



INDEMR16 - LED NEMA4X/NSF EMERGENCY UNIT



PROJECT: _____
FIXTURE TYPE: _____
LOCATION: _____
CONTACT/PHONE: _____



FEATURES

- NEMA 4X Certified
- NSF Certified
- IP66 Rated
- Provides 7.8W, 28.8W and 46.8W of remote capacity with 15W, 36W and 54W models respectively; compatible with INDRHLED16 remote heads
- Touchless, magnetically operated test switch (non-AC models only)
- Up to 52' on-center spacing

SPECIFICATIONS

Illumination

Two 3.3W LED MR16 style lamp heads with 219 lumens each

Housing

NEMA 4X rated polycarbonate enclosure, polycarbonate lens and stainless steel hardware

Electrical Input

120/277VAC Dual primary, 60Hz

Battery

Maintenance-free sealed lead calcium or NiCad battery

Operating Temp

15W Models: 0°C to 50°C (32°F to 122°F)

36W and 54W Models: 10°C to 40°C (50°F to 104°F)

Cold Location option: -25°C to 50°C (-13°F to 122°F)

Run Time

90 Minute emergency run time, 24 hour recharge time; alternate run times available - consult factory

Mounting

Back/wall mount

Finishes

Black or White

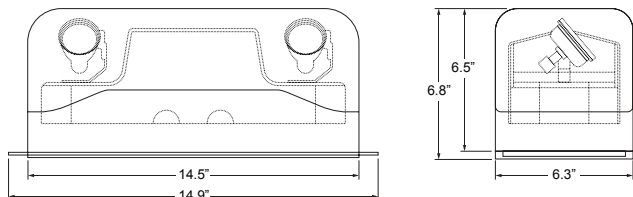
Certifications

UL 924 Listed for Wet Locations Meets NFPA 101 Life Safety Code, NEC, OSHAUL Certified for use in food service operations NEMA 4X and IP66 Rated

Warranty

Any component that fails due to a manufacturing defect is guaranteed for five years with a separate five year prorated warranty on the battery. The warranty does not cover physical damage, abuse or instances of uncontrollable natural forces. See the full Mule warranty document for detailed information.

DIMENSIONS



PRODUCT DESCRIPTION

The INDEMR16 Series is a part of the family of NEMA 4X and NSF certified emergency lighting solutions for extreme commercial and heavy industrial environments. The IND family offers protection against humidity, dust, and water infiltration and is comprised of the INDWLEZU (Exit Sign), INDCWLEZU (Exit Combo), INDEMR16 (Emergency Lighting Unit), and INDRHLED16 (Remote Head). The reinforced polycarbonate enclosure with impact-resistant, UV-stable polycarbonate lens is suitable for vandal-prone areas and Wet Locations.

ORDERING INFORMATION

Model	Battery Voltage	Wattage	Housing Color	Options
INDEMR16	6 = 6 Volt 12 = 12 Volt	15 = 15 Watts 36 = 36 Watts 54 = 54 Watts	W = White B = Black	SDT = Self-Diagnostics CW = Cold Weather ¹ TP = Tamper-Proof

¹ Available only in 15W models. **Example: INDEMR16615B**





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CONSTRUCTION

The INDEMR16 Series enclosure is made of UV-stable, reinforced polycarbonate coupled with a polycarbonate lens, corrosion-resistant hardware, and a molded gasket to provide protection for the equipment inside against ingress of solid foreign objects (dust) and water.

ILLUMINATION

Two (2) fully adjustable, attractive lamp heads allow for maximum light to be delivered to the path of egress. Emergency lights feature three LEDs x 1.1W per LED for 3.3W per lamp head that deliver 219 lumens in each MR16 style lamp head to provide optimal center-to-center spacing. Compatible with INDRHLED16 single or double remote lamp heads.

ELECTRICAL

Input
Dual-voltage input 120/277VAC @ 60Hz.

Battery/Charger/Indicator

Maintenance-free 6V/12V long-life, rechargeable nickel-cadmium batteries for 15W models. Maintenance-free 6V/12V long-life, rechargeable sealed lead acid batteries for 36W and 54W models. Fully automatic solid-state, two rate charger initiates battery charging to recharge a discharged battery within 24 hours (36 hours on 54W models). The internal solid-state transfer switch automatically connects the internal battery to power the LED board for a minimum of 90 minutes of illumination during the loss of utility power. A bi-color LED indicator light alerts occupant on battery condition (Green-normal, Red-check battery).

Test Button

The INDEMR16 uses a touchless, magnetic test switch (non-AC models only) along with an LED light indicator for code compliance testing.

INSTALLATION

Universal knockout pattern on back provided with gasket for watertight seal for back mount.

OPTIONS

Cold Weather Rated (Option: CW)

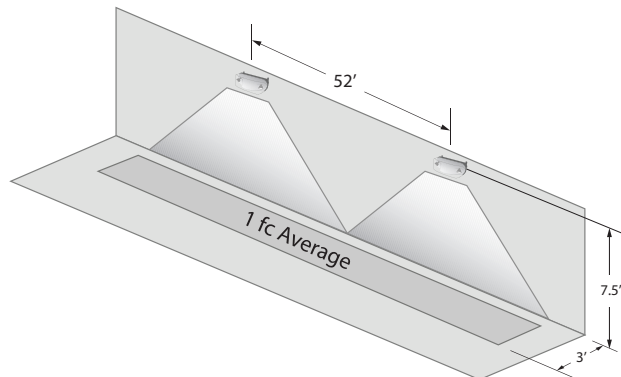
The INDEMR16 offers a Cold Location option and extends the temperature range to -25°C to 50°C (-13°F to 122°F). This option is ideal for colder climates or freezer/cold room applications.

Tamper-Proof Hardware (Option: TP)

Tamper-resistant hardware adds an additional layer of protection to the unit, preventing unwanted access to the interior of the unit or removal of the lens.

SAMPLE PHOTOMETRICS - 3' PATH OF EGRESS

Using multiple NXFE units mounted at a typical 7.5' height delivers 52' on-center spacing with a 3' wide path of egress using 80/50/20 reflectances.



Guardian Self-Test/Self-Diagnostics (Option: SDT)

The Guardian circuit continuously monitors the operating condition of the AC power, battery supply voltage, emergency lamp continuity and charging circuit. The purpose of this option is to provide visual signaling in response to a fault at the EXIT sign battery and/or battery charger. If a failure is detected, visual status will occur immediately via the CHARGER LED and/or the BATTERY FAULT LED. The LED will stay illuminated until the fault is corrected. The Guardian circuit also monitors the transfer circuit as well as performing automatic code-compliant testing. The Guardian circuit will perform a 30 second discharge and self-test every 30 days. A 60 minute discharge and self-test is performed every 6 months, and a 90 minute discharge and self-test is performed every 12 months.

Red LED	Unit Fault	Corrective Action
Steady	Battery Disconnected	Check Battery Connection
1 Blink	Electronics Failure	Check Battery Then Consult Factory
2 Blinks	Battery Failure	Check Battery Then Consult Factory
3 Blinks	N/A	N/A
4 Blinks	Emergency Lamp	Check Lamp Connections Then Consult Factory
5 Blinks	Remote Lamp	Check Remote Lamp Connections Then Consult Factory

NEMA 4X Rated (Standard)

NEMA 4X rated fixtures are designed for outdoor applications. NEMA 4X rating ensures that the fixtures will withstand contact with falling dirt, moderate or jet-driven water, ice and corrosion. NEMA 4X fixtures are designed to perform in Hose-Down applications.

IP66 Rated (Standard)

IP66 rating ensures that the product can be installed in outdoor applications where significant water or dust may come in contact with the fixture. IP66 rated fixtures are fixtures designed to perform in Hose-Down applications.

NSF Certified (Standard)

NSF certification ensures that the equipment has been evaluated, tested, and certified by NSF International as meeting international commercial food equipment standards and that the product can be installed in food processing applications.

CONFORMANCE TO CODES & STANDARDS

The INDEMR16 Series is UL 924 Listed for Wet Locations and meets or exceeds the following: NEC requirements and NFPA 101.

SAMPLE PHOTOMETRICS - 6' PATH OF EGRESS

Using multiple NXFE units mounted at a typical 7.5' height delivers 48' on-center spacing with a 6' wide path of egress using 80/50/20 reflectances.

