



LP Series

6 or 12 Volt Thermoplastic Emergency Lighting Unit

Evaluated to UL 924 Standard

Sealed Maintenance-Free Batteries

- Nickel-Cadmium
- Long Life Lead
- Lead Calcium



General Information

The LP Series is offered where an attractive conventional emergency lighting unit is required. This series offers a wide selection of battery capacities for use when large numbers of remote fixtures are desired.

Standard Features

Reliability

The LP Series has a 3-year full warranty. Each unit is fully computer tested.

Unit Data

Housing: high impact thermoplastic off-white cabinet with a removable front panel, keyhole mounting slots, 1/2" knockouts and universal mounting cluster are provided for ease of installation. Up to three (3) lighting heads may be mounted on top of unit.

PulsePlus Charger

PulsePlus circuitry offers 120/277 volt input standard (other inputs available), fused output circuit, diagnostic indicator lights, temperature compensation, sealed relay, low voltage battery disconnect, brownout protection and lockout (automatic battery connect).

Optional Features

Description

Add Suffix

Ammeter or voltmeter (choose only one)	-A or -V
Lamp disconnect switch	-K
Time delay (specify 5, 10 or 15 minutes)	-D1, D2, D3
Cord set - 120 volt	-C*
Cord set - special voltage (specify plug type)	-E*
EF9 lamp heads (2 9-watt heads)	9
EF10 lamp heads	10
EF150 decorative heads (white)	150

*Standard cord is 3ft. (custom lengths available).

Accessories (order as a separate item)

Wire Guard	WG2
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Electrical

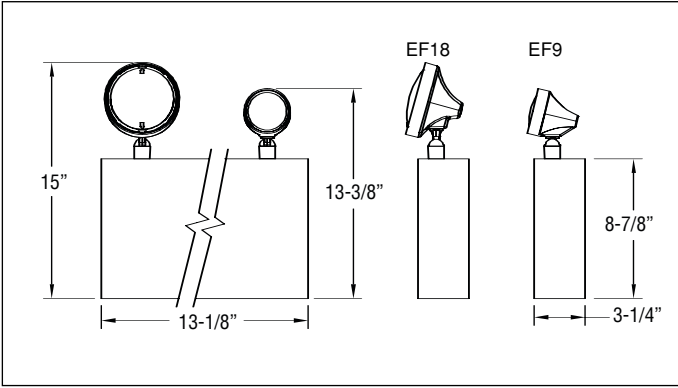
Power Requirements: 120/277 Vac, 60 Hz., 0.3/0.15 A (other inputs available) **Output:** 6 or 12 volt, fused output circuit.

Transfer: dust-tight, sealed relay automatically and instantly energizes lamp load upon failure of AC supply. **LVD:** low voltage battery disconnect circuit automatically shuts down lamp load and circuitry when battery reaches 87 1/2% discharge, preventing deep discharge and permanent damage to the battery. **Lockout:** labor saving electronic circuit automatically connects battery when AC circuit is activated. **Brownout:** close tolerance electronic circuit activates emergency unit when utility power dips below 80-85% of nominal voltage.

Charger: the PulsePlus charging circuit utilizes an integrated circuit which samples the battery in relation to its temperature, state of charge and input voltage fluctuations. The charger is current-limited, temperature compensated, short-circuit proof and reverse polarity protected. Charger regulation +/- 1%. The equipment is capable of full recharge in compliance with Underwriters Laboratories 924 specifications. **Transformer:** 120/277 volt. **Controls:** test switch, dual diagnostic LED indicator lights - hi-charge and AC pilot.

Outline and Dimensions

Dimensions are approximate and subject to change.



*Unit Rating Chart

Furnished standard with two 9 watt High Intensity Incandescent lamps.

UNIT EQUIPMENT - NO REMOTE CAPABILITY						
Sealed Maintenance-Free Battery Types	D.C. Voltage	Model Number	*Watts to 87 1/2% of rated battery voltage			
			1 1/2 hrs.	2 hrs.	3 hrs.	4 hrs.
Nickel-Cadmium	6	LPC18-2	18	12	9	6
Long Life Lead	6	LPE18-2	18	11	8	6
Lead-Calcium	6	LPM18-2	18	12	10	7
UNIT EQUIPMENT - WITH REMOTE CAPABILITY						
Nickel-Cadmium	6	LPC25-2	25	18	12	9
	12	12LPC36-2	36	21	15	12
	12	12LPC50-2	50	36	25	18
Long Life Lead	6	LPE27-2	27	19	14	10
	6	LPE36-2	36	24	17	13
	6	LPE50-2	50	36	26	20
	12	12LPE36-2	36	24	17	13
	12	12LPE54-2	54	37	28	21
Lead-Calcium	6	LPM27-2	27	18	14	10
	6	LPM36-2	36	25	20	14
	6	LPM54-2	54	37	28	21
	12	12LPM36-2	36	25	20	14
	12	12LPM54-2	54	37	28	21

*National Electrical Code Specification

How To Order (example)

For standard units without options only order Series, Battery, Watts, Heads

Options are added to units by listing suffix at end of model #

LP	C	18	-	2	ZD	-	D1
Series	Battery Type	Watts	No. of Heads	Lamp Option	Option		Option
	Nickel-Cadmium	for 90 min.	on unit	6V 9W HIT**	(5 min. time delay)		

**See lamp data sheet in lighting fixture section for other lamp wattages if desired.

Suggested Specification

Supply and install **EMERGI-LITE Series LPC** _____, **LPE** _____, **LPM** _____ in 6 or 12 volt, double heads, with electrically compatible remote fixtures or exit signs as indicated on the plans.

The emergency lighting unit shall be architecturally designed, UL Listed, self-contained fixture including sealed, maintenance-free battery.

TYPE LPC to be supplied with Nickel-Cadmium Battery.

TYPE LPE to be supplied with Long Life Pure Lead Battery.

TYPE LPM to be supplied with Lead Calcium Battery.

The unit shall supply the rated load for a minimum of 1 1/2" hours or to 87 1/2% of rated battery voltage. The unit shall be rated 120/277, 60 Hz and be UL924 Listed.

The unit charger shall utilize an integrated circuit which samples the battery in relation to its temperature, state of charge and input voltage fluctuations. The charger shall be current-limited, temperature compensated, short-circuit protected and reverse polarity protected. The unit shall be furnished with an electronic lockout circuit which will connect the battery when the AC circuit is activated, and an electronic brownout circuit which will activate the unit when utility power dips below 80-85% of nominal voltage. A low voltage battery disconnect circuit shall be provided and will disconnect the load and circuitry from the battery when it reaches 87 1/2% of its nominal voltage. The unit shall be capable of full recharge in compliance with UL924 specifications. The unit shall be furnished with a sealed, dust-tight relay, a test switch and dual diagnostic LED indicator lights (hi-charge and AC pilot).

The entire cabinet shall be constructed of high impact thermoplastic with an off-white finish. A removable front panel shall be furnished which provides full access for ease of installation and servicing. The cabinets shall have a universal mounting cluster and are furnished with 1/2" conduit knock-outs, rear keyhole mounting slots and provisions for mounting up to 3 heads on cabinet. Units will be furnished with two EF18 lighting heads constructed of impact resistant, flame retardant polymeric material complete with 9 watt High Intensity Incandescent lamps. Fused output terminals shall be provided for ease of remote lamp connections.

Every **LP Series** shall be fully warranted for three years, subject to proper installation and maintenance.

Unit shall be **EMERGI-LITE catalog number** _____.

*Unit Warranty

Entire unit (excluding lamps and fuses) carries a 3-year Full Warranty.

*Battery Warranty

Unit batteries are warranted as follows:

Sealed Nickel-Cadmium: LPC – 10-year life expectancy, 3-year Full Warranty, plus 5-year pro rata warranty.

Sealed Long Life Lead: LPE – 12-year life expectancy, 5-year Full Warranty, plus 5-year pro rata warranty.

Sealed Lead Calcium: LPM – 8-year life expectancy, 3-year Full Warranty, plus 3-year pro rata warranty.

*Subject to proper installation and maintenance.