

Type No. _____
Job Name _____
Catalog No. _____



Shown: **GXLH24SR2XYG**



Guard-Lite

LED Exit and Combination Exit/Emergency Series

- **Hazardous Location LED Exit Signs**
- **Maintenance Free, Sealed Lead Calcium or Nickel Cadmium Battery**
- **Class I, Div. 2, Groups A, B, C & D, Zone 2, Groups IIA, IIB + H₂ & IIC; and Class II, Div. 2, Groups F & G Hazardous Location Units**

Housing

- Impact resistant, fiberglass reinforced polyester, gray enclosure is suitable for NEMA 3, 4x, and 12 areas
- Fully gasketed
- Corrosion resistant hardware
- Standard internal mounting or external mounting feet for installation flexibility
- View through window enables easy monitoring of AC indicator light
- Lamp heads constructed of polycarbonate with optional shatter-resistant lamp head shields

Electronics

All Versions

- 120/277 VAC dual voltage input capability
- Charger restores battery to full charge within UL 924 requirements
- Nickel cadmium units utilize a constant current charger
- Brownout protection activates lights when AC voltage drops 20% below nominal
- Labor saving AC lockout feature
- Low voltage disconnect (LVD) switch prevents deep battery discharge

Electrical Specifications

AC Only - 0.08 amps (120 VAC), 0.03 amps (277 VAC)
Self-Powered - 0.09 amps (120 VAC), 0.04 amps (277 VAC)
Combination Exit/Emergency - 0.21 amps (120 VAC),
0.09 amps (277 VAC)

Warranty

Electronics: 3 years
Battery: 5 years full, 5 years pro-rata (nickel cadmium)
1 year full, 4 years pro-rata (lead calcium)

Battery

- Maintenance free, sealed lead calcium battery has an expected service life of 5 years with an operating range of 65°F (19°C) to 85°F (30°C)*
- Maintenance free, sealed nickel cadmium battery has an expected service life of 10 years, operating range of 20°F (-7°C) to 95°F (35°C)*

* Increases or decreases in temperature will affect battery performance and/or capacity. Optimum battery performance realized at 77°F (25°C).

Self-Diagnostics (optional)

- OmniTest Self-Diagnostics option includes automatic and manual tests to ensure unit is operating properly, and assists user in meeting code requirements.
- Verifies battery voltage and lamp continuity every 10 seconds.
- Illuminates lamps and discharges battery for 3 minutes every 30 days. A manual test is available from 1 to 90 minutes.

Code Compliance

- UL 924, 844, 1604 listed
- NFPA 101, NEC, BOCA, OSHA, and IBC illumination standards
- Suitable for use in Class I, Div. 2, Groups A, B, C & D, Zone 2, Groups IIA, IIB + H₂ & IIC; and Class II, Div. 2, Groups F & G
- Temperature performance rating = T3C
- Nickel Cadmium units are also listed for Class II, Division 2 Groups F and G

Guard-Lite Exit Series

Ordering Information

GX	L		S				
SERIES	LAMP TYPE	POWER REQUIREMENTS	NO. OF FACES	LETTER COLOR	NO. OF HEADS	LAMP HEAD TYPE	OPTIONS ¹
GX	L = LED	0 = AC Only, 120/277 VAC 3 = Self-Powered, Nickel Cadmium 120/277 VAC	S = Single	R = Red G = Green	N/A	N/A	EX = Special Input Transformer (Specify voltage & frequency) OT = OmniTest Self-Diagnostics OTAL = OmniTest with Alarm OTTD = OmniTest w/Time Delay ² S = Shatterproof Lamp Lens (Combo Signs Only) TD1 = 120 VAC Time Delay ³ TD2 = 277 VAC Time Delay ³
		Combo Versions H6 = Self-Powered, Lead Calcium w/ 6 watts extra capacity H12 = Combo, Lead Calcium w/ 12 watts extra capacity H24 = Combo, Lead Calcium w/ 24 watts extra capacity H60 = Combo, Lead Calcium w/ 60 watts extra capacity					

NOTES: 1) Some option combinations may impact UL listing. Consult factory for specifics. 2) Not available with OT, OTAL, or OTTD options. 3) 15 minute delay.

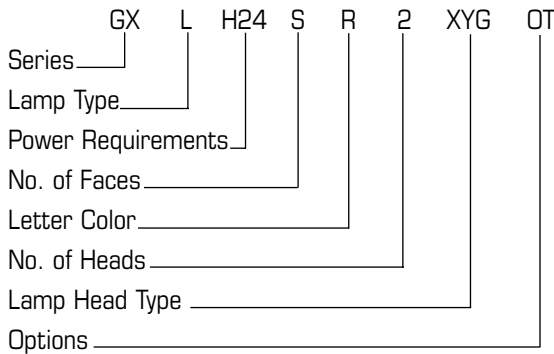
ACCESSORIES (Ordered Separately)
WG5 = Wire Guard

Lamp Head Selection

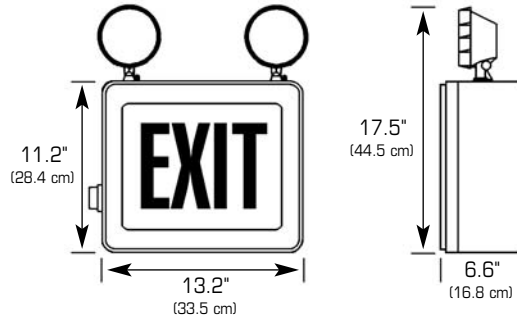
The standard lamp head for the combo exit is the "XYG" 6 volt, 6 watt type. For alternate mounted or remote lamp heads, refer to the accessories section of the LightGuard specification binder.

Type	Wattage					
	6	8	12	18	25	30
6 Volt						
Tungsten		XAG		XBG	XCG	XDG
Halogen	XYG	XIG	XJG			

Ordering Example



Dimensions



Dimensions are approximate and subject to change.

Suggested Specification

Furnish and install LightGuard exit sign model _____. The exit shall be listed to Underwriters Laboratories, Inc. Standards #924, 844, & 1604, and shall meet the standards of the National Electrical Code (NEC) Class I, Division 2, Groups A, B, C & D, Zone 2, Groups IIA, IIB + H₂ & IIC; and Class II, Division 2, Groups F & G.

INSTALLATION /OPERATION - Exit shall be easily field connected to a 120 or 277 volt, 60 hertz, unswitched power source. Installation must comply with the NEC Code as well as other applicable codes. Upon utility power failure or brownout, the unit shall automatically transfer to battery power and maintain the required illumination for a minimum period of 90 minutes.

CHARGER (Self-Powered Only) - Battery chargers shall recharge to rated capacity in accordance with UL 924. Lead calcium exits shall utilize a fully automatic, voltage regulated, current limited, solid-state charger. Nickel cadmium battery exits shall utilize a constant current, solid-state charger. The following features shall be standard: Low Voltage Disconnect (LVD), Brownout Protection; AC Lockout.

BATTERY (Self-Powered Only) - The battery shall be either maintenance free, sealed lead calcium or maintenance free, sealed nickel cadmium.

ILLUMINATION - The Guard-Lite Exit Series shall incorporate high intensity LEDs. The LEDs shall be designed so that the unlikely failure of one LED will not affect the integrity of the total sign in the emergency mode. LEDs shall have a rated life of 25+ years. LEDs are driven well below their current rating.

HOUSING - The cabinet shall be compression molded, fiberglass-reinforced, polyester chemically resistant to corrosive atmospheres. Exit shall incorporate internal mounting holes. In addition to external mounting feet, a formed-in-place non-removable gasket and non-removable hinged covers shall be included. Enclosure shall meet NEMA 3, 4X, and 12 requirements.

SELF-DIAGNOSTICS (Optional) - The exit shall include OmniTest self-diagnostics. OmniTest shall conduct the following automatic tests: battery voltage and lamp continuity every 10 seconds, a 3 minute battery discharge and lamp illumination test every 30 days, and a 30 minute battery discharge and lamp illumination test every 6 months. OmniTest shall also conduct the following manual tests: three minute, 30 minute and 90 minute battery discharge and lamp illumination tests and optional audible alarm.

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



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