



LM Series

High Capacity Emergency Light

Catalog Number	
Comments	Type

FEATURES

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 models with 7.2 watt lamps as standard. The LED -03L option offers a 3 watt high performance LED lamp with specific models.

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

Compliances

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

ORDERING GUIDE

Model	Capacity	Battery Type	Output Voltage	Rating	Self Diagnostics	Options
	2 10.8 Watts	Blank Lead Calcium	Blank 6 Volt	Blank None	Blank None	V Voltmeter
	15 15 Watt**	N Nickel Cadmium*	12V 12 Volt ⁷	D Damp	I Spectron Self-test / Self-diagnostic Electronics ¹	3 3 Lampheads ^{1,2}
	16 16 Watt			CH Chicago ⁸		4 4 Lampheads ^{1,2,6}
	24 24 Watt***	* Capacity wattage may change depending upon option				0 0 Lampheads ^{1,2,3}
	28 28 Watt*					A31 Aux 3-conductor cord-120 volt
	30 30 Watt**					A32 Aux 3-conductor cord-277 volt
	33 33 Watt					24K 220/240 VAC, 60Hz ⁴
	34 34 Watt					03L 3W LED lamp-heads ⁹
	36 36 Watt					
	40 40 Watt					
	50 50 Watt**	Ordering Notes:				
	56 56 Watt*	¹ Not available with LM2 model				
	66 66 Watt	² Not available with LM15N, LM16 or LM24CH models				
	68 68 Watt*	³ Note: Spectron models with over 80 watts of capacity require a minimum load of 35 watts for accurate lamp failure indications				
	80 80 Watt	⁴ Not available with LM15N, LM24CH, LM30N, LM36CH, LM50N, LM100N, LM112D and LM130 models				
	100 100 Watt**	⁵ Spectron not available with Nickel-Cadmium batter models				
	112 112 Watt*	⁶ Not available with LM28D or LM36CH models				
	130 130 Watt	⁷ Not available with LM2, LM15, LM16, LM28, LM30 and LM33 models				
		⁸ Available on LM24 and LM36 models only				
		⁹ 03L lamps only available with LM2, LM33 and LM33I models				
						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, 18W Incandescent
						SRHSW1225 12V, 25W Incandescent
						SRHSW1235 12V, 35W Incandescent
						AHDSW1250 12V, 50W Halogen

ACCESSORIES - Order Separately

Model	Description
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

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





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UNIT CAPACITY SELECTOR

03L 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
LM331-03L	6	3W	Yes	27	33	25	17	13

Note- LM331 -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

City of Chicago Models	DC Volts	Standard Lamp	Enclosure Style	Remote Capacity	Total Watts For:			
					2 Hours	3 Hours	4 Hours	
LM24CH	6	12W	1	No	24	--	--	
LM36CH	6	12W	1	Yes	36	--	--	
LM36CH-12V	12	12W	1	Yes	36	--	--	

SPECIFICATIONS

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-LM331 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.

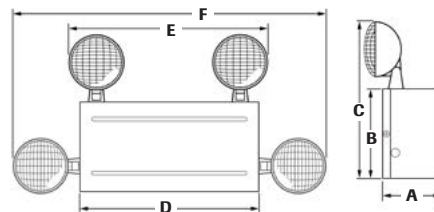
Operating Temperature

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

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

DIMENSIONS

Enclosure Style	A	B	C	D	E	F
1 20 Ga. (.036")	37/8" 9.8cm	53/4" 14.6cm	11 1/2" 29.2cm	13 1/2" 34.3cm	15 3/4" 40.0cm	25" 63.5cm
2 18 Ga. (.048")	43/4" 12.1cm	73/4" 19.7cm	13 1/2" 34.3cm	15 3/4" 40.0cm	18" 45.7cm	27 1/4" 69.2cm



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