

Suggested Specification

Supply and install EMERGI-LITE Series **LSC** _____, **LSE** _____, **LSM** _____ or **LC** _____ in 6 or 12 volt, single or double heads, with electrically compatible remote fixtures or exit signs as indicated on the plans.

The emergency lighting unit shall be an architecturally designed, self-contained fixture including sealed, maintenance-free battery. TYPE LSC to be supplied with Long Life Nickel-Cadmium battery. TYPE LSE to be supplied with Long Life Pure Lead battery. TYPE LSM to be supplied with Lead Calcium battery. TYPE LC to be supplied with Lead Calcium (Immobilized Electrolyte) battery.

The unit shall supply the rated load for a minimum of 90 minutes or to 871/2% of rated battery voltage. The unit shall be rated 120/277Vac, 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 871/2% of its nominal voltage. The unit shall be capable of full recharge in compliance with UL924 specifications. The unit shall be furnished with sealed dust-tight relay, a test switch and dual diagnostic LED indicator lights (hi-charge and AC pilot). The cabinet shall be constructed of steel (see dimension chart for gauge) in off-white baked enamel color. A removable front panel shall be furnished to provide full access for ease of installation and servicing. A and B cabinet units shall have a universal mounting cluster. All cabinets shall be furnished with 1/2" conduit knock-out, rear keyhole mounting slots (bracket or shelf available as an option) and provisions for mounting up to 3 heads on cabinet. Unit will be furnished with two EF18 lighting heads constructed of impact resistant, flame retardant thermoplastic material complete with 9 watt high intensity incandescent lamps. Fused output terminals shall be provided for ease of remote lamp connection. Every **LS** and **LC Series** unit 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: 12LSC – 10-year life expectancy, 5-year Full Warranty, plus 5-year pro rata warranty.

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

Sealed Lead Calcium (Free Electrolyte): 12LC – 12-year life expectancy, 5-year Full Warranty, plus 5-year pro rata warranty.

Sealed Lead Calcium: 12LSM – 8-year life expectancy, 3-year Full Warranty, plus 3-year pro rata warranty.

*Subject to proper installation and maintenance.

How To Order

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

Example: LSE18-2IA-V

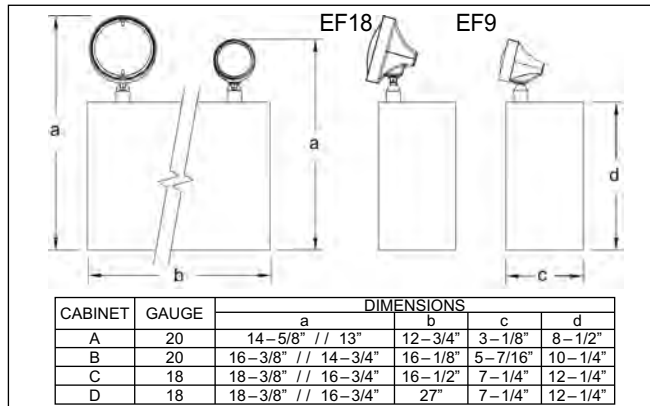
Options are added to units by listing suffix at end of model #

Series	Battery Type	Watts for 90 min.	Heads on unit	Lamp Option*	Option
LS	C= Nickel-Cadmium E= Long Life Lead M= Lead Calcium	18 36 *See Unit Rating Chart for other options.	2= 2 heads	IA= 6V 9W HIT *See lamp data sheet for other lamp wattages.	V= Voltmeter

Includes Standard Lamp

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 871/2% of rated battery voltage				# of Load Fuses	Cab. Size	
			1½ hrs.	2 hrs.	3 hrs.	4 hrs.			
Nickel-Cadmium Δ	6	LSC18-2	18	12	9	6	1	A	
Long Life Lead Δ	6	LSE18-2	18	11	8	6	1	A	
Lead-Calcium Δ	6	LSM18-2	18	12	10	7	1	A	
UNIT EQUIPMENT - WITH REMOTE CAPABILITY									
Nickel-Cadmium Δ	6	LSC25-2	25	18	9	-	1	A	
	12	12LSC36-2	36	21	15	12	1	A	
	12	12LSC50-2	50	36	25	18	1	A	
Lead Calcium (Immobilized Electrolyte) Δ	6	LC87-2	87	70	41	24	2	B	
	6	LC100-2	100	77	47	24	2	C	
	6	LC175-2	175	140	82	48	2	C	
	6	LC200-2	200	168	96	48	2	C	
Lead-Calcium Δ	6	LSM27-2	27	18	10	6	1	A	
	6	LSM36-2	36	25	14	7	1	A	
	6	LSM54-2	54	37	21	12	1	A	
	6	LSM81-2	81	54	36	18	2	B	
	6	LSM110-2	110	72	40	24	2	B	
	6	LSM162-2	162	108	60	36	2	C	
	6	LSM200-2	200	144	80	48	2	C	
	12	12LSM36-2	36	25	14	7	1	A	
	12	12LSM54-2	54	37	21	12	1	A	
	12	12LSM110-2	110	72	40	24	2	B	
	12	12LSM162-2	162	108	60	36	2	C	
	12	12LSM220-2	220	144	80	48	2	C	
Long Life Lead Δ	6	LSE27-2	27	19	10	5	1	A	
	6	LSE36-2	36	24	13	7	1	A	
	6	LSE54-2	54	36	20	11	1	A	
	6	LSE80-2	80	65	35	19	2	B	
	6	LSE110-2	110	74	43	21	2	B	
	6	LSE160-2	160	130	70	38	2	C	
	12	12LSE36-2	36	24	13	7	1	A	
	12	12LSE54-2	54	37	21	10	2	A	
	12	12LSE72-2	72	48	26	14	2	B	
	12	12LSE110-2	110	74	43	21	2	B	
	12	12LSE160-2	160	130	70	38	2	C	
	Lead Calcium (Immobilized electrolyte) Δ	12	12LC150-2	150	120	66	36	2	C
12		12LC175-2	175	140	85	48	2	C	
12		12LC200-2	200	168	96	48	2	C	
12		12LC300-2	300	240	132	72	2	D	
12		12LC350-2	350	280	170	96	2	C	
	12	12LC400-2	400	336	192	95	2	D	

*National Electrical Code Specification

□ = New York City Approved when using the -NYC option
Δ = Advanced Diagnostics Available

EMERGI-LITE

www.emergi-lite.com

Thomas & Betts

LS, LSE & LC Series

How To Order - Full Version

Example: LSE18-2IA-V

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

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

Series	Volt/Capacity/Batt Type	# of heads	Lamp Head Style	Lamp Wattage	Option	A.C. Voltage
LS	C18 = 6V - 18W Nicad C25 = 6V - 25W Nicad E18 = 6V - 18W Pure Lead E27 = 6V - 27W Pure Lead E36 = 6V - 36W Pure Lead E50 = 6V - 50W Pure Lead E80 = 6V - 80W Pure Lead E110 = 6V - 110W Pure Lead E160 = 6V - 160W Pure Lead M18 = 6V - 18W Lead Acide M27 = 6V - 27W Lead Acide M36 = 6V - 36W Lead Acide M54 = 6V - 54W Lead Acide M81 = 6V - 81W Lead Acide M110 = 6V - 110W Lead Acide M162 = 6V - 162W Lead Acide M200 = 6V - 200W Lead Acide	Blank = No head -1 = 1 head -2 = 2 heads -3 = 3 heads	Blank = EF18 (par 36 plastic) 28 = EF28 (par 36 Metal) 9 = EF9 mini plastic 10 = EF10 Mini plastic MR16 32 = EF32 Cylinder lamp heads 150 = EF150 MR16 lamp heads NOTE: See remote fixture section for max wattage available	(HA to HZ) = Halogen Bi-pin (IA to IZ) = Inc. DC-Bayonet (UA to UZ)** = Inc. Sld-Beam (XA to XZ)** = Halogen Sld-Beam (ZA to ZZ) = Inc. Wedge (MA to MZ)* = Halogen MR16 * Available with EFL3 & DR130 Only ** Available with EFL645 Only NOTE: See lamp data sheet for voltage/wattage details	Blank = no option -A = Ampmeter -AD = advanced diagnostics -ADNA = Diagnostics Non-audible -CBKT = inverted pendant mounting -CW = cold weather -CP = Cord and Plug 120V -FM = Front Mounted lampheads -PPD = Pulse plus diagnostic -SST = Solid State Transfer -TD** = Time delay circuit -V = Voltmeter -XP = Flexible cord with 120 or 277 Vac plug -KDS = Customer Special Identification -DSC = COSTCO "I" Beam mounting -CBKT = COSTCO Inverted pendant mounting -NYC = New York City Sld beam 12W lamps ** Available with AD or ADNA Option	-Blank = 120/277vac input -1 = 120vac input -2 = 277vac input -3 = 347vac input (CSA Only)
	12LS C36 = 12V - 36W Nicad C50 = 12V - 50W Nicad E36 = 12V - 36W Pure Lead E54 = 12V - 54W Pure Lead E72 = 12V - 72W Pure Lead E110 = 12V - 110W Pure Lead E160 = 12V - 160W Pure Lead E320 = 12V - 320W Pure Lead M36 = 12V - 36W Lead Acide M54 = 12V - 54W Lead Acide M105 = 12V - 105W Lead Acide M110 = 12V - 110W Lead Acide M162 = 12V - 162W Lead Acide M220 = 12V - 220W Lead Acide					