

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

LM Series

HIGH CAPACITY EMERGENCY LIGHT

FEATURES

- LM2-03L, LM33-03L and LM33I-03L include 3W LED lamp-heads
- White, corrosion-resistant metal housing and front-loading cover
- Choice of lead-calcium or nickel-cadmium maintenance-free batteries
- Capacities up to 130 watts
- Lampheads may be top or side mounted
- Low-voltage battery disconnect



RELATED PRODUCTS

Ø [Spectron® Self-test/Self-Diagnostic specification sheet](#)



SPECIFICATIONS

APPLICATION

- The LM provides emergency lighting for industrial and commercial applications
- The LM offers high capacity for higher lamp wattages and remote capability
- Offered with 6 and 12 VDC operation and 15 - 130 watts of capacity and multiple optional lamp wattages
- The steel housing provides strength and durability.

CONSTRUCTION

- LM has two housing sizes
- Size 1 covers housing capacity of 15 - 40 watts and has 20 gauge corrosion-resistant steel
- Size 2 covers housing capacity of 66 - 130 watts and has 18 gauge corrosion-resistant steel
- Standard lamp-heads in injection molded flame retardant, UV stabilized thermoplastic
- Aluminum lamp-heads offered as optional
- Housing and lamp-heads in white color

INSTALLATION

- Mount through universal knock-out pattern to standard electrical boxes up to 4" square
- Also mounts to wall surface through keyhole mounting slots
- Wiring terminals and fused distribution board located inside of housing for remote head wiring
- Pre-stripped transformer leads provided

ILLUMINATION

- LM2 provided with 5.4 watt lamps, all other units with 7.2 watt lamps as standard
- The LED -03L option offers a 3 watt high performance LED lamp with specific models

COMPLIANCES

- UL listed to UL924 Standard
- UL Damp Location listed (designated models only)

WARRANTY

- **Fixture:** 3 Years Full, 5 Years Full with Spectron
- **Battery:**
 - Lead-Acid Models - 2 Years Full, 3 Years Pro Rata
 - Ni-Cad Models - 2 Years Full, 8 Years Pro Rata
- See [HLI Standard Warranty](#) for additional information

KEY DATA	
Lumens per head	248
Wattage	4
Efficacy Range (LPW)	135.5
Rated LED Lifecycle (Hours)	< 100,000

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ORDERING GUIDE

Example: LM2

CATALOG #	
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LM												
Model		Capacity		Battery Type		Output Voltage		RatingZ		Self Diagnostics		
LM	High Capacity Emergency Light	2	10.8 Watts	Blank	Lead Calcium	Blank	6 Volt	Blank	None	Blank	None	
		15	15 Watts**	N	Nickel Cadmium*	12V	12 Volt ⁶	D	Damp	I	Spectron® Self-test/ Self-diagnostic Electronics ^{1,3,4}	
		16	16 Watts	* Capacity wattage may change depending upon option								
		28	28 Watt*									
		30	30 Watt**									
		33	33 Watt									
		34	34 Watt*									
		40	40 Watt									
		50	50 Watt**									
		56	56 Watt*									
		66	66 Watt									
		68	68 Watt*									
		80	80 Watt									
		100	100 Watt**									
		112	112 Watt*									
		130	130Watt									
		* Damp Models Only ** Ni-Cad Models Only										

Options	
V	Voltmeter
3	3 Lampheads ^{1,2}
4	4 Lampheads ^{12,5}
0	0 Lampheads ^{12,3}
A31	Aux 3-Conductor Cord - 120 Volt
A32	Aux 3-Conductor Cord-277 volt
03L	3W LED lamp-heads ⁷
Optional Lamps	
SRHSW0608	6V, 8W Halogen
SRHSW0612	6V, 12W Halogen
SRHSW0618	6V, 18W Incandescent
SRHSW0620	6V, 20W Halogen
SRHSW0625	6V, 25W Incandescent
SRHSW1208	12V, 8W Halogen
SRHSW1212	12V, 12W Halogen
SRHSW1218	12V, 25W Incandescent
SRHSW1235	12V, 35W Incandescent
To order metal lamp heads, replace SRH with AHD. 50W is available with metal heads only.	
To order two optional, non-standard lamps on the fixture, suffix catalog number. Example: LM100-SRHSW0612	

Notes:

- 1 Not available with LM2 model
- 2 Not available with LM15N or LM16 models
- 3 Note: Spectron® models with over 80 watts of capacity require a minimum load of 35 watts for accurate lamp failure indications
- 4 Spectron not available with Nickel-Cadmium battery models
- 5 Not available with LM28D model
- 6 Not available with LM2, LM15, LM16, LM28, LM30 and LM33 models
- 7 03L lamps only available with LM2, LM33 and LM33I stocked models with no options

Accessories (Order Separately)

40G	Wire Guard
SRHSW	Single Matching Remote Head (white)
SRHDW	Twin Matching Remote Head (white)
OCR-03L	Outdoor LED Remote Heads
CPR-03L	Indoor LED remote lamps

ADDITIONAL PRODUCT INFORMATION

STANDARD LAMPS

LM2 provided with 5.4 watt incandescent PAR 36 sealed beam type lamps, all others with 7.2 watt incandescent PAR 36 sealed beam type lamps in 6 or 12VDC.

OPTIONAL 03L LED LAMP

LM with optional 03L lamps use 3 watts per lamp, and have a life-cycle of 50,000 hours. The 03L lamp offers multiple unit spacing up to 42' on center. Each lamp delivers 155 lumens. Note-LM33I must be loaded to a minimum of 12 watts total.

ELECTRONICS

Dual voltage input of 120/277VAC, 60 Hz. Includes a fully automatic constant voltage, current limited charger with transformer isolation and low battery voltage disconnect. Transfer contact through electric relay. Power distribution made with fused leads through internally located distribution board. Maximum power consumption of 20 watts (all models). Test initiated by means of integral test switch. AC-on indicated by LED. AC lock out provision prevents discharge of battery at installation until power is present.

OPTIONAL SPECTRON® SELF-TEST/SELF DIAGNOSTICS

Provides automatic flashing fault detection for battery, charger, transfer circuit and lamps. Conducts automatic 1-minute self-test every 28 days and a 30-minute self-test every 6 months. Automatic transfer for brownout conditions and 15-minute retransfer delay. Test switch allows for initiation of a 1, 5, 30 or 60-minute system check. Routine discharge cycles insure optimum battery performance. Meets UL standards for self-testing.

BATTERY

Maintenance-Free Lead Calcium or Nickel Cadmium with battery recharge per UL time standards.

OPERATING TEMPERATURE

Standard Models: 20°C to 30°C (68°F to 86°F)

Damp Models: 10°C to 40°C (50°F to 104°F)

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UNIT CAPACITY SELECTOR

O3L Lamp Models	DC Volts	Lamp Watts	Remote Capacity	Remote Watts	1 1/2 Hours	2 Hours	3 Hours	4 Hours
LM2-03L	6	3W	No	-	10.8	7	-	-
LM33-03L	6	3W	Yes	27	33	25	17	13
LM33I-03L	6	3W	Yes	27	33	25	17	13

Note- LM33I-03L must be loaded to a minimum of 12W including remotes

Standard Models	DC Volts	Standard Lamp	Enclosure Style	Remote Capacity	Total Watts For:			
					1 1/2 Hours	2 Hours	3 Hours	4 Hours
LM2	6	5.4W	1	No	10.8	--	--	--
LM16	6	7.2W	1	No	16	--	--	--
LM33	6	7.2W	1	Yes	33	25	17	13
LM40	6	7.2W	1	Yes	40	31	21	16
LM66	6	7.2W	2	Yes	66	51	35	27
LM80	6	7.2W	2	Yes	80	62	43	33
LM130	6	7.2W	2	Yes	130	101	70	54
LM40-12V	12	7.2W	1	Yes	40	31	21	16
LM66-12V	12	7.2W	2	Yes	66	51	35	27
LM80-12V	12	7.2W	2	Yes	80	62	43	33
LM130-12V	12	7.2W	2	Yes	130	101	70	54

Damp Location Models	DC Volts	Standard Lamp	Enclosure Style	Remote Capacity	Total Watts For:			
					1 1/2 Hours	2 Hours	3 Hours	4 Hours
LM28D	6	7.2W	1	Yes	28	21	15	11
LM34D	6	7.2W	1	Yes	34	26	18	14
LM56D	6	7.2W	2	Yes	56	43	30	21
LM68D	6	7.2W	2	Yes	68	53	36	28
LM112D	6	7.2W	2	Yes	112	87	60	47
Lm34D-12V	12	7.2W	1	Yes	34	26	18	14
LM56D-12V	12	7.2W	2	Yes	56	43	30	21
LM68D-12V	12	7.2W	2	Yes	68	53	36	28
LM112D-12V	12	7.2W	2	Yes	112	87	60	47

Nickel Cadmium Models	DC Volts	Standard Lamp	Enclosure Style	Remote Capacity	Total Watts For:			
					1 1/2 Hours	2 Hours	3 Hours	4 Hours
LM15N	6	7.2W	1	No	14.4	--	--	--
LM30N	6	7.2W	1	Yes	30	25	17	13
LM50N	6	7.2W	1	Yes	50	42	29	22
LM50N-12V	12	7.2W	1	Yes	50	42	29	22
LM100N-12V	12	7.2W	1	Yes	100	85	59	46

DIMENSIONS

Enclosure Style	A	B	C	D	E	F
1 20 Ga. (.036")	3 1/8"	5 3/4"	11 1/2"	13 1/2"	15 3/4"	25"
	9.8cm	14.6cm	29.2cm	34.3cm	40.0cm	63.5cm
2 18 Ga. (.048")	4 3/4"	7 3/4"	13 1/2"	15 3/4"	18"	27 1/4"
	12.1cm	19.7cm	34.3cm	40.0cm	45.7cm	69.2cm

