

Type No. \_\_\_\_\_  
 Job Name \_\_\_\_\_  
 Catalog No. \_\_\_\_\_



Shown: G306G2H126B



Operates installed and remote:  
**Exit Signs**

**Lamp Heads**



### Housing

- 20 gauge steel enclosure and door with gray epoxy powder coat finish
- Provisions for mounting lamps up to three lamp heads

### Electronics

- 120/277 VAC dual voltage input capability
- 6 or 12 volt units providing from 28 to 200 watts
- LightGuard's high performance, temperature compensated, solid-state charger restores battery to full charge within UL 924 requirements
- Brownout protection activates lights when AC voltage drops 20% below nominal
- Indication lamp confirms AC input, and low or high charge rate activity.
- Labor saving AC lockout feature
- Low voltage disconnect prevents deep battery discharge
- Controls include "Press-to-Test" switch and AC "On"/Battery Ready. Some units also include Fast Charge Rate indicator light
- Voltmeter optional

### Electrical Specifications

120 VAC - .54 amps, 65 watts  
 277 VAC - .23 amps, 65 watts

### Warranty

Electronics: 3 years  
 Battery: 1 year full, 4 years pro-rata

# GLC Series

- **Heavy Duty Emergency with Steel Housing**
- **6 Volt, 28 - 100 Watts**  
**12 Volt, 56 - 200 Watts**
- **Maintenance Free, Sealed Lead Calcium Battery**

### Battery

- 6 and 12 volt units include maintenance free, sealed lead calcium batteries
- Model G24012G uses a 12 volt maintenance free, sealed lead calcium battery
- Optimum operating range for sealed lead calcium batteries is 65°F (19°C) to 85°F (30°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 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.

### Application

- Commercial, institutional and industrial locations with normal ambient temperatures where an emergency lighting unit with remote fixture capability is desired

### Code Compliance

- UL 924 listed
- NFPA 101, NEC, BOCA, OSHA, and IBC illumination standards

### Operation

Model	Sugg. Head	AC Input		DC Voltage	Watts to 87½ of Rated Voltage <sup>++</sup>			
		Voltage	Wattage <sup>+</sup>		1½ hrs.	2 hrs.	4 hrs.	8hrs.
<b>G306G</b>	H126B	120/277	10	6	28	21	13.5	--
<b>G606G</b>	H126B	120/277	45	6	56	42	27	9.5
<b>G1206G</b>	H126B	120/277	45	6	100	75	48	17
<b>G6012G</b>	H1212B	120/277	35	12	56	42	27	9.5
<b>G7012G</b>	H1212B	120/277	40	12	72	54	34.5	12
<b>G12012G</b>	H1212B	120/277	65	12	100	75	48	17
<b>G24012G</b>	H1212B	120/277	65	12	200	150	96	34

+ Based on high rate charge after power loss    ++ Per NEC Specifications

## Ordering Information

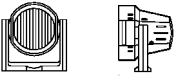
MODEL	# OF HEADS	LAMP HEAD TYPE	OPTIONS <sup>1</sup>	ACCESSORIES (Ordered Separately)
<b>G306G</b> = 6 Volt, 28 Watt, Gray <b>G606G</b> = 6 Volt, 56 Watt, Gray <b>G1206G</b> = 6 Volt, 100 Watt, Gray <b>G6012G</b> = 12 Volt, 56 Watt, Gray <b>G7012G</b> = 12 Volt, 72 Watt, Gray <b>G12012G</b> = 12 Volt, 100 Watt, Gray <b>G24012G</b> = 12 Volt, 200 Watt, Gray	<b>3</b> = Three <b>2</b> = Two <b>1</b> = One <b>Blank</b> = No lamp heads	See lamp head selection chart below -- for additional heads, refer to the Accessories section of the LightGuard specification binder	<b>EX</b> = Special Input Transformer <sup>1</sup> (Specify voltage & frequency) <b>OT</b> = OmniTest Self-Diagnostics <b>OTTD</b> = OmniTest w/ Time Delay <sup>3</sup> <b>ACP1</b> = 120 VAC Power Switch <b>ACP2</b> = 277 VAC Power Switch <b>TD1</b> = 120 VAC Time Delay <sup>2, 3</sup> <b>TD2</b> = 277 VAC Time Delay <sup>2, 3</sup> <b>V</b> = Voltmeter <sup>2</sup> <b>A</b> = Ammeter <sup>2</sup> <b>ACF1</b> = 120 VAC Input Fuse <b>ACF2</b> = 277 VAC Input Fuse	<b>WG</b> = Wire Guard Large Cabinet <b>WG5</b> = Wire Guard Small Cabinet <b>MBBG</b> = Mounting Bracket (G24012G only) <b>MJSHELFG</b> = Mounting Shelf (Not available on G24012G) <b>URT612</b> = Universal Remote Test <sup>2</sup> (URT)

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

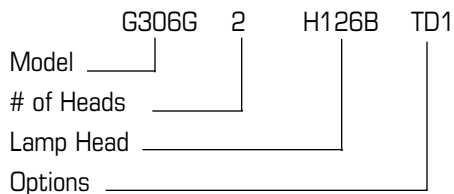
## Lamp Head Selection

LightGuard's H-Head is the suggested head for the GLC Series. The H-Head is constructed of high impact polycarbonate, and is offered in black to complement the housing of the GLC Series. The H-Head features dual-axis swivel mount and is available with 6 or 12 volt halogen lamps.

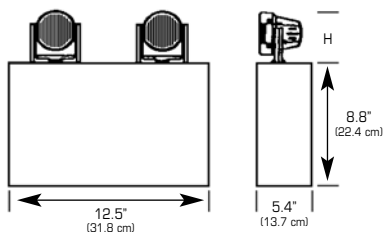
LightGuard offers other lamp heads that can be used with the GLC Series. For lamp head details, please refer the Accessories section of the LightGuard specification binder.

HEAD TYPE	DC VOLTAGE	DC WATTAGE	ORDER CODE
H-Head, Thermoplastic 	6 VOLT HALOGEN	7 watt 12 watt	<b>Black</b> <b>H76B</b> <b>H126B</b>
	12 VOLT HALOGEN	12 watt	<b>H1212B</b>

## Ordering Example

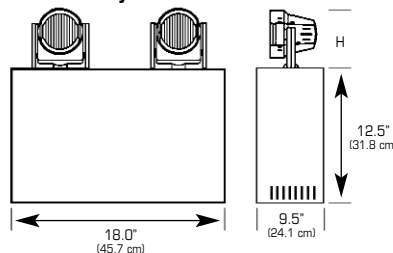


## Dimensions



Lamp Head	Height (H)
H	3.5" (8.9 cm)
X	6.25" (15.9 cm)
J	5.0" (12.7 cm)
D	6.0" (15.2 cm)

G24012G only



Model	Weight
G306G	12 lbs. (5.4 kg)
G606G	17 lbs. (7.7 kg)
G1206G	27 lbs. (12.2 kg)
G6012G	17 lbs. (7.7 kg)
G12012G	27 lbs. (12.2 kg)
G24012G	49 lbs. (22.2 kg)

Dimensions are approximate and subject to change.

## Suggested Specification

Furnish and install LightGuard emergency lighting model \_\_\_\_\_. The unit shall be listed to Underwriters Laboratories, Inc. Standard #924 and shall meet the standards of the National Electrical Code (NEC).

**INSTALLATION / OPERATION** - Unit 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. Upon restoration of utility power, the charger shall restore the battery to full charge within UL 924 requirements following a rated discharge of not more than 90 minutes.

**CHARGER** - G306/G6012 chargers shall be solid-state, full wave, constant voltage, current limited design. G606/G1206/G12012/G24012 chargers shall be solid-state, SCR controlled, full wave and current limited and utilize a pulse current charge to extend battery life. It shall include temperature compensation for temperature variations from 77°F. Components shall operate at less than 50% of their rating to ensure reliability and long life. All chargers shall maintain the battery at full capacity without the need for periodic exercising or equalizing and include the following standard features. Low Voltage Disconnect (LVD), Brownout Protection, AC Lockout.

**BATTERY** - The battery shall be maintenance free, sealed lead calcium.

**HOUSING** - The enclosure and door shall be constructed of 20 gauge steel with a gray epoxy powder coat finish. The enclosure shall have provisions for mounting lamps on the top or side of enclosure.

**CONTROLS** - The unit shall include a "Press-to-Test" switch and AC "On"/Battery Ready. Fast Charge Rate indicator light shall be included on select units. Voltmeter, Time Delay and Line Cord shall be optional.

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



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