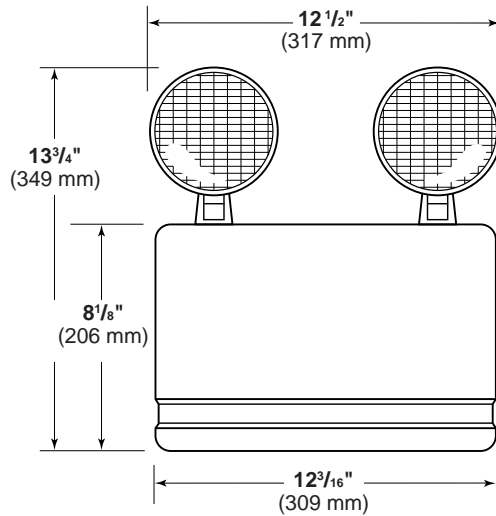


# Presc•lite

Life Safety Products

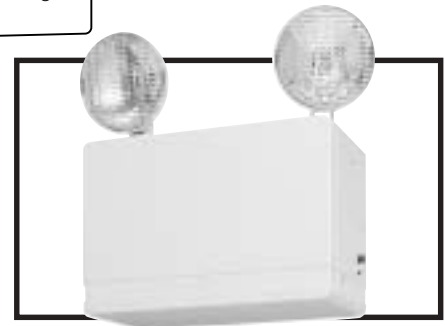
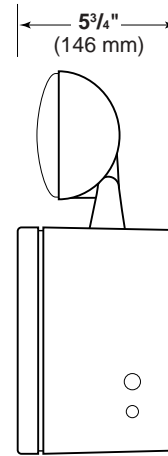
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# ESB Series

## 50W, 100W

### Emergency Lighting Unit



The ESB series provides up to 100 output watts with the capability of powering up to eleven heads. The unobtrusive housing features softly rounded corners and is constructed of rugged high impact thermoplastic.

## Standard Features

- Maintenance-free, lead-acid battery
- Dual voltage – 120/277VAC
- Automatic low voltage disconnect
- Injection molded, high impact, UV stabilized thermoplastic
- Standard white housing, optional black available
- Optional **CVS** self-testing electronics
- Thermally compensated charger
- Regulated charge voltage
- T-5 incandescent lamps
- Reverse polarity protection
- Filtered charger output
- Short circuit protection
- Brownout protection
- AC lockout
- Test switch and AC-On light
- Capable of powering remote lampheads
- Temperature range: 20°C to 30°C (68°F to 86°F)
- UL924 Listed

## Model Numbers

**ESB7** (6V, 50W)  
**ESB7-12V** (12V, 50W)  
**ESB11** (12V, 100W)

## Options (Add suffix to catalog number)

**CVS** Continuous Verification System<sup>(1)(4)</sup>  
**-BL** Black Housing  
**-EV2** Voltmeter<sup>(3)</sup>  
**-EAM2** Ammeter for ESB7 and ESB7-12V<sup>(3)</sup>  
**-EAM3** Ammeter for ESB11<sup>(3)</sup>  
**-ECS** Auxiliary 2-conductor AC line cord (120V)  
**-NB** Nicad battery<sup>(4)</sup>  
**-T** Halogen lamp option<sup>(2)</sup>  
**-NH** No lampheads

(1) Add "CVS" self-test option suffix immediately after base model number.  
Example: ESB11CVS

(2) Specify voltage and wattage when ordering.

(3) Choice of EV2 or EAM, not both.

(4) Choice of NB or CVS, not both.

## Accessories (Order Separately)

**41G** Wire guard (top mounted lampheads only)  
**PELH** Matching remote head - single<sup>(5)</sup>  
**PELHD** Matching remote head - twin<sup>(5)</sup>

(5) Supplied with mounting plate.

Specify voltage and wattage when ordering.

Example: PELHD1212

See Remote Fixtures data sheet 0601888.



Hubbell Lighting, Inc.

## Housing

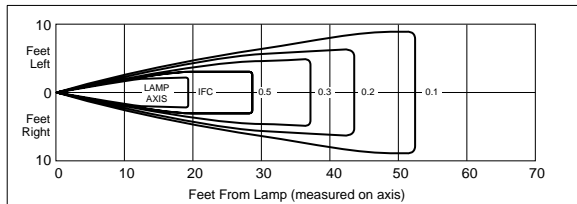
Compact size. Molded from high impact mar-resistant thermoplastic. The unit has a textured white finish. A universal mounting pattern and keyhole slots are provided on the backplate to make installation simple. Knockouts on the top and side are provided for conduit feed.

## Light Source

The ESB7 is furnished standard with two 6 volt, 7.2 watt T-5 lamps. The ESB7-12V and ESB11 are furnished standard with two 12 volt, 9 watt T-5 lamps. Fully directional, injection molded lampheads will remain in place once they are aimed in desired direction.

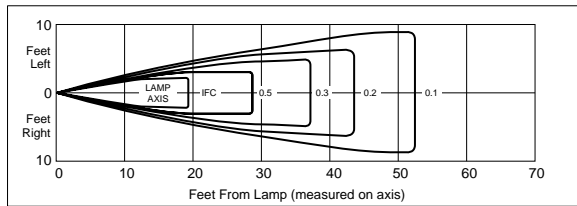
### 6 Volt, 7.2 Watt T-5 Lamp

#### Horizontal Distribution



### 12 Volt, 9 Watt T-5 Lamp

#### Horizontal Distribution



## Optional Lamps

To order non-standard lamps, suffix catalog number. Example: ESB7-12V-T1212

## Battery

A maintenance free lead-acid battery (6 volt for ESB7 and 12 volt for ESB7-12V and ESB11) is provided. The battery is completely sealed and it is never necessary to add water.

## Electronics

A solid-state charger is standard. Charger voltage is regulated to  $\pm 1\%$  of nominal system voltage. The charger is current limited, temperature compensated, and protected against short circuit and reverse polarity conditions. Transfer to emergency operation is completely automatic upon failure of utility AC voltage. A brownout circuit is provided and a low voltage disconnect circuit prevents deep discharge damage to the unit battery during prolonged power outages. An AC lock-out prevents battery discharge before the unit is energized with AC power. Full battery recharge occurs in compliance with UL 924 specifications. A universal 120/277VAC, 60Hz input transformer, test switch and long life AC pilot light are all provided standard.

## Limited Warranty

Description	Warranty In Years		
	Unit Full	Battery	
		Full	Pro-Rata
ESB Series	3	1	5
ESB with NiCad battery option	3	1	9
ESB with CVS option	5	2	4

Batteries must be placed in service or recharged within nine (9) months from factory shipment date. This warranty only applies when the product is used as intended. Any abuse or misuse contrary to normal installation or operation shall void this warranty.

## Suggested Specifications

Self contained emergency lighting unit shall be Prescolite Life Safety Products model (ESB7)(ESB7-12V)(ESB11). The unit shall supply the rated load for a minimum of 1½ hours to not less than 87½% of rated battery voltage. The unit shall be rated 120/277VAC, 60 Hz and be listed with Underwriters Laboratories to Standard 924. The emergency power source shall be a fully rechargeable maintenance free lead-acid. The housing shall be constructed of high impact thermoplastic. Electronics shall include a solid state charger with regulated charge voltage, current limitation, temperature compensation and short circuit protection. A low voltage disconnect and AC lockout will also be included in the electronics. Illumination shall be provided by two (7.2)(9) watt sealed beam type incandescent lamps housed in fully directional, high impact thermoplastic lamphead assemblies.

## Product Selector Guide

Base Catalog Number	Electrical									
	Output Volts	Output Watts				AC Input†			Standard Lamp	Remote Capability
		1.5 Hours	2 Hours	3 Hours	4 Hours	Volts	Amps	Watts		
ESB7	6	50	38	25	20	120	.170 (.166)	20.4 (19.9)	7.2W	Yes
						277	.076 (.073)	20.4 (20.2)		
ESB7-12V	12	50	38	25	20	120	.112 (.250)	13.4 (30.0)	9.0W	Yes
						277	.052 (.108)	14.4 (29.9)		
ESB11	12	100	76	54	44	120	.322 (.299)	38.6 (35.88)	9.0W	Yes
						277	.138 (.134)	28.2 (37.70)		

† AC input rating with parentheses ( ) are for NiCad units.