## Description

The Edwards Triliptical Stackable Beacon Lighting System is a unique audible-visual signaling device that can contain up to 5 light modules and either a single or multiple tone module in a single "stack."

All components of the Triliptical Stackable Beacon Lighting System are UL and cUL listed subassemblies. The units, when assembled, are UL and cUL listed for indoor and outdoor applications and CSA certified. The enclosures are NEMA 3R, 4X and IP65 rated. CE Marked Visual Signal.

Each light source module contains a removable cover to allow for easy relamping. The light module cover features a molded-in gasket for dust tight reliability.

⚠ **WARNING**

**To prevent electrical shock, do not connect power until instructed to do so.**

## Installation

Installation must be in accordance with local codes.

1. Assemble the stackable beacon lighting system (Figure 1).

    a. Loosen captive screws and remove cover of affected lens module.

    b. Insert the appropriate light source into board grooves at bottom of lens ensuring that the four prongs on the PC board are aligned with the plug located in the back of the lens assembly.

*NOTE:* *When using LED light sources, ensure that the color of the LED light source and the color of the lens assembly match.*

⚠ **WARNING**

**To prevent leakage, ensure the magnifier ring on the lens cover and the magnifier ring on the lens module are aligned (Figure 1).**

    c. Place the lens module cover on the front of the lens module and secure using two captive screws.

    d. Repeat steps a through c for any remaining modules (up to 5).

    e. Once the last module has been assembled, place the cap on top and secure the cap with the captive screw.

2. Apply power to the unit and verify proper operation.

*NOTE:* *For further installation details, see the instructions supplied with the lens modules, P/N 3100700, or the instructions supplied with the base, P/N 3100669.*

## Maintenance

⚠ **WARNING**

**To prevent electrical shock, disconnect power to all modules. Wait 5 minutes for stored energy in strobe modules to dissipate working on unit.**

*Light Source Replacement*

1. Loosen captive screws and remove cover of affected lens module.

2. Remove the light source assembly from the lens module.

3. Install new light source assembly ensuring that the four prongs on the PC board are aligned with the plug located in the back of the lens module.

⚠ **WARNING**

**To prevent leakage, ensure the magnifier ring on the lens cover and the magnifier ring on the lens module are aligned (Figure 1).**

4. Replace lens cover and secure using two captive screws.

*Cleaning*

The lens surfaces should be periodically dusted and cleaned with a dry soft clean cloth to maintain optimum light visibility. If necessary, the outside of the lens may be cleaned with water and a mild detergent on a well rung out soft clean cloth.
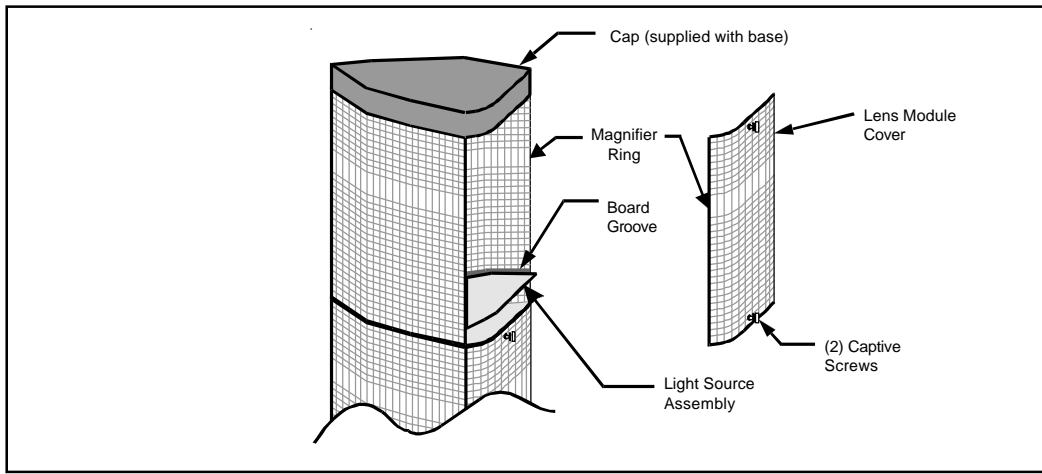
Figure 1.  Assembling the Stackable Beacon Lighting System

Table 1.  Specifications

| Catalog No. | Electrical Ratings | Lamp Ratings | Replacement Lamp | Lamp Life (hours) Calculated# | Projected## |
|---|---|---|---|---|---|
| **Light Sources** | | | | | |
| 102LS-SINH-G1 | 24V DC, 0.32A | 9 Watts, 52 Lumens | 50LMP-9WH or Ind. Trade 303** | 12,000 | -- |
| 102LS-SINH-N5 | 120V AC, 0.11A | 12 Watts, 70 Lumens | 50LMP-12WH | 20,000 | -- |
| 102LS-SIN-G1 | 24V DC, 0.32A | 10 Watts | Ind. Trade 303 | 10,000 | -- |
| 102LS-SIN-N5 | 120V AC, 0.08A | 10 Watts | 50LMP-10W | 2,500 | -- |
| 102LS-FINH-G1 | 24V DC, 0.32A | 9 Watts | 50LMP-9WH or Ind. Trade 303** | 12,000 | 15,000 |
| 102LS-FINH-N5 | 120V AC, 0.11A | 12 Watts | 50LMP-12WH | 20,000 | 25,000 |
| 102LS-FIN-G1 | 24V DC, 0.32A | 10 Watts | Ind. Trade 303 | 10,000 | 12,500 |
| 102LS-FIN-N5 | 120V AC, 0.08A | 10 Watts | 50LMP-10W | 2,500 | 3,000 |
| 102LS-ST-G1 | 24V DC, 0.30A | 3 Joule Strobe | -- | 3,000### | -- |
| 102LS-ST-N5 | 120V AC, 0.12A | 3 Joule Strobe | -- | 3,000### | -- |
| 102LS-SLEDA-G1* 102LS-SLEDB-G1* 102LS-SLEDG-G1* 102LS-SLEDR-G1* | 24V DC, 0.062A | -- | N/A | 100,000 | -- |
| 102LS-SLEDA-N5* 102LS-SLEDB-N5* 102LS-SLEDG-N5* 102LS-SLEDR-N5* | 120V AC, 0.022A | -- | N/A | 100,000 | -- |
| 102LS-FLEDA-G1* 102LS-FLEDB-G1* 102LS-FLEDG-G1* 102LS-FLEDR-G1* | 24V DC, 0.062A | -- | N/A | 100,000 | -- |
| 102LS-FLEDA-N5* 102LS-FLEDB-N5* 102LS-FLEDG-N5* 102LS-FLEDR-N5* | 120V AC, 0.022A | -- | N/A | 100,000 | -- |

*Signifies lens and LED module color (A - amber, B - blue, G - green, R - red)  **NOTE:** *LED light sources must be used with the corresponding color lens module (e.g., a blue LED light source, 102LS-SLEDB-N5, must be used with a blue lens, 102LM-B).*
**A non-halogen lamp, as listed, may be used in place of the halogen lamp.
#At nominal operating voltage.
##Projected lamp life based on manufacturer's calculated lamp life @ 65 fpm and 50% duty cycle.
###Strobe tube life @ operating power to 75% efficiency.