

# COOPER LIGHTING - SURE-LITES®

## DESCRIPTION

When AC power fails, the Sure-Lites Emergency Battery Pack (EBP) automatically switches to emergency mode. The EBP maintains illumination of one or two lamps for a minimum of 90 minutes. The product line is UL924 listed for field retrofit installation.

Catalog #		Type
Project		
Comments		Date
Prepared by		

## SPECIFICATION FEATURES

### Electronic

- Multi Voltage Input 120/240/277 VAC, 50/60Hz
- Sinusoidal AC output improving lamp longevity
- Isolated auxiliary relay with debounce technology provides compatibility with T5 ballasts
- Low-voltage disconnect to protect from lamp damage
- Capacitive coupled charging circuit
- Test Button/Indicator Light

### Construction

- Standard canister length approximately 9 inches
- Low profile height
- Terminal block connections
- Lead wires provided

### Battery

- Sealed Nickel Cadmium (EBP450X, EBP700X)
- Sealed Nickel Metal Hydride (EBP1400X)
- Maintenance-free, Long-life
- Full Recharge Time, 24 hours (max.)
- 20C to 55C operating temperature range

### Code Compliance

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

### Warranty

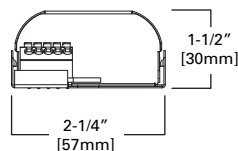
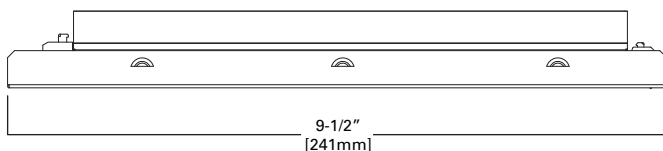
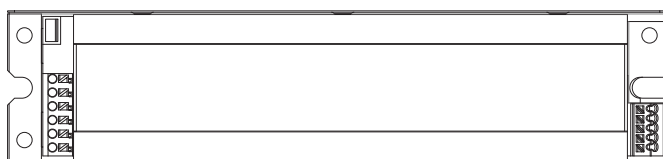
- 5-Year warranty



## EBP SERIES

EMERGENCY BATTERY PACK

EMERGENCY LIGHTING



## ORDERING INFORMATION

SAMPLE NUMBER: EBP700X

### Model

EBP450X = One Lamp Operation = 350 - 450 Lumens  
EBP700X = One or Two Lamp Operation = 600 - 700 Lumens  
EBP1400X = One or Two Lamp Operation = 1300 - 1400 Lumens

## ENERGY DATA

Input Power

Model No. 120V

EBP450X = 3.1W

EBP700X = 3.4W

EBP1400X = 5.0W

## AVERAGE LUMEN RATINGS

EBP450X	
Lamp	1 Lamp
F17 T8	390
F28 T8	520
F32 T8	540
28W T5	440
F15 T12	na
F20 T12	na
F40 T12	420
40W Long Compact	450
40W Circline	310

EBP700X		
Lamp	1 Lamp	2 Lamps
F17 T8	510	630
F28 T8	750	430
F32 T8	790	450
8' T8 (FO96) (59W)	850	
F20 T12	250	400
F40 T12	600	430
8' T12 (F96T12) (60W)	700	
40W Long Compact	620	
50W Long Compact	440	
55W Long Compact	470	
20W Circline	170	
22W Circline T9	210	
22W Circline T5	300	
40W Circline T8	500	
40W Circline T5	500	
55W Circline T5	560	

EBP1400X		
Lamp	1 Lamp	2 Lamp
F16/17 T8	740	740
F25 T8	1000	1000
F28 T8	1250	1250
F32 T8	1440	1450
8' T8 (FO96) (59W)	1435	1435
F20 T12	470	690
F39 T12	1140	1140
F40 T12	1150	1150
F48 T12	1150	1150
8' T12 (F96T12) (60W)	1400	1400
14W T5	600	610
21W T5	1275	1275
24W T5	875	875
28W T5	1450	1450
39W T5	1050	1050
54W T5	930	930
20W Circline	260	265
22W Circline T9	330	530
22W Circline T5	890	990
40W Circline T8	1210	1210
40W Circline T5	1200	-
36W Long Compact	935	1240
40W Long Compact	1110	1280
50W Long Compact	850	980
55W Long Compact	925	-

## TECHNICAL DATA

**Solid-State Charger**

Unit is supplied with a capacitive coupled charging circuit which automatically detects the voltage level of the AC input (120/240/277) and adjust accordingly.

**Sinusoidal AC Output**

The EBP products are designed to provide a sinusoidal current output which delivers better lamp longevity, as it provides a cleaner current to the lamps versus using pulse DC or high-current crest factor outputs. Provides compatibility with low mercury lamps, including T5 lamps. Sinusoidal AC output also provides more even illumination of the entire length of fluorescent lamp compared to pulse DC models.

**Isolated Auxiliary Relay**

The isolated auxiliary relay provides a smoother transition from AC power to emergency power and back to AC power when it is restored, which allows the EBP product to be compatible with more ballast types (including T5 with open-cathode end-of-lamp-life detection).

**Automatic Switching**

The switching circuitry is designed to detect an absence of AC power and automatically switch into emergency operation. Upon restoration of AC power the lamps will automatically switch back to operating from the AC ballast.

**Test Button/Indicator Light**

Simulates interruption of AC power and illuminates the fluorescent lamp(s). LED charge indicator light indicates battery charger operation.

**Construction and Components**

The canister has a reduced profile across all EBP product types which are now all approximately 9 inches in length, enables more mounting flexibility including most 2'x2' fixtures. "Wire bundle covers" are included for external mounting.

**Terminal Blocks**

The terminal block design provides easier, faster and better connections versus the old industry standard as they enable a more efficient wire usage and reduce "cross-talk" potential across a bundle of wires.

**Battery**

High temperature nickel cadmium battery pack is standard on all EBP450X and EBP700X products. High temperature nickel metal hydride battery pack is standard on all EBP1400X products.

**Warranty**

All Sure-Lites EBP products are backed by a firm five-year warranty against defects in material and workmanship (excluding lamps).