

# COOPER LIGHTING - SURE-LITES®

## DESCRIPTION

The All Pro Series exit (AP60/70) is the most economical LED exit for general purpose applications. The durable, injection molded, thermoplastic material resists discoloration due to UV radiation and the energy efficient, low maintenance LED's provide bright illumination. All AP series exits offer universal configurations (single and double face) and have universal mounting capability (ceiling, wall, end).

Catalog #		Type
Project		
Comments		Date
Prepared by		

## SPECIFICATION FEATURES

### Electrical

- Dual Voltage Input 120/277 VAC, 60Hz
- Solid-state Voltage Limited charger (AP70)
- Brownout circuit (AP70) - Test Switch/Power Indicator Light (AP70)

### Battery (AP70)

- Sealed Nickel Cadmium
- Maintenance-free, Long-life
- Full recharge time, 24 hrs. (max.)

### Housing Construction

- All components are injection-molded, color stable, high impact thermoplastic material
- Designer white textured finish standard
- Components are of snap-fit

construction to facilitate under 5-minute installation

- Reinforcing ribs throughout to provide maximum strength
- Molded-in wireways facilitate internal wire routing and connections
- All components including battery and electronics are located inside the exit housing
- Snap-out or snap-in chevron directional indicators have full 3/4" stroke
- Universal exits can be field configured as single face or double face
- Snap-fit canopy with mounting screws included with all exits
- Exit can be ceiling, wall, or end mounted
- Universal J-box mounting pattern

### Lamp Data

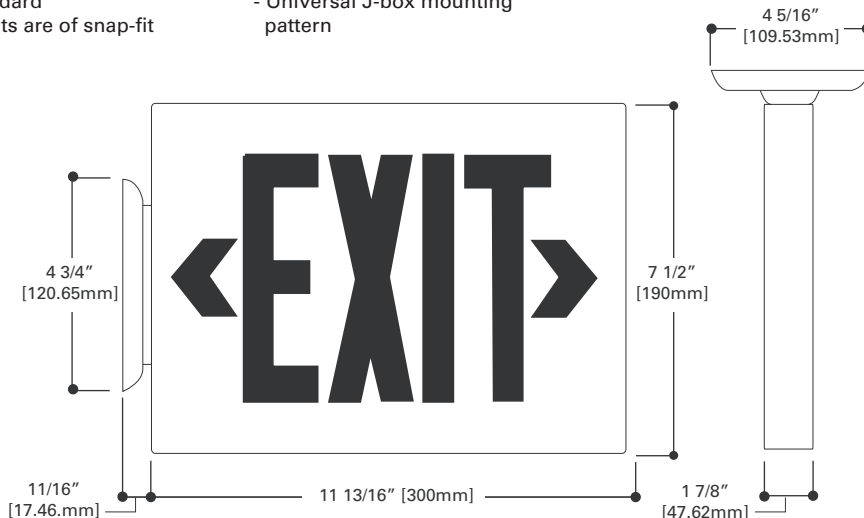
- AC LED: Long-life LED lamps provide uniform diffused illumination
- DC: LED DC lamps (Brighter in emergency mode, AP70)

### Code Compliance

- UL 924 Listed
- Damp Location
- Life Safety NFPA 101
- NEC/OSHA
- Most State and Local Codes

### Warranty

- Exit: 5-Year
- Battery: 15-Year, pro-rata (Nickel Cadmium, AP70)



## AP SERIES

THERMOPLASTIC EXIT

AC ONLY  
SELF POWERED  
EMERGENCY  
LED LAMPS  
EXIT LIGHTING

TOTALLY PREDICTABLE  
**RELIABILITY**

## ORDERING INFORMATION

<b>Family</b> AP6: AC only LED, All Pro Exit AP7: Self-Powered with LED, All Pro Exit	<b>Letter Colors</b> R: Red G: Green	<b>Voltage</b> _ = 120 / 277V
<b>Face Options</b> 0 = Universal	<b>Housing Finish</b> _ = White	<b>Accessories 2</b> Protective Housing VS: Polycarbonate Vandal Shield3 WG: Wire Guard4
<b>Battery</b> _ = Nickel Cadmium1		

Notes: 1 Nickel Cadmium for AP70 only. 2 Order separately. 3 Choose polycarbonate vandal shield desired from accessories sheet. 4 Choose size of wire guard from accessories sheet.

### ENERGY DATA

Maximum power consumption under all charge conditions:

120V = >.8  
277V = >.8

### ENERGY DATA

#### AC Only

**Sealed Nickel Cadmium Battery LED Exits - Red**  
Input Power:  
120V = 2.3W  
277V = 2.0W  
Input Current (Max.):  
120V = .02A  
277V = .01A  
Power Factor:  
120V = >.8  
277V = >.8

**LED Exits - Red**  
Input Power:  
120V = 2.0W  
277V = 2.0W  
Input Current (Max.):  
120V = .02A  
277V = .01A  
Power Factor:  
120V = >.8  
277V = >.8

**LED Exits - Green**  
Input Power:  
120V = 1.3W  
277V = 1.2W  
Input Current (Max.):  
120V = .02A  
277V = .01A  
Power Factor:  
120V = >.7  
277V = >.7

**LED Exits - Green**  
Input Power:  
120V = 1.3W  
277V = 1.2W  
Input Current (Max.):  
120V = .02A  
277V = .01A  
Power Factor:  
120V = >.7  
277V = >.7

**TECHNICAL DATA****Lamps**

Self-Powered LED versions of the All Pro Emergency Series Exits use energy efficient, long life LEDs to provide uniform diffuse illumination of the exit face. Both the red and green LEDs require no maintenance and consume a total of 3.0 watts. The low operating costs and zero maintenance requirement makes LED lamps the wisest choice for exit signs today. Emergency illumination is provided by LED lamps.

**Housing Construction**

Rugged, durable, injection molded thermoplastic materials are used throughout the All Pro Emergency Series Exits. All structural components are designed with reinforcing ribs to add additional rigidity and to maximize structural integrity. These materials are impact and scratch resistant, and they have been UV stabilized to resist discoloration due to age and ultraviolet radiation. All components are designed to be of snap-fit construction - no mechanical fasteners - to facilitate installation in under 5-minutes. Any components required for installation (wirenuts, wire leads, universal metal J-box bracket, etc.) are all included with each exit. The universal design of the All Pro Series Exits enables universal exits to be configured as single face or double face in the field. All Self-Powered All Pro Series Exits can be wall, ceiling, or end mounted; a rugged, snap-fit, low profile canopy with captive screws is included with every exit for ceiling and end mounting applications.

**Lens**

Lenses for Self-powered versions of the All Pro Series Exits are made from durable impact resistant thermoplastic. All exit faces are designed with full 3/4" stroke snap-out or snap-in chevron directional indicators to insure maximum visibility and compliance with the latest codes.

**Solid-State Charger (AP70)**

Supplied with a 120/277 VAC, voltage regulated solid-state charger. Immediately upon restoration of AC current after a power failure, the charger provides a high charge rate. The charge circuit reacts to the condition of the battery and regulates the charging process in order to maintain peak battery capacity and maximize battery life. Solid-state construction recharges the battery following a power failure in accordance with UL 924.

**Brownout Circuit (AP70)**

The brownout circuit on All Pro exits monitors the flow of AC current to the exit and activates the emergency lighting system when a predetermined reduction of AC power occurs. This dip in voltage will cause most ballasted fixtures to extinguish causing loss of normal lighting even though a total power failure has not occurred.

**Test Switch/Power Indicator Light (AP70)**

A test switch located on the side of the exit permits the activation of the emergency circuit for a complete operational systems check. The

Power Indicator Light provides visual assurance that the AC power is on.

**Sealed Nickel Cadmium Battery (AP70)**

All Pro Emergency sealed nickel cadmium batteries are maintenance free with a life expectancy of 15 years. The sealed rechargeable nickel cadmium battery offers high discharge rates and stable performance over a wide range of temperatures. The specially designed resealable vent automatically controls cell pressure, assuring safety and reliability. This battery is best suited for harsh ambient temperatures because the electrolyte is not active in the electrochemical process.

**Warranty**

The All Pro Series exit signs are backed by a firm (5) year warranty against defects in material and workmanship. In addition, the sealed nickel cadmium batteries carry a (15) year pro-rata warranty.