



LM Series

HIGH CAPACITY EMERGENCY LIGHT

DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

FEATURES

- All LM models use either 3W or 5W LED lamp heads
- White, corrosion-resistant metal housing and front-loading cover
- Maintenance-free lead-calcium batteries
- Capacities up to 130 watts
- Lamp heads may be top or side mounted
- Low-voltage battery disconnect



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, 10.8 - 130 watts of capacity, and multiple lamp wattages
- The steel housing provides strength and durability.

CONSTRUCTION

- LM has two housing sizes
- Size 1 housing used with 10 - 40 watt units and is made of 20-gauge corrosion-resistant steel

- Size 2 housing used with 66 - 130 watt units and is made of 18-gauge corrosion-resistant steel
- 3W lamp head housings are injection molded
- 5W lamp heads feature a thermoplastic lamp-back with die-cast body and textured, tempered glass lens
- 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

SERVICE PROGRAMS



ILLUMINATION

- All LM-03L models use 3W high performance LED lamps
- All LM-1205L models use 5W high performance LED lamps

COMPLIANCES

- UL listed to UL924 Standard

WARRANTY

- **Fixture:** 3 Years Full, 5 Years Full with Spectron
- **Battery:** 2 Years Full, 3 Years Pro Rata

KEY DATA	
Lumens per head	155-547
Wattage per head	3-5
Efficacy Range (LPW)	51.7-109.4
Rated LED Lifecycle (Hours)	< 100,000

Example: LM40-12V-1205L

ORDERING GUIDE

CATALOG #

LM	Capacity	Battery Type	Output Voltage	Ratings	Self Diagnostics	Lamps
LM High Capacity Emergency Light	2	Blank Lead Calcium	Blank 6 Volt ¹ 12V 12 Volt ²	Blank None	Blank None I Spectron® Self-test/ Self-diagnostic Electronics ³	03L 3W LED lamp heads ¹ 1205L 5W LED lamp heads ²
	16					
	33					
	40					
	66					
	80					
	130					

Accessories (Order Separately)

- OCR Series** Outdoor LED Remote Heads for 03L units
- CPR Series** Outdoor LED Remote Heads
- DLR Series** Indoor/Outdoor Remote Heads for 1205L units
- WGA2** Wire Guard for Size 1 (up to 40W)
- WGTW** Wire Guard for Size 2 (66W and up)

- Notes:
- 1 Only available for LM2, LM16, LM33
 - 2 Only available for LM40, LM66, LM80, LM130
 - 3 Only available for LM16 and LM33





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ADDITIONAL PRODUCT INFORMATION

03L LED LAMP

LM fixtures with 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: LM331-03L must be loaded to a minimum of 12 watts total. The integral lamps use 6W so there must be a minimum of 6W remote load added to obtain lamp sensitivity adjustment.

1205L LED LAMP

LM fixtures with 1205L lamps use 5 watts per lamp and have a life-cycle of >50,000 hours. The 1205L lamp offers multiple unit spacing up to 82" on center. Each lamp delivers 547 lumens.

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 ensure optimum battery performance. Meets UL standards for self-testing.

BATTERY

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

OPERATING TEMPERATURE

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

UNIT CAPACITY SELECTOR

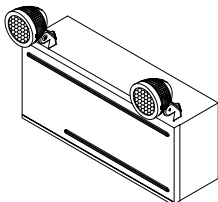
03L Lamp Models	DC Volts	Lamp Watts	Remote Capacity	Remote Watts	Total Watts For:			
					1 1/2 Hours	2 Hours	3 Hours	4 Hours
LM2-03L	6	3W	No	-	10.8	7	-	-
LM16-03L	6	3W	Yes	10	16	12	8	-
LM161-03L	6	3W	Yes	10	16	12	8	-
LM33-03L	6	3W	Yes	27	33	25	17	13
LM331-03L	6	3W	Yes	27	33	25	17	13

Note- LM331-03L must be loaded to a minimum of 12W including remotes

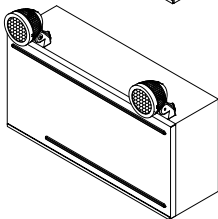
1205L Lamp Models	DC Volts	Standard Lamp	Housing Size	Remote Capacity	Total Watts For:			
					1 1/2 Hours	2 Hours	3 Hours	4 Hours
LM40-12V-1205L	12	5W	1	Yes	40	31	21	16
LM66-12V-1205L	12	5W	2	Yes	66	51	35	27
LM80-12V-1205L	12	5W	2	Yes	80	62	43	33
LM130-12V-1205L	12	5W	2	Yes	130	101	70	54

DIMENSIONS

Housing Size	A	B	C	D	E	F
1 20 Ga. (.036")	3 7/8" 9.8cm	5 3/4" 14.6cm	9 1/4" 23.5cm	13 1/2" 34.3cm	13 1/2" 33.7cm	20 7/8" 51.2cm
2 18 Ga. (.048")	4 3/4" 12.1cm	7 3/4" 19.7cm	11 1/4" 28.6cm	15 3/4" 40.0cm	15 1/2" 38.7cm	22 3/4" 57.8cm



Housing Size 1
LM2-03L
LM16-03L
LM161-03L
LM33-03L
LM331-03L
LM40-12V-1205L



Housing Size 2
LM66-12V-1205L
LM80-12V-1205L
LM130-12V-1205L

