

Project		Catalog #		Type	
Prepared by		Notes		Date	



## ← SURE-LITES

### SEL 30/70

LED Emergency Light  
 Up to 30' or 70' coverage  
 Lamp heads with multiple long-life LEDs  
 Injection molded color stable high impact thermoplastic  
 Optional Self Diagnostic  
 Available in Black and White  
 Available with extra power to drive additional remote heads

#### Typical Applications

Office • Education • Healthcare • Hospitality • Retail • Industrial  
 Manufacturing

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### Features & Specifications

- Egress coverage upto 30' or 70'
- Augment coverage with remote capable versions
- Environmentally friendly Lithium-Ion battery
- Single Wire universal 120-277V 50/60HZ AC input
- Toolless Opening, EZ hang, & ABConnect to reduce labor cost
- UL 924 damp location listed

### Product Certification



### Product Features

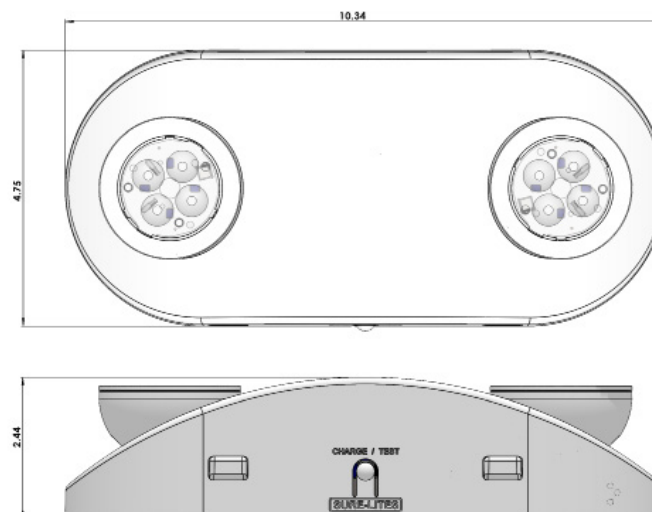


### Dimensional and Mounting Details

Weight:

SEL70SD: 1.25lbs / 0.57 kg

SEL30SD: 1.15 lbs / 0.52 kg



## Ordering Information

SAMPLE ORDER NUMBER: **SEL30, SEL70**

Series	Coverage	Color	Remote Head Support	Self Diagnostic	Full Catalog Options
<b>SEL</b>	<b>30</b> = 30 Feet <b>70</b> = 70 Feet	<b>_</b> = White <b>BK</b> = Black	<b>_</b> = No Remote Support <b>R4</b> = 4W Support for SEL30 <b>R5</b> = 5W Support for SEL70	<b>_</b> = No Self Diagnostic <b>SD</b> = Self Diagnostic	SEL30, SEL70, SEL30SD, SEL70SD, SEL30BKSD, SEL70BKSD, SEL30R4SD, SEL70R5SD

## Product Specifications

### Regulatory

- Listed to UL 924 for Field Installation in US and Canada (Indoor and Damp)
- NFPA 70 (National Electrical Code)
- NFPA 101 (Life Safety Code)
- CEC Title 20 Compliant

### Emergency Output Lumens (lamp heads)

- Fixture spacing - see page 3

### Illumination Time

- 90 Minutes

### AC Input Voltage

- Universal input 120 - 277 VAC, 50/60 Hz

### AC Input Current (max)

- 120 Vac = 55 mA
- 277 Vac = 35 mA

### Recharge Time

- 24 Hours for all standard products and 36 hours for products with remote battery (SEL30R4 and SEL70R5) capacity

### Charging Indicator Light / Test Switch

- Integrated, Bi-color LED Test Switch

### Temperature Rating (Ambient)

- 50° F to 104° F (10° C to 40° C)

### Battery

- Integral Maintenance-Free Lithium-Ion Battery

### Construction

- White thermoplastic housing
- UL 94 5VA Flame Rated, UV stable
- Contractor friendly snap together design
- Electronics and battery contained within housing

### Installation

- Wall and Ceiling mounting
- Backplate keyhole slots are easily removable
- Knockouts for securing to a 3" or 4" j-box

### Lamps

- Two (2) 2.5W LED lamp sources (5000K)
- Lampheads adjustable

### Surge Rating

- NEMA/ANSI C82.77-5-2017 100kHz Ring Wave (w/t 30Ω)
- >2.5kV Differential (L-N)
- >2.5kV Common (L-G, N-G, L&N-G)

### Dimensions

- 4.75" H x 10.34" W (121 mm x 267 mm)

### Weight

- SEL30 - 1.15 lbs / 0.52 kg
- SEL70 - 1.25 lbs (0.57 Kg)
- SEL30SD - 1.15 lbs / 0.52 kg
- SEL70SD - 1.25 lbs (0.57 kg)
- SEL30R4 - 1.25 lbs (0.57 kg)
- SEL70R5 - 1.35 lbs (0.62 kg)
- The housing color has no impact on the product weight.

### Warranty

- 5 Years (not pro-rata)

## Remote System Design Guidelines

SEL30/SEL70

SEL Series Remote								
		SRPA	Single Head Remotes			Double Head Remotes		
			SRP13/SRM13	SRP25/SRM25	SRP30/SRM30	SRP25D/SRM25D	SRP50D/SRM50D	SRP60D/SRM60D
<b>Watts Consumed</b>		<b>3.5</b>	<b>1.25</b>	<b>2.5</b>	<b>4.1</b>	<b>2.5</b>	<b>5</b>	<b>8.2</b>
Catalog Number	Remote Watts Available	# of SRPA Remotes Fixture Will Power	# of SRP/SRM13 Remotes Fixture Will Power	# of SRP/SRM25 Remotes Fixture Will Power	# of SRP/SRM30 Remotes Fixture Will Power	# of SRP25D/SRM25D Remotes Fixture Will Power	# of SRP50D/SRM50D Remotes Fixture Will Power	# of SRP60D/SRM60D Remotes Fixture Will Power
SEL30R4SD	4W	1	3	1	0	1	0	0
SEL70R5SD	5W	1	4	2	1	2	1	0

## Technical Data

### Application

- The SEL 30/70 is a high performance emergency lighting unit equipment that illuminates the path of emergency egress.
- Two lamp heads can be adjusted to provide optimum illumination and the unit comes with self-testing/self-diagnostic features, to ensure the product is always ready for an emergency and to simplify code compliance testing and maintenance.

### Operation

- When under normal power, the SEL 30/70's internal battery charges. Upon failure of normal power, it begins providing emergency power to the lamp heads using the internal battery for a minimum of 90 minutes. When normal power is restored, the SEL 30/70 automatically returns to charge mode. The battery capacity is fully restored in 24 hours.
- During automated testing, the SEL 30/70 simulates an AC power outage which causes the unit to switch to emergency mode and conduct a discharge test to monitor battery voltage and load operation. If a problem is detected the status indicator light flashes and the failure is logged. When testing is complete, the SEL 30/70 returns to the charging mode. Automatic testing is conducted for 30 seconds once a month and for 90 minutes once a year.
- ABConnect (Automatic Battery connect) simplifies shipping, storage, installation, and commissioning of the emergency lighting luminaire. It allows for the luminaire to be installed and made ready for use without needing to reopen the luminaire when AC power is turned on, thereby avoiding unnecessary drain on the battery. Once activated, the product can also be manually disabled, allowing the product or the luminaire to be safely stored for extended periods of time. In the situation where the user manually deactivates the emergency operation for shipping or storing product via the test switch, the ABConnect feature reactivates power when the driver senses that AC current has been applied. This feature saves time, labor and the potential to overlook the converter connector step. This reduces the possibility of inadvertently discharging the battery prior to installation, whether in transit or storage.

### Installation

- The SEL 30/70 can be either wall or ceiling mounted. The SEL 30/70 can be mounted on surface conduit (entry on top of housing in center of backplate). It can also mount to a standard single gang, 3" and 4" electrical box.
- The SEL 30/70 requires unswitched AC line to charge the battery, to identify when normal power is lost, and to switch to emergency mode.

### Emergency Illumination

- For more information, see the illustration and table on page 3.

### Code Compliance

- The SEL 30/70 has been tested by Underwriters Laboratories in accordance with the standards set forth in UL 924, "Emergency Lighting and Power Equipment". The SEL 30/70 is UL Listed for field installation. Emergency illumination time exceeds the National Electrical Code (NEC), Life Safety Code (NFPA-LSC), and UL 90-minute requirements.

### Warranty

- The SEL 30/70 is warranted for five (5) years from the date of manufacture. This warranty covers only properly installed product used under normal conditions. For the warranty period, Cooper Lighting Solutions will, at its discretion, repair or replace without charge a defective product provided it is returned to the factory transportation prepaid. An inspection will be conducted to determine if the unit is defective under the terms of the warranty. Repair or replacement, as stated, shall constitute the purchaser's exclusive warranty, which does not extend to transportation, installation, labor or any other charges; nor does it apply to any equipment of another manufacturer used in conjunction with the product.

### Specification

- Electronic circuitry shall be self-testing in design and automatically test emergency lighting for a minimum of 30 seconds every 28 days and 90 minutes once a year.
- The SEL 30/70 shall provide emergency lighting at 10°C to 40°C for a minimum of 90 minutes, and shall exceed emergency standards set forth by the current NEC. This device shall comply with Part 15 of the FCC Rules, and meet CEC Title 20 (California Energy Commission) efficiency standards. It shall be UL Listed, suitable for damp locations, and warranted for five years from date of manufacture.

**Performance Data**

SEL 30				
Mounting	Illumination	Single Luminaire	Multiple Luminaire	Additional Notes
		3' Path of Egress	3' Path of Egress	
7.5'	1FC Avg	38'	40'	100' Corridor, 8' wide, and 2' high with 80/50/20 reflectances
10'	1FC Avg	34'	38'	

SEL 70				
Mounting	Illumination	Single Luminaire	Multiple Luminaire	Additional Notes
		3' Path of Egress	3' Path of Egress	
7.5'	1FC Avg	73'	75'	100' Corridor, 8' wide, and 12' high with 80/50/20 reflectances
10'	1FC Avg	70'	75'	