

## 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.

# Sure-Lites

Catalog #		Type
Project		
Comments		Date
Prepared by		

## SPECIFICATION FEATURES

### Electronic

- EBP450/EBP700/EBP1400: 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 protects the lamp and battery
- Capacitive coupled charging circuit
- Test Button/Indicator Light included
- Single wire multi voltage input simplifies installation

### Construction

- Rugged steel canister
- Low profile height
- Terminal block connections for easy installation
- Lead wires provided

### Battery

- Sealed Nickel Cadmium
- Maintenance-free, Long-life
- Full Recharge Time, 24 hours (max.) at 60Hz
- From 20°C to 55°C operating temperature range

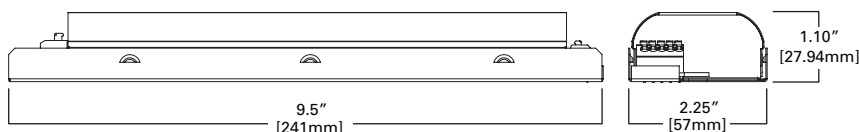
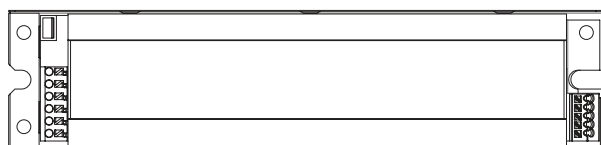
### Code Compliance

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

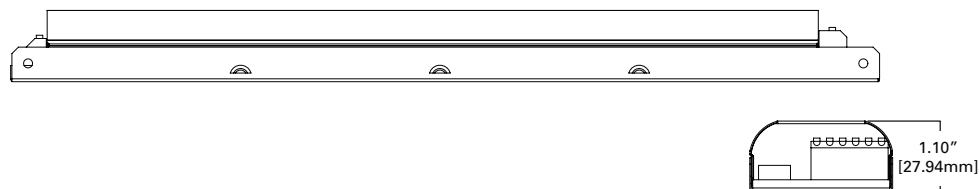
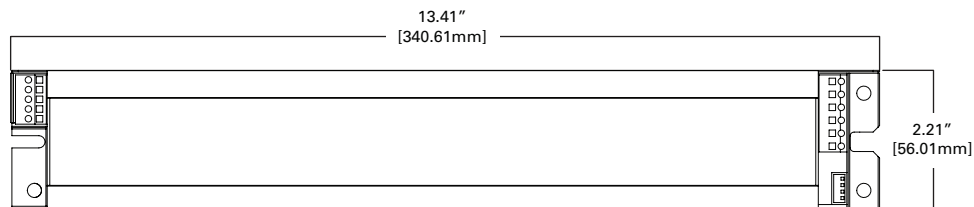
### Warranty

- 5-Year warranty

### EBP450X / EBP700X



### EBP1400NCX



EBP450X / EBP700X



EBP1400NCX

## EBP SERIES FLUORESCENT

EMERGENCY BATTERY PACK  
EMERGENCY LIGHTING

### ENERGY DATA

Input Power

Model No. 120V

EBP450X = 3.1W

EBP700X = 3.4W

EBP1400NCX = 5.0W

## ORDERING INFORMATION

SAMPLE NUMBER: EBP700X

## Series

EBP450X  
EBP700X  
EBP1400NCX

## AVERAGE LUMEN RATINGS

EBP450X		EBP700X			EBP1400NCX			
Lamp	1 Lamp	Lamp	1 Lamp	2 Lamps	Lamp	1 Lamp	Lamp	1 Lamp
F17 T8	390	F17 T8	510	630	F15 T8	460	13W T5	630
F28 T8	520	F28 T8	750	430	F17 T8	720	14W T5	900
F32 T8	540	F32 T8	790	450	F28 T8	1190	21W T5	1380
28W T5	440	8' T8 (F096) (59W)	850		F32 T8	1390	25W T5	1350
F15 T12	na	F20 T12	250	400	F59 T8	460	28W T5	850
F20 T12	na	F40 T12	600	430	F86 T8	1170	35W T5	940
F40 T12	420	8' T12 (F96T12) (60W)	700		F20 T12	480	24W T5HO	870
40W Long Compact	450	40W Long Compact	620		F34 T12	890	39W T5HO	1250
40W Circline	310	50W Long Compact	440		F40 T12	1300	54W T5HO	810
		55W Long Compact	470		F55 T12	740	80W T5HO	910
		20W Circline	170		F60 T12	1190	22W Circline T5	840
		22W Circline T9	210		F75 T12	890	40W Circline T5	1280
		22W Circline T5	300		F75 T12	590	55W Circline T5	1130
		40W Circline T8	500		F95 T12	750	F32 T8U	1250
		40W Circline T5	500		F35 T12HO	340	18W Biax	620
		55W Circline T5	560		F95 T12HO	820	39W Biax	920
					F110 T12HO	920	40W Biax	1190
					F215 T12VHO	800	55W Biax	990

## TECHNICAL DATA

**Single Wire Multi Voltage Input**

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

**Sinusoidal AC Output**

Sinusoidal AC output provides cleaner output to the lamps which improves lamp life, provides compatibility with T5 lamps, and creates more even illumination as compared to pulse DC designs.

**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 ballasts with open cathode end of life detection.

**Automatic Switching**

The switching circuitry is designed to detect an absence of AC power and automatically transitions to 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) from the battery. LED charge light indicates the battery is charging.

**Construction and Components**

The canister has a reduced profile across all EBP product types which 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 as compared to traditional designs.

**Battery**

High temperature nickel cadmium battery pack is standard.

**Warranty**

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

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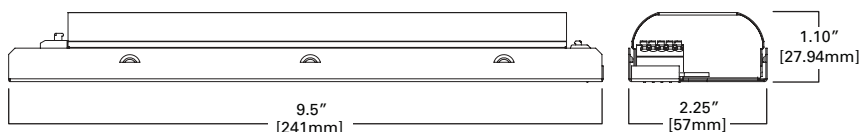
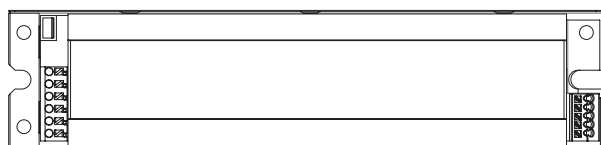
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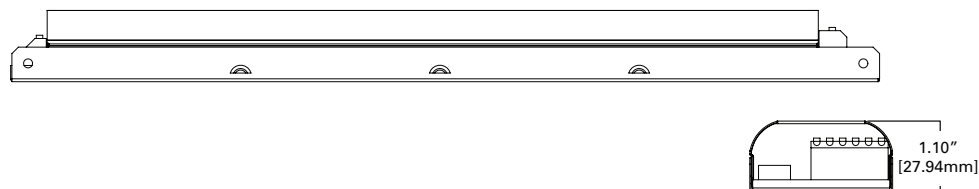
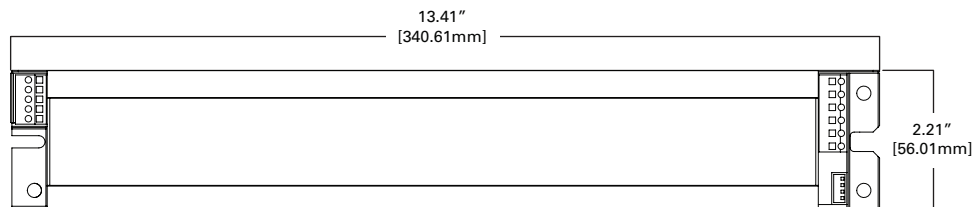
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### EBP450X / EBP700X



### EBP1400NCX



EBP450X / EBP700X



EBP1400NCX

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