Light-Pak N2LPS LED emergency lighting system

Cl. I, Div. 2, Groups B, C, D
Cl. I, Zone 2
Cl. II, Div. 2, Groups F, G (N2LPS only)
Marine & Wet Locations
NEMA 4, 4X

Applications:

Light-Pak™ N2LPS LED emergency lighting systems are used:

- To provide reliable illumination for egress areas during failure or interruption of power to the normal lighting system
- In areas where flammable gases or vapors may become present due to abnormal, unusual or accidental conditions
- In manufacturing plants, refineries, petrochemical and chemical plants, waste and sewage treatment facilities, oil terminals, food processing facilities, breweries and other industrial manufacturing or process industry facilities subject to wet or corrosive conditions
- To illuminate machinery or panels during a loss of AC power
- Where moisture, dirt, dust or corrosion will limit the life and reliability of ordinary emergency lighting systems
- Where required by the National Electrical Code®, the Life Safety Code® or other applicable codes
- Outdoor applications

Features:

- Non-metallic, enclosed, gasketed housing – provides corrosion protection in the most extreme environments
- Durable and marine rated LED lamp head assemblies – provide protection against water ingress, corrosion and impact
- Nickel cadmium battery – high temperature rated nickel cadmium battery for reliable operation up to 55°C ambient
- Reduced maintenance costs – self-test, monitoring and diagnostics reduce costly maintenance checks
- Remote mountable lamp heads – lamp heads can be mounted independently from the enclosure, allowing you to focus light where you need it
- Solid state battery charger – ensures long life and reliable battery operation; prevents deep discharge by automatically disconnecting the battery from the luminaire
- N2RF includes ¾" hub

Certifications and compliances:

NEC/CEC:

- Class I, Division 2, Groups B, C, D
- Class I, Zone 2
- Class II, Division 2, Groups F, G (N2LPS only)
- NEMA 4, 4X
- Marine and wet locations suitability

UL standards:

- UL1598A – Supplemental Requirements for Luminaires for Installation on Marine Vessels
- UL924 – Emergency Lighting and Power Equipment
- UL844 – Electric Luminaires Hazardous Locations

CSA standards:

- C22.2 No. 141-M1985
- C22.2 No. 137-M1981

NFPA:

- Life Safety Code NFPA101 – Section 5-9 (Emergency Lighting)

Standard materials:

- Power supply and remote luminaire enclosure – Krydon fiberglass-reinforced polyester
- LED lamp head assembly – epoxy powder coated aluminum
- Exterior hardware – nylon, plastic coated, and stainless steel
- Cover gasket – Hypalon synthetic rubber

Temperature performance data:

Cat. #	Class I & II, Division 2
N2LPS (all models)	T6
N2RF (all models)	

Note: Ambient temperature at which the Light-Pak system is rated is -20°C to 55°C. Operation at temperatures outside this range will affect the battery life and/or charging performance.



Electrical ratings:

- **Power supply:**
  Input – 120-277 VAC, 50 or 60 Hz; 6W maximum
  Output – 12 VDC
- **LED luminaire heads:**
  Voltage – 12 VDC
  Lamp – 1W LED, 6W maximum
  Maximum 6 lamp heads

Options:

Description	Suffix
• Breather/drain	**S931**[A]
• External battery disconnect switch	**S932**

Photometrics:

- Refer to www.eaton.com (under the Resources tab of each product family) for specific photometric IES files

Ordering information:

Description	Cat. #
2.45W max., 12V power supply, two 1W LED lamp heads	**N2LPSM212222**
2.45W max., 12V power supply, less luminaire heads	**N2LPSM212220**
Remote luminaire assembly, one LED lamp head	**N2RFM21221**
Remote luminaire assembly, two LED lamp heads	**N2RFM21222**
6W, 12V power supply with exit sign (single sided)	**N2LPSM212222 UX71SDHAZ**[B]
6W, 12V power supply with exit sign (double sided)	**N2LPSM212222 UX72SDHAZ**[B]

[A] The ECD18 stainless steel breather/drain cannot be used along with either UX7 exit sign due to construction restraints.
[B] Class I, Division 2 only.

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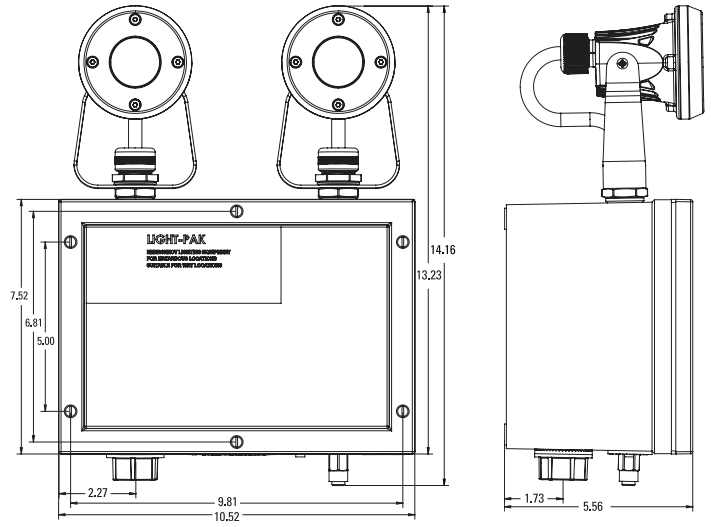
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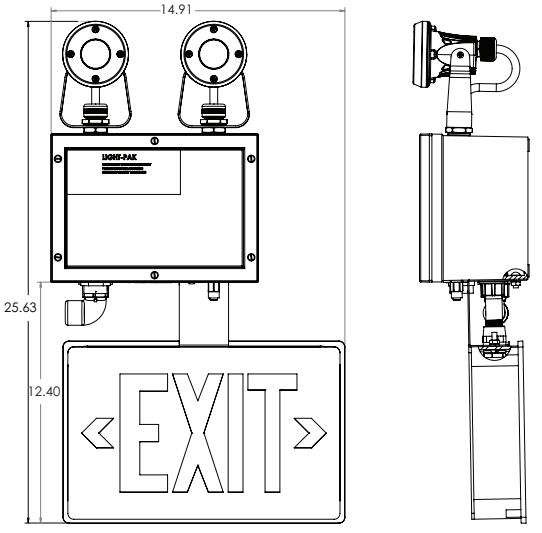
Cat. #	Weight (lbs.)	Weight (kg.)
N2LPSM212222	12.00	7.26
N2LPSM212220	10.00	5.44
N2RFM21221	7.00	3.63
N2RFM21222	8.00	4.08

Detail indication logic:

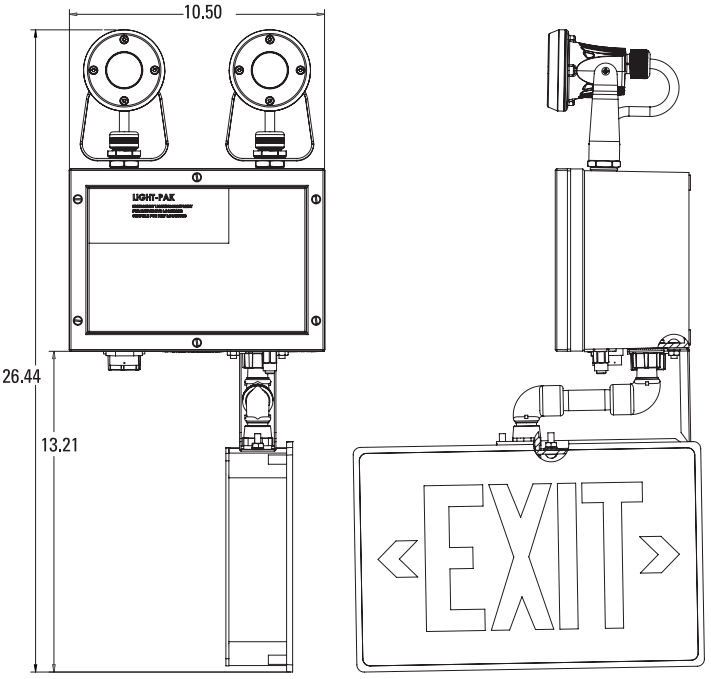
Status indication	Status description	Status definition
	No light	AC power removed from circuit
*	Steady light (no blinks)	Fully charged or test in process
* - *	Light blinks once	Battery charging
-	Light blinks twice	Battery failure
-	Light blinks three times	Circuit failure
****-****	Light blinks four times	Lamp failure

Dimensions (in inches):





UX71SDHAZ option – single sided



UX72SDHAZ option – double sided

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