Lightalarms

MG/MN-SP Series

Steel housing 12V up to 40W capacities Lead-Calcium or Nickel-Cadmium battery high performance LED heads

Housing
• Steel housing
• Standard gray finish, optional black finish

Lamp heads
• 6W (L6 lamp suffix), 10W (L10 lamp suffix) and 15W (L15 lamp suffix) high efficacy LED emergency heads outperform traditional 50W MR16-IR Halogen
• Black heads available in 15W (L15 lamp suffix) only
• Innovative head design: four-LED and dual-driver provide illumination even in case of unexpected component failure
• Die-cast aluminum, LED heads

Mounting
• Wall or ceiling mount
• Universal J-box mounting

Electronics
• Pulse plus charger
• Low voltage disconnect
• Automatic brownout protection

• Battery lock-out
• Fused output circuit
• Optional: Improved Diagnostics
• Optional Nexus®Pro IoT monitoring system
• Optional Nexus® wired and wireless monitoring system
• 120/277 60Hz

Choice of Battery
• 12V Lead-Calcium battery
• 12V Nickel-Cadmium battery

Approvals
• UL 924 Listed
• BC – California Energy Commission Title 20

Warranty (subject to proper installation and maintenance)

Unit: five-year limited warranty

Detailed warranty terms located on **page 197 or online at: www.lightalarms.com**

nexus® CSA US **id** improved diagnostics UL BC Nexus®Pro ✸

Power consumption chart - Non-CEC models

Series	Battery	Voltage	DC Specs				AC Specs	
			Battery capacity (in watts)					
			90 Mins	2 Hrs	3 Hrs	4 Hrs	Units dual voltage1	Current Maximum
M12N1	Nickel-Cadmium	12V	30	21	15	12	120VAC / 277VAC	0.3A / 0.15A
M12N2		12V	40	36	25	18		

[1] All units 120/277 dual voltage, information based on wiring to specific voltage type

Power consumption chart - CEC models

Series	Battery	Voltage	DC Specs				AC Specs	
			Battery capacity (in watts)					
			90 Mins	2 Hrs	3 Hrs	4 Hrs	Units dual voltage1	Current Maximum
M12G1	Lead-Calcium	12V	36	25	20	14	120VAC / 277VAC	0.3A / 0.15A

[1] All units 120/277 dual voltage, information based on wiring to specific voltage type

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**Dimensions** (Dimensions are approximate and subject to change)
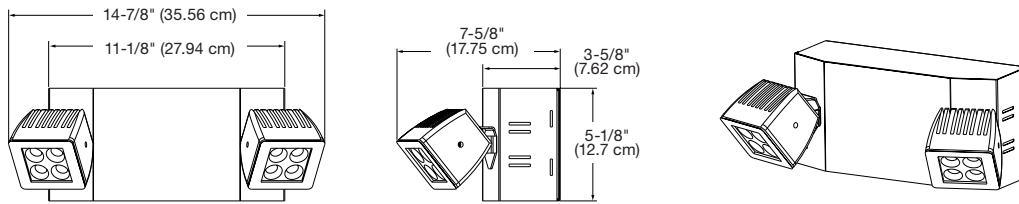
Photometry performance

For NEMA 1 type application, the MG/MN-SP Series LED emergency lights deliver a stable and consistent illumination on the path of egress for a wide range of mounting heights. Depending on the required illumination levels need for the application, choose between three level of lumen output using a 6W, 10W or 15W head.

LED Head	Power	Total lumens	Outperform spacing of MR16 halogen lamp types
L6	6W	565	37W PAR36, MR16 Halogen
L10	10W	1000	50W PAR36, MR16 Halogen
L15	15W	1300	50W MR16-IR Halogen

Spacing center-to-center (feet)

Mounting height	Lamp L6/6W, 565Lm	Lamp L10/10W, 1000Lm	Lamp L15/15W, 1300Lm
10 ft	80'	110'	140'
15 ft	70'	105'	135'
20 ft	60'	100'	130'
25 ft	50'	95'	120'
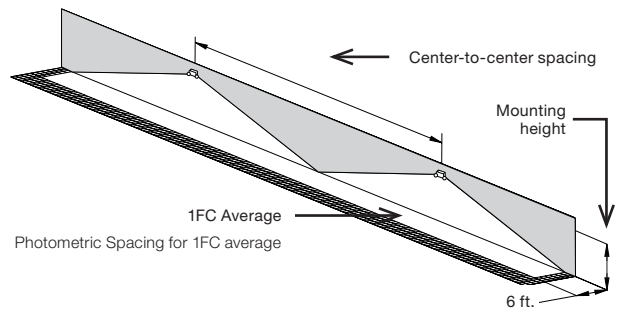
Wall mounted equipment, reflectances: 10/10/10; 6-ft wide illumination path. Illumination as per NFPA101; Average: 1fc; Min: 0.1fc; Max/min< 40:1

Center-to-center spacing

Mounting height

1FC Average

Photometric Spacing for 1FC average

6 ft.

Accessories (Order as a separate item)

Description	Product code
Mounting platform	MP-PQA
Wire Guard	WG10-L

Ordering format

Number of heads	Series/Capacity	Head style	Housing color	Mounting head	Options	Approval
2= Two heads	**Lead-Calcium battery** **M12G1SP**= 12V-36W **Nickel-Cadmium battery** **M12N1SP**= 12V-30W **M12N2SP**= 12V-40W	**/L6**= 12V-6W (565 Lumens) **/L10**= 12V-10W (1000 Lumens) **/L15**= 12V-15W (1300 Lumens)	**G**= Gray **B**= Black[1]	**-FM**= Front mount heads	**Blank**= No options **-ID**= Improved Diagnostics (audible)[2] **-IDNA**= Improved Diagnostics (non audible)[2] **-NEX**= Nexus® Wired compatible[3] **-NEXP**= Nexus®Pro IoT[3] **-NEXRF**= Nexus® Wireless compatible[3] **-T3**= Time delay (15 minute)[4] **-3CP**= 120V Cord & Plug, 3 wire, 3ft long[5] **-3CP277**= 277V Cord & plug, 3 wire, 3ft long[5]	**-CEC**= CEC Title 20 for California[6]

Example: 2M12G1SP/L15G-FM-ID

[1] Available with 15 watt heads only
[2] -ID & -INDA include a time delay feature that can be enabled/ disabled in the field or set by the factory by including -ID-TD* or -IDNA-TD*
[3] -NEX, -NEXP and -NEXRF are CSA-US approved only. Consult your sales representative
[4] Time delay only available with ID, IDNA, NEX, NEXP or NEXRF models
[5] -3CP & -3CP277 custom lengths available . Consult your sales representative
[6] Available with lead-calcium models only