.5 Hrs.	2 Hrs.	3 Hrs.
	EDS	6	1	10	--	--
	ERS	6	1	20	10	--
	ERS-3	6	1	30	22	15
	EDS-2	6	2	14.4	--	--
	ERS2-2	6	2	30	22	15
Fixture Type	Spectron Model Nos.	Voltage	Output Watts			
			No. of Lamps	1.5 Hrs.	2 Hrs.	3 Hrs.
	ESS-I	6	1	10	--	--
	ERS-I	6	1	20	10	--
	ERS-3I	6	1	30	22	15
	EDS-I2	6	2	14.4	--	--
	ERS-2I2	6	2	30	22	15
<b>(✓) Options</b>						
	-V	Voltmeter (not available with fully-recessed models)				
	-FRM	Fully recessed option				
<b>(✓) Accessories</b>						
	WG-MLT	Wire guard				
	F-SRM	Semi-recessed mounting kit				
	RERS-1-0609	Matching remote square DC fixture - single lamp				
	RERS-2-0607	Matching remote square DC fixture - twin lamp				

## Dimensions



Hubbell Lighting, Inc.

## Self-contained emergency lighting squares in single and twin lamp versions.

### Description

Lite<sup>2</sup> models are decorator-designed, self-contained emergency lighting squares. They are constructed of injection-molded, high-impact thermoplastic. The matte-white frame and satin-black housing will complement any decor. Each unit contains an SCR solid-state charger with an automatic transfer circuit. All model chargers include a low-voltage disconnect (LVD) circuit to prevent deep discharge damage to the battery. Unit controls include a charge indicator light and a test switch. Remote capability is available with ERS models. Remote output connections are fused.

### Operation

Both models will provide emergency operation for 90 minutes. Operation is fully automatic. The SCR solid-state charger maintains the battery at full charge. The lighting unit is activated automatically upon loss of normal power. All models have a special battery protection feature. Should battery voltage drop to 80% of nominal, it will disconnect the battery, thus preventing damage from a deep discharge. All units, on restoration of normal power, will begin a battery recharge cycle. It will bring the battery to full capacity within acceptable UL time standards. Charge is indicated by a pilot light. A test switch is provided to check transfer operation, charging function and DC lamp operation. A universal transformer allows either 120 or 277VAC operation.

### Temperature Range:

20°C to 30°C (68°F to 86°F).

### Power Consumption

15 watts maximum.

### Battery

**Type:** Maintenance-free lead-acid

### Installation

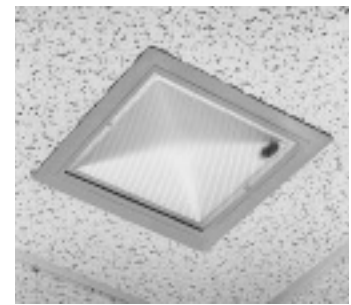
LITE<sup>2</sup> models may be mounted directly to any 3 1/2" or 4" octagonal or 4" square box. Recessed mounting is possible through the use of F-SRM kit or -FRM option. See "Recessed Mounting" section for details. ERS models incorporate fused remote fixture connections.

### Illumination

Single lamp models utilize a 9-watt miniature wedge-base lamp. Twin lamp models utilize two 7.2-watt miniature wedge-base lamps. The usual design objective in emergency lighting is to provide a level of illumination sufficient to allow people to leave a building in the event of a power failure.



Semi-recessed Lite<sup>2</sup> fixture.



Fully-recessed Lite<sup>2</sup> fixture

### Recessed Mounting

All Lite<sup>2</sup> units and matching remote fixtures may be semi-recessed using the F-SRM mounting kit. Lite<sup>2</sup> emergency units may be fully recessed, when specified with the -FRM option.

The F-SRM semi-recessed kit provides a metal ceiling mounting box that allows the unit's electronics compartment to be recessed into grid type suspended ceilings leaving only the white light box housing exposed.

Lite<sup>2</sup> emergency units ordered with the -FRM fully recessed mounting option are supplied with the units' test switch and pilot light located under the diffuser lens to allow ease of testing once installed. The fully recessed mounting option also includes an adjustable ceiling grid mounting bar and a decorative trim bezel. -FRM option not available with RERS matching remote square DC fixtures.

### Warranty

#### Standard Models:

**Unit and Electronics:** 3 years full

**Battery:** 3 years full, 3 years pro-rata (6 years total)

#### Spectron Models:

**Unit and Electronics:** 5 years full

**Battery:** 5 years full, 5 years pro-rata (10 years total)

### Suggested Specifications

Self-contained emergency lighting square shall be Dual-Lite LITE<sup>2</sup> Model constructed to conform to Underwriters Laboratories, Inc. standards. The housing shall be constructed of injection-molded, high-impact thermoplastic. Emergency power source shall be a sealed, maintenance-free, lead-acid battery. The unit shall be designed to provide automatic emergency lighting for a minimum of 90 minutes upon failure of normal electrical power. It shall have a solid-state battery charger with automatic battery protection circuit (LVD), capable of fully recharging the battery within acceptable UL time standards. Unit shall be rated for 120/277V, 60 Hz. Controls shall include a charge indicator lamp and a test switch for checking transfer operation. (One 9 watt wedge-base) (Two 7.2 watt wedge-base) lamp(s) shall produce high-lumen output and the fixture shall be equipped with a prismatic lens for uniform illumination.