

GENERAL DESCRIPTION

The Rhyno Series is a state of the art industrial emergency lighting product for extreme environments. The Rhyno Series is designed to be protected against liquid, moisture, dirt, and dust entry. The Rhyno Series is approved for NEMA 4X and IP66 areas, and is additionally UL listed for wet locations, cold ambient conditions, high ambient conditions, and extreme ambient conditions. The Rhyno Series meets the Buy American requirements.

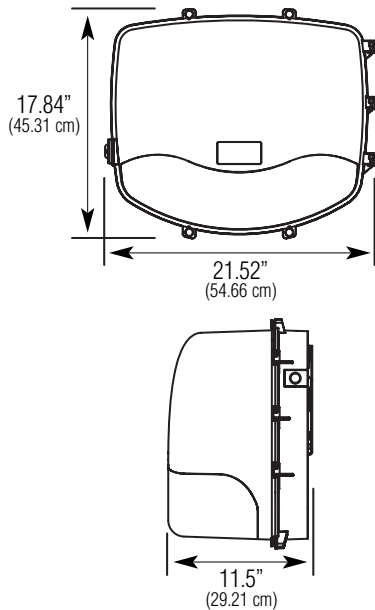
ILLUMINATION

Illumination is accomplished with up to three lamp heads internally mounted on the bottom of the unit for optimum path of egress illumination. Lamps are held in a molded swivel assembly and are fully adjustable. Each lamp head utilizes a PAR 36 sealed beam tungsten or halogen lamp.

INSTALLATION

The Rhyno Series is supplied standard with a wall mount bracket. A universal mounting kit for column, pole, or I-beam mounting is available as an accessory item.

DIMENSIONS



See reverse for more dimensions.

Rhyno Series

NEMA 4X, IP66, Harsh Environment Emergency Lighting Standard Self-Diagnostics Electronics* 12 and 24 Volt, 200 to 450 Watts**

*Self-powered models incorporate the Intelli-Charge diagnostics electronics package. Self-testing is a factory installed option.
**24 volt system available in 300 and 450 watt capacity only

HOUSING

Constructed of impact-resistant Lexan® with corrosion resistant hardware. Housing color is gray. A one-piece, molded gasket, and unexposed metallic hardware prolong product life in highly corrosive areas. A hinged, removable cover allows for hands-free wiring. Housing is rated for use in NEMA 4X and IP66 areas and is additionally UL wet location listed.

ELECTRONICS

120/277 VAC dual voltage input with surge protection is standard on all models. Charging system is microprocessor driven with software embedded diagnostic routine and precision temperature compensation. See specification sheet C1059 for technical specifications for the electronics. Surge protection, brownout, AC lockout, and low voltage disconnect features are standard.

BATTERY

The Rhyno battery assemblies have been pre-qualified for use based on anticipated ambient temperatures. Battery chemistries consist of sealed maintenance-free lead calcium and pure lead. Batteries supply a minimum of 90 minutes of emergency power at the lowest rated temperature of the model selected without de-rating the fixture.

INTELLI-CHARGE SELF-TESTING DIAGNOSTICS (OPTIONAL)

The Intelli-Charge diagnostic/charging platform with self-testing mode automatically runs a one-minute self-test every 30 days and a 30-minute test on the sixth and twelfth month. A one-minute or 90-minute test may be initiated via the push to test switch on the unit or by activating the appropriate test command on the optional IR test device.

WARRANTY

Three year full electronics warranty.
One year full plus four year prorated lead calcium or pure lead battery warranty.



SHOWN: RN230PF3IC

ELECTRICAL SPECIFICATIONS

Input Power Requirements

12 Volt, Standard

120 VAC, 60 Hz = 0.560A, 277 VAC, 60 Hz = 0.236A

12 Volt, 'C' - Cold Ambient

120 VAC, 60 Hz = 0.984A, 277 VAC, 60 Hz = 0.422A

12 Volt, 'H' - High Ambient Units

120 VAC, 60 Hz = 0.463A, 277 VAC, 60 Hz = 0.192A

12 Volt, 'E' - Extreme Ambient Units

120 VAC, 60 Hz = 0.992A, 277 VAC, 60 Hz = 0.443A

24 Volt, Standard

120 VAC, 60 Hz = 0.697A, 277 VAC, 60 Hz = 0.304A

24 Volt, 'C' - Cold Ambient

120 VAC, 60 Hz = 1.343A, 277 VAC, 60 Hz = 0.594A

24 Volt, 'H' - High Ambient Units

120 VAC, 60 Hz = 0.741A, 277 VAC, 60 Hz = 0.312A

24 Volt, 'E' - Extreme Ambient Units

120 VAC, 60 Hz = 1.256A, 277 VAC, 60 Hz = 0.548A

CODE COMPLIANCE

UL 924 listed
UL wet location listed
NSF Standard 2 "Splash Zone"
NEMA 250 (NEMA 4X classification)
NFPA 101, NEC, IBC, BOCA, and OSHA illumination standard
IEC 529 (60529) IP66
Model numbers RN220PF2IC and RN230PF3IC (both available with factory installed options) are UL 924 listed for 8-hour run time in the emergency mode

ORDERING INFORMATION (EXAMPLE: RN230PF3IC)

RN							IC	
SERIES	BATTERY VOLTAGE	CAPACITY	ENVIRONMENT***	LAMP DESIGNATOR	LAMP HEAD QUANTITY	MODEL DESIGNATOR	OPTIONS	
RN = Rhyno Series Industrial Emergency Lighting Fixture	2 = 12 Volts DC 4 = 24 Volts DC ²	20 = 200 Watts 25 = 250 Watts 30 = 300 Watts 40 = 400 Watts 45 = 450 Watts	See Capacity & Environment for Limited Availability*** Blank = Wet Location Listed (0°C to 40°C) C = Cold Ambient Conditions, Wet Location Listed (-40°C to 40°C) H = High Ambient Conditions, Wet Location Listed (0°C to 55°C) E = Extreme Ambient Conditions, Wet Location Listed (-40°C to 55°C)	12 Volt, PAR 36 Sealed Beam Tungsten PE = 12 Watt PF = 18 Watt PG = 25 Watt PH = 30 Watt 12 Volt, PAR 36 Sealed Beam Halogen PK = 8 Watt PL = 12 Watt PM = 37 Watt PN = 50 Watt	24 Volt, Sealed Beam Tungsten PO = 50 Watt	0 = No Heads 2 = Two Heads 3 = Three Heads	IC = Intelli-Charge Self-Diagnostic Electronics A = Ammeter ACF1 = 120 Volt AC Input Fuse ACF2 = 277 Volt AC Input Fuse ACP1 = 120 Volt AC Disconnect Switch ACP2 = 277 Volt AC Disconnect Switch BDS = Battery Disconnect Switch EX = Special Input Transformer ¹ (specify voltage & frequency) T = Self-Testing Diagnostics (non-audible) TA = Audible Self-Testing Diagnostics TD = Time Delay V = Voltmeter	
***CAPACITY & ENVIRONMENT SELECTION								
	C = 12V, 300W; 24V, 300W H = 12V, 300W; 24V, 300W E = 12V, 300W; 24V, 300W All other configurations are standard wet location listed from 0°C to 40°C.							

ACCESSORIES (order as a separate line item)
NUMK = Universal Mounting Kit (column, pole, I-beam)
ICIR = Intelli-Charge Infra-Red Remote

Notes:
1) Certain option combinations may impact UL listing, consult factory.
2) 24 volt systems only available in 300 and 450 watt configurations.

