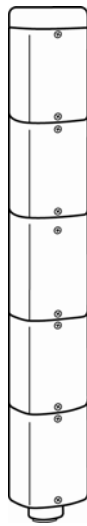


102 Series Trilipical Stackable Beacon Lighting System Light Sources Installation Sheet



Description / Operation

The Edwards Trilipical 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 Trilipical Stackable Beacon Lighting System are UL and cUL listed subassemblies. The units, when assembled, are UL and cUL listed for indoor and outdoor applications.

The enclosures are NEMA 3R, 4X, and IP65 rated. 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.

Installation

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

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 before 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.

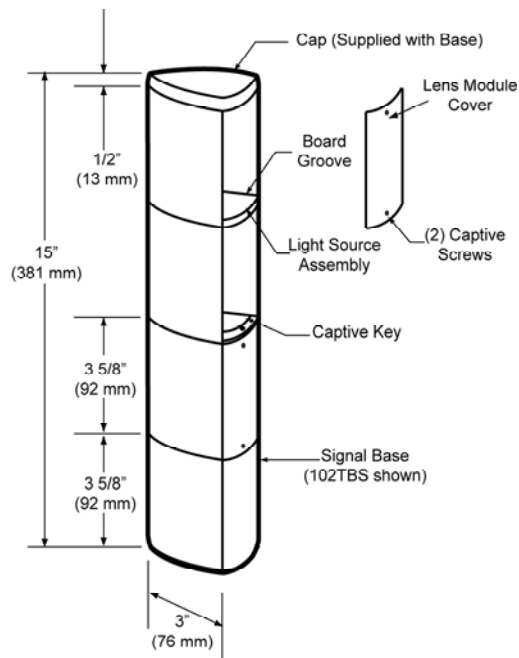
WARNING: To prevent leakage, ensure the magnifier ring on the lens cover and the magnifier ring on the lens module are aligned (Figure 1).

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



Specifications

Voltage	24 VDC (-G1)	120 VAC (-N5)
Current		
Light Modules		
102LS-SINH	0.32 A	0.11 A
102LS-SIN	0.32 A	0.08 A
102LS-FINH	0.32 A	0.11 A
102LS-FIN	0.32 A	0.08 A
102LS-ST	0.30 A	0.30 A
102LS-SLED	0.062 A	0.022 A
102LS-FLED	0.062 A	0.022 A
Replacement Lamp		
102LS-SINH	50LMP-9WH**	50LMP-12WH
102LS-SIN	Ind. Trade 303	50LMP-10W
102LS-FINH	50LMP-9WH**	50LMP-12WH
102LS-FIN	Ind. Trade 303	50LMP-10W

*Currents shown are for a stackable indicator with 5 light modules.

**A non-halogen lamp, Ind. Trade 303, may be used in place of the halogen lamp.

Regulatory information

Edwards Signaling Edwards, A Division of UTC Fire & Security Americas Corporation, Inc.
8985 Town Center Parkway, Bradenton, FL 34202, USA

Table 1: Lamp Life (Hours)

Light Source	Calculated*	Projected**
102LS-SINH-G1	12,000	--
102LS-SINH-N5	20,000	--
102LS-SIN-G1	10,000	--
102LS-SIN-N5	2,500	--
102LS-FINH-G1	12,000	15,000
102LS-FINH-N5	20,000	25,000
102LS-FIN-G1	10,000	12,500
102LS-FIN-N5	2,500	3,000
102LS-ST-G1	3,000***	--
102LS-ST-N5		
102LS-SLED	100,000	--
102LS-FLED		

*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.

Table 2: Part numbers

Catalog Number	Description
102LS-SINH-G1	Light module, steady-on, 9W halogen
102LS-SINH-N5	Light module, steady-on, 12W halogen
102LS-SIN-G1	Light module, steady-on, 10W incandescent
102LS-SIN-N5	
102LS-FINH-G1	Light module, flashing, 9W halogen
102LS-FINH-N5	Light module, flashing, 12W halogen
102LS-FIN-G1	Light module, flashing, 10W incandescent
102LS-FIN-N5	
102LS-ST-G1	Light module, 3 Joule strobe
102LS-ST-N5	
102LS-SLED**-G1	Light module, steady-on LED
102LS-SLED**-N5	
102LS-FLED**-G1	Light module, flashing LED
102LS-FLED**-N5	
102MP-4	Optional Extension Pipe, 4 in.
102MP-10	Optional Extension Pipe, 10 in.
102MP-15	Optional Extension Pipe, 15 in.

*Signifies lens module color (A – amber/orange, B – blue, C – clear, G – green, R – red, Y – yellow)

**Signifies lens and LED module color (A – amber/orange, 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-G1, must be used with a blue lens, 102LM-B).

Contact information

For contact information, see www.edwardssignaling.com.

P/N 3100701 OFFSET

INSTALLATION INSTRUCTIONS FOR 102 SERIES
TRILIGHT STACKABLE STATUS INDICATOR LIGHT SOURCES

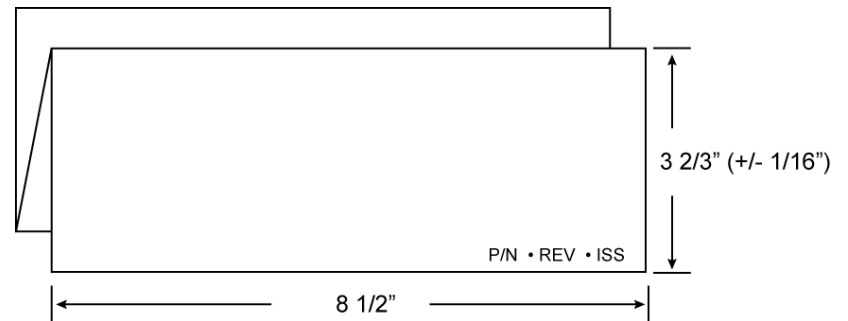
(1) 8 1/2" x 11" SHEET PRINTED BOTH SIDES. FOLD TWO TIMES TO
DIMENSIONS SHOWN ON DETAIL WITH PART NUMBER ON THE OUTSIDE.

MATERIAL: STANDARD WHITE OFFSET STOCK

CHARACTERS TO BE BLACK ON WHITE BACKGROUND

NOTE: MECHANICALS HAVE ALREADY BEEN REDUCED TO ACTUAL SIZE.

RETURN MECHANICALS TO:
TECHNICAL WRITING
EDWARDS SIGNALING
41 WOODFORD AVENUE
PLAINVILLE, CT 06062



ECN: 09-C1917

ISSUE: 03

FILE: 3100700

APPROVED BY: DVG