



## N2LED SERIES EMERGENCY LUMINAIRES

### FEATURES

- Enclosures are raintight and suited for operation in highly corrosive and wet locations.
- The electronics consist of a solid-state charger, transfer circuit and low voltage battery disconnect circuit.
- The integrated, illuminated push to test button is mounted on the system housing using a neoprene O-ring gasket to seal out moisture and liquids.
- Capacity is sufficient for the connection of 6 output watts (maximum).
- System supports 4 light heads (at 1.5 Watts each) in any main/remote combination utilizing up to 6 Watts of output power.
  - This allows for a main unit without any light heads to drive up to 4 remote units or any other combination of 4 lights.
- Provides 100% lumen output for 90 minutes of operation with four light heads or 180 minutes of operation with two light heads.
- The solid-state charger maintains battery at full charge
- Upon power failure or utility voltage (AC) below 50 V, the DC emergency lighting load is connected to the battery.
- During emergency operation, the battery is automatically protected from deep discharge damage by a low-voltage battery disconnect (LVD) circuit.
- Upon restoration of normal power, the charger brings the battery to full capacity within acceptable UL time standards (typically within 24 hours).

- Integrated, illuminated push to test button:
  - Indicates presence of AC line voltage and system error codes
  - Activates push to test function
- A universal input circuit allows operation from 120 to 277 Vac, 50/60 Hz lines.
- Maintenance-free NiCd battery is suited for harsh temperature environments of 0 °C to +55 °C (+32 to +131 °F).
- Remote lamp head assemblies (one or two) are available for mounting of lamp heads away from main power supply system.
- An automatic test feature provides periodic self-test of the system functions every 30 days.
- Status indicator light allows easy monitoring of system status and failure modes.

### SUITABLE LOCATIONS

- Enclosed and gasketed, non-metallic emergency lighting system suitable for use in areas where flammable gases or vapors may become present due to abnormal, unusual or accidental conditions defined by NEC as Class I, Division 2, Groups A, B, C and D and Class I, Zone 2, Group IIC.
- Typical applications include manufacturing plants, refineries, petrochemical and chemical plants, waste and sewerage treatment facilities, food processing facilities, and other industrial manufacturing or process facilities subject to wet or corrosive conditions.
- Non-hazardous areas where dirt, dust or corrosion would reduce life of ordinary emergency lighting systems.

### STANDARD MATERIALS

- Lighting system:
  - Body: fiberglass reinforced polyester
  - Cover gasket: continuous silicone
  - Push to test switch: fiberglass reinforced polyester (FRP), neoprene gaskets
  - Hub: nickel plated brass
  - Cover screws: stainless steel
  - Lampheads: aluminum
- Remote unit:
  - Body: fiberglass reinforced polyester (FRP); specially formulated with low resistivity, will not hold static charge
  - Cover screws: stainless steel
  - Gasket: neoprene gasket

### NEC/CEC CERTIFICATIONS AND COMPLIANCES

- UL Standards:
  - 1598A (Supplemental Requirements for Luminaires for Installation on Marine Vessels)
  - 924 (Emergency Lighting and Power Equipment)
  - 844 (Electric Luminaires Hazardous Locations)
- CSA Standards:
  - C22.2 No. 141-M1985 unit equipment for emergency lighting
  - C22.2 No. 137-M1981 non-incendive electrical equipment for use in Class I, Division 2 hazardous locations
- Life Safety Code NFPA101® – Section 5-9 (Emergency Lighting)
- Marine wet locations suitability, Type 4X
- cCSAus Certified: 2715744

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### CATALOG NUMBERING GUIDE FOR N2LED MASTER UNITS

<b>N2LED</b>	<b>0</b>	<b>T</b>	<b>1</b>
Series:	Number of Direct Mounted Lamps:	Entry Location:	Entry Size:
N2LED - Emergency Lighting System	0 - None 2 - Two	T - Top Entry	1 - 3/4" NPT

### CATALOG NUMBERING GUIDE FOR N2LED REMOTE UNITS

<b>N2LEDR</b>	<b>1</b>	<b>R</b>	<b>1</b>
Series:	Number of Direct Mounted Lamps:	Entry Location:	Entry Size:
N2LEDR - Remote Emergency Lighting System	1 - One 2 - Two	R - Right	1 - 3/4" NPT

### TECHNICAL DATA

<b>Dimensions</b>	Master Unit — no heads	223 x 229 x 95 mm (8.80 x 9.0 x 3.70 in)
	Master Unit — 2 heads	249 x 229 x 95 mm (9.80 x 9.0 x 3.70 in)
	Remote Unit — 1 head	218 x 193 x 91 mm (8.60 x 7.60 x 3.60 in)
	Remote Unit — 2 heads	218 x 206 x 91 mm (8.60 x 8.10 x 3.60 in)
<b>Weight</b>	Master Unit — 2 heads	3.27 kg (7.2 lbs)
	Remote Unit — 2 heads	1.59 kg (3.5 lbs)
<b>Light Heads</b>	Master Unit	0 or 2 heads
	Remote Unit	1 or 2 heads
<b>Input Voltage</b>	120-277 Vac, 50/60 Hz	
<b>Output Power</b>	6 W	
<b>Power Entry Location</b>	Master Unit	Top
	Remote Unit	Right
<b>Battery Time in Emergency Mode</b>	2 heads	180 minutes
	4 heads	90 minutes
<b>Temperature Range</b>	0 °C to +55 °C (+32 °F to +131 °F).	
<b>T Rating</b>	T6	
<b>Lumen Output per head</b>	130 lumens @ 1.5 W	
<b>CCT</b>	5000K	
<b>Life</b>	>50,000 hours	
<b>Maximum Remote Distance</b>	152.4 m (500 ft)	
<b>Battery</b>	NiCAD	