

Model Number:

Accessories:

Job:

Type:

Approvals:

FEATURES

- Impact-resistant, fiberglass housing with an industrial gray finish
- Available in 6, 12 or 24 volt with wattages ranging from 27-360 watts
- High-impact, thermoplastic, PAR 36 sealed beam lamps
- IP66 rated for wet and hose down locations - NEMA 4X
- Internal battery heater optional for cold location installations
- AC lockout for ease of installation and installer protection
- Low voltage disconnect eliminates deep discharge
- Brown-out, short circuit and voltage surge protection
- Maintenance-free lead acid battery
- Optional NiCad battery available
- ETL listed 90 minute emergency run time, 24 hour recharge time
- Optional Guardian Self-Test/Self-Diagnostics (G2) available
- Optional Internal Battery Heater (IH1 or IH2) allows operation in temperatures as low as -40°F (-40°C)
- Optional time delay feature available
- Universal J-Box mounting system
- 120/277V dual primary, 60Hz input
- Fixture series may be built to comply with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions - call factory for details



The WNX series of industrial emergency lighting units are designed to be affordable, durable and dependable. The NEMA 4x rated fiberglass housing can be used in most damp, wet and hose down areas.



WARRANTY

Any component that fails due to manufacturer's defect is guaranteed for 3 years with a separate 3 year pro-rated warranty on the battery. The warranty does not cover physical damage, abuse or acts of God. Manufacturer reserves the right to charge for such repairs if deemed necessary.

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

ORDERING INFORMATION Example: WNX-12N-42-2-Z12H12-G2

Series	Wattage		# of Lamp Heads	Lamp Heads	Options (Factory Installed)
WNX-6 = 6 Volt Lead Acid	6 Volt Lead Acid	6 Volt NiCad	0 = No Lamp Heads	6 Volt Tungsten Lamps	G2 = Self-Test/Self-Diagnostics
WNX-6N = 6 Volt NiCad	27 = 27 Watts	18 = 18 Watts	1 = 1 Lamp Head	Z0608 = 8 Watts	A = Ammeter
WNX-12 = 12 Volt Lead Acid	36 = 36 Watts	42 = 42 Watts	2 = 2 Lamp Heads	Z0618 = 18 Watts	V ¹ = Voltmeter
WNX-12N = 12 Volt NiCad	60 = 60 Watts	90 = 90 Watts		Z0625 = 25 Watts	TA = 120V Time Delay
WNX-24 = 24 Volt Lead Acid	12 Volt Lead Acid	12 Volt NiCad		Z0630 = 30 Watts	TB = 277V Time Delay
WNX-24N = 24 Volt NiCad	36 = 36 Watts	42 = 42 Watts		6 Volt Halogen Lamps	FP = Food Prep Lens
	60 = 60 Watts	90 = 90 Watts		Z06H08 = 8 Watts	IH1 = Internal Batt Heater 120V
	140 = 140 Watts	130 = 130 Watts		Z06H12 = 12 Watts	IH2 = Internal Batt Heater 277V
	360 = 360 Watts	200 = 200 Watts		12 Volt Tungsten Lamps	LC = 3' Line Cord
	24 Volt Lead Acid	24 Volt NiCad		Z1212 = 12 Watts	USA = Meets Buy American Requirements
	140 = 140 Watts	100 = 100 Watts		Z1218 = 18 Watts	
	360 = 360 Watts	200 = 200 Watts		Z1225 = 25 Watts	
				Z1230 = 30 Watts	
				12 Volt Halogen Lamps	
				Z12H08 = 8 Watts	Accessories² (Field Installed)
				Z12H12 = 12 Watts	WG-7 = Wire Guard, 27-72W (Back Mount)
				24 Volt Tungsten Lamps	WG-A = Wire Guard, 100-360W (Back Mount)
				Z2409 = 9 Watts	XG-EL90 = Poly Guard, 27-72W (Back Mount)

¹ 6 Volt or 12 Volt Only

² Order as separate line item

CONSTRUCTION

The WNX series is constructed with a durable, fully gasketed NEMA 4x rated fiberglass cabinet. Industrial gray finish is standard.

ILLUMINATION

Two fully adjustable lamps with metalized reflectors allow for maximum light to be delivered to the path of egress. Emergency lights consist of two 6, 12 or 24 volt, 9 watt, "Z" style Par 36 lamp heads as standard.

ELECTRICAL

Input

Dual-voltage input 120 or 277VAC @ 60Hz.

Sealed Lead Acid Battery – SLA

Sealed lead acid batteries are maintenance-free with a life expectancy of 5 years. Sealed lead acid batteries provide a relatively large power-to-weight ratio making them ideal for emergency applications. Lead Acid batteries are constructed of a series of plates stacked with separators designed to optimize the efficiency and prolong the life of the battery. Lead Acid batteries perform optimally in temperatures ranging from 15-40 degrees C.

Sealed Nickel Cadmium Battery (Option: NC)

Sealed nickel cadmium batteries are maintenance-free with a life expectancy of 15 years. Nickel cadmium batteries offer high discharge rates and continue to perform in a vast temperature range from 0-40 degrees C. NiCad technology provides long lasting, safe and reliable performance by utilizing the jelly-roll design and allows a Ni-Cad cell to deliver a much higher maximum current than an equivalent size alternative battery. As a relatively larger area of the electrode is in contact with the active material in each cell, the internal resistance for an equivalent sized NiCad cell is lower which increases the maximum current that can be delivered.

Emergency

The WNX series exit will operate for a minimum of 90 minutes during a loss of power with a 24 hour maximum recharge time for the battery.

Brownout Circuit

The brownout circuit monitors the flow of AC current to the unit and triggers the emergency lighting system once a set reduction of AC power occurs. This dip in the voltage will cause many fixtures to extinguish causing loss of normal lighting even though a total power failure has not occurred.

Low Voltage Disconnect

When the battery's terminal voltage falls below predetermined levels, the low-voltage circuit disconnects the emergency lighting load. The disconnect remains in effect until normal power is restored, preventing deep battery discharge and improving the life of the battery. The disconnect will also automatically reconnect the load circuit once the battery voltage returns to a normal value after charging.

Solid-State Transfer

The unit features a solid-state switching transistor which eliminates damaged contacts or mechanical failures associated with relays. The switching circuit is designed to detect a loss of AC power and automatically energizes the lamps. Upon restoration of the AC voltage, the emergency lamps will switch off and the charger will automatically recharge the battery.

Overload and Short-Circuit Protection

The solid-state overload monitoring system in the DC circuit disconnects the lamp load from the battery should excessive wattage demands be made and automatically resets when the overload or short-circuit is removed. This overload current protective characteristic eliminates the need for fuses or circuit breakers for the DC load.

Test Button

Our easily located test button allows for manual verification of proper operation of the transfer circuit and emergency lamps.

INSTALLATION

The WNX series is suitable for surface wall mount applications

Made in the USA (Option: USA)

Many of our products can be produced or transformed to comply with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions. These fixtures meet LEVEL 2 or 3 compliance when option is requested – please call factory for details with questions.

Guardian Self-Test/Self-Diagnostics (Option: G2)

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 LEDs 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 28-30 days. A 90 minute discharge and self-test is performed every 6 months.

Time Delay (Option TA or TB)

The purpose of this feature is to allow additional time for "normally on" fixtures to return to full brightness prior to extinguishing the supplemental light from the emergency fixtures.

Internal Heater (Option: IH1 or IH2)

The internal heater on this emergency fixture is designed to extend the operating temperature range of this unit down to -40 degrees C (-40 degrees F).

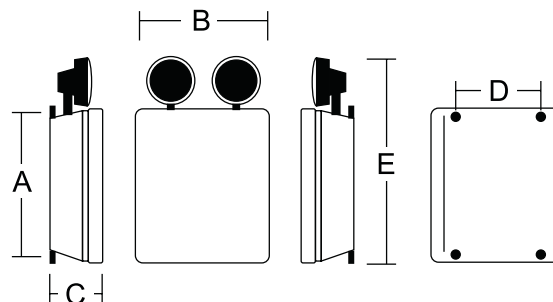
CONFORMANCE TO CODES & STANDARDS

The WNX Series is ETL listed and meets or exceeds the following: UL 924, NEC requirements and NFPA 101.

MODEL RATING GUIDE

Model	Volts	Wattage (Minutes)				Cabinet
		90min	120min	180min	240min	
WNX-6-27	6	27	20	13	10	1
WNX-6-36	6	36	27	18	13	1
WNX-6-60	6	60	45	30	22	2
WNX-12-36	12	36	27	18	13	1
WNX-12-60	12	60	45	30	22	2
WNX-12-140	12	140	105	70	52	2
WNX-12-360	12	360	270	180	135	3
WNX-24-140	24	140	105	70	52	2
WNX-24-360	24	360	270	180	135	3

DIMENSIONS



Cabinet	A	B	C	D	E
1	11.43"	9.25"	5.43"	5.3"	16.5"
2	13.43"	11.25"	5.43"	8.3"	18.5"
3	15.5"	13.37"	6.25"	12.25"	22.5"