

# GLE-S Series

## GREEN EXIT SIGN



The GLE-S Green Exit Series is specifically designed to provide plant-safe, 530nm, Soft Green egress lighting for horticultural applications. The plant-safe, green light provides a safe means of egress while not adversely affecting plant growth during dark cycles. The GLE-S Series is the brightest, most visible sign in the industry in both normal and smoke filled environments.

### FEATURES

- Code compliant UL 924 Listed
- Soft Green LEDs provide plant-safe egress lighting
- Enclosure constructed of rugged 20 gauge steel
- Solid 1/8" thick, vandal-resistant, polycarbonate lens
- Low voltage disconnect eliminates deep discharge
- Brownout, short circuit and voltage surge protection
- Overcharge protection
- Maintenance-free NiMH (standard) and Lead Calcium (G1) batteries
- Operating temperatures: NiMH - 32°F to 104°F (0°C to 40°C), Lead Calcium - 15°C to 40°C (59°F to 104°F)
- Ceiling, wall or end mount
- Constant, uniform illumination by long-life, high-intensity, Soft Green, plant-safe, LEDs
- Optional Guardian Self-Diagnostics (G1) available
- Field-selectable directional chevrons
- 120/277VAC dual primary, 50/60Hz input
- Standard finish: Black

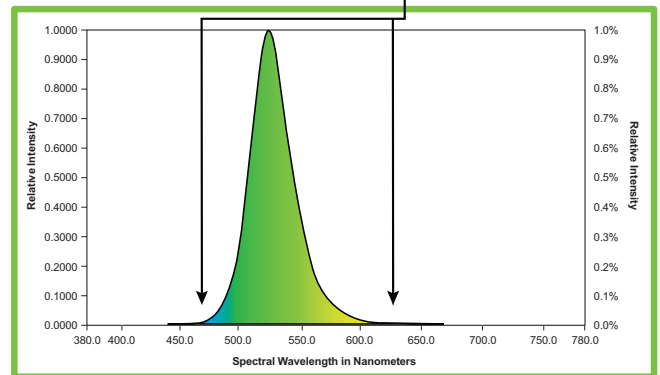


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WARRANTY

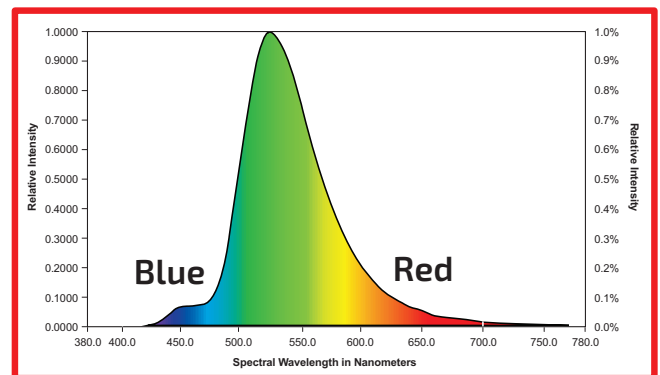


### SPECTRUM

#### Growlite Soft Green LED Spectrum Eliminated the Blue and Red output



#### Competitor's Green Spectrum



### WARRANTY

Any component that fails due to manufacturing defect is guaranteed for 25 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 Growlite warranty document for detailed information.

**GROWLITE.COM**

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Glendale, Arizona 85307  
800.533.3948

Specifications are subject to change without notice.

# ORDERING INFORMATION

Example: GLE-S1-WB-BL

Series / Configuration	Power Source	Fixture Color	Options (Factory Installed)
GLE-S1 = Single-face	LB <sup>1</sup> = AC Only	BL = Black Enclosure, Black Face/Green Letters	G1 <sup>2</sup> = Self-diagnostics
GLE-S2 = Double-face	WB = NiMH Battery (std)		TRH <sup>3</sup> = Tamper Resistant Hardware
	2CI1 <sup>1</sup> = 2 Circuit Input 120/120V		
	2CI7 <sup>1</sup> = 2 Circuit Input 277/277V		
	2CI17 <sup>1</sup> = 2 Circuit Input 120/277V		
			<b>Accessories<sup>4</sup> (Field Installed)</b>
			ER1-KIT = 1' Pendant Mount Kit
			ER2-KIT = 2' Pendant Mount Kit
			TRHT-6H-8H = Tamper Tool
			WG-1 = Wire Guard (Back Mount)
			WG-2 = Wire Guard (End Mount)
			WG-3 = Wire Guard (Ceiling Mount)
			WG-6 = Wire Guard For Combo (Back Mount)
			XG-1 = Poly Guard (Back Mount)
			XG-3 = Poly Guard (Ceiling Mount)
			XG-6 = Poly Guard For Combo (Back Mount)

## Notes

<sup>1</sup> Not available with G1 (Self-diagnostics)

<sup>2</sup> Only available with power source "WB" utilizing a lead calcium battery

<sup>3</sup> Must order Tamper Tool (TRHT-6H-8H) as separate line item

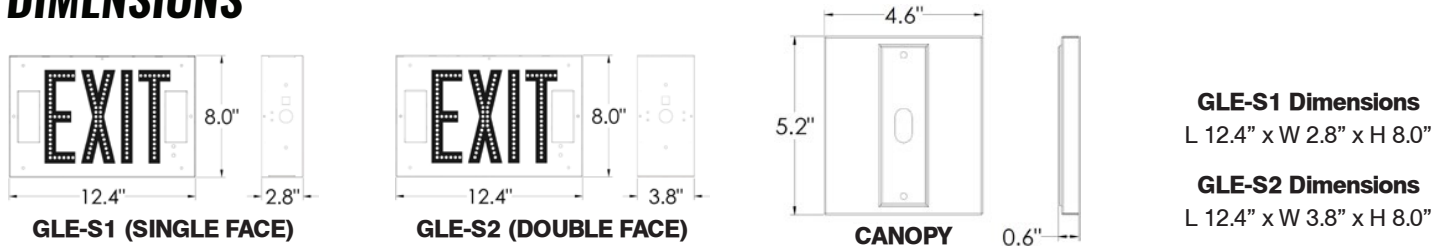
<sup>4</sup> Order as separate line item

## WEIGHT

Model	Packaging (lbs)	Unit (lbs)	Total (lbs)
GLE-S1-LB-BL	1.1	4.6	5.8
GLE-S1-WB-BL	1.1	5.2	6.3
GLE-S1-WB-BL-G1	1.2	5.9	7.2
GLE-S2-LB-BL	1.1	6	7.1
GLE-S2-WB-BL	1.1	6.6	7.7
GLE-S2-WB-BL-G1	1.6	7.3	8.9

\* Consult factory for details on other models.

## DIMENSIONS



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## CONSTRUCTION

Our specification grade GLE-S series enclosure, faceplate, and mounting canopy are 20 gauge galvanized steel with powder coat paint. Faceplate has 3/4" green letters with True Green LEDs. 1/8" polycarbonate shield protects LEDs from impact.

## ILLUMINATION

Illumination of the GLE-S series is accomplished utilizing high-intensity, long-life LEDs exceeding UL 924 requirements for brightness and uniformity. LEDs provide excellent, even illumination while maximizing energy efficiency. LEDs are a maintenance-free solution, providing up to 100,000 hours of use without failure.

## ELECTRICAL

Dual-voltage input 120 or 277VAC @ 50/60Hz.

## NICKEL-METAL HYDRIDE - NiMH (STANDARD)

Growlite NiMH batteries are maintenance-free and perform optimally in temperatures ranging from 32°F to 104°F (0°C to 40°C).

## LEAD CALCIUM BATTERY (G1 OPTION)

Growlite lead calcium batteries are maintenance-free and perform optimally in temperatures ranging from 59°F to 104°F (15°C to 40°C).

## BROWNOUT CIRCUIT

Brownout circuit monitors the line voltage, as the line voltage sags and can no longer illuminate the exit sign to meet UL 924 visibility test, the emergency circuit will turn on to supply a portion or all the power to illuminate the sign for a minimum of 90 minutes until the line voltage is restored.

## LOW VOLTAGE DISCONNECT

Low Voltage Disconnect (LVD) measures the battery terminal voltage. The LVD continuously monitors the battery terminal voltage and if it should fall below a preset voltage threshold, the LVD will disconnect the load. When the battery is recharging and voltage is raised above another preset voltage threshold, the load is automatically reconnected.

## SOLID-STATE TRANSFER

The circuit features Solid-state switching for emergency lamps, eliminating concerns of damaged contact or mechanical failures associated with relays. The switching circuit detects a loss of line voltage and automatically switches to emergency mode.

## TEST BUTTON

The test button is easy to locate and provides manual verification of the transfer circuit and emergency lamps.

## INSTALLATION

Installs in minutes with easy-to-read instructions and detailed diagrams. No special hardware or tools necessary. Internally housed components and battery eliminate the use of a canopy when wall mounting single faced exits. Mounting canopy included.

## OPTIONS

### Guardian Self-Diagnostics (Option: G1)

The Guardian circuit continuously monitors the operating condition of the battery charging circuit and battery supply voltage. 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 remain in this state until the fault is corrected.

## CONFORMANCE TO CODES & STANDARDS

The GLE-S Series is UL 924 Listed and meets or exceeds the NEC requirements as well as NFPA 101.



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