

# **GRAND EFFECTS**

## **Light Bar**

**INSTALLATION GUIDE  
OPERATING AND MAINTENANCE INSTRUCTIONS**

This manual should remain with the homeowner or parties responsible for operation.

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**Specification:**

Electrical:

Supply Voltage      12Vac

Watts                      5 w

**Regulatory Standards:**

ETL tested to: UL2108,CSA C22.2#250.0 (Canadian) Listed Component

**IMPORTANT SAFETY INSTRUCTIONS:**

1. Save these Instructions.
2. Read and follow all safety instructions carefully.
3. This product must be installed in accordance with applicable installation code by a person familiar with the construction and operation of the product and hazards involved.

**1.0 Installation**

**Warning: This unit is for outdoor use only**

Install the Grand Effects Fire-Water Bowl or Water Plantier per Grand Effects Installation Guide. Low voltage wiring (12,14 or 16 Ga.) 12Vac shall be installed under ground in conduit between Grand Effects Power Supply and each Light Bar. When using an Automated Fire and Water Bowl, wiring for the Light Bar can share the same conduit with low voltage wiring for the Grand Effects Automated Burner System. When installing the Light Bar with Water Plantier, it is important not to bury the Light Driver under dirt. The Light Driver should remain on top of the planting soil.

Wire per Grand Effects wiring diagram. 120v source into Power Supply can come from any 120v source, including any auxiliary relay from pool controller or home system. Typically, the pool controller is what turns the unit On/Off. If a pool controller is not available, Grand Effects can provide a hand held remote or an electrician can wire a decorative switch for On/Off control upstream of the Grand Effects Power Supply.

- 1.1 With waterproof wire nuts, connect wires from Power Supply and Light Driver. Confirm that the Voltage going into the Light Driver inside the bowl is less than 12VAC and not greater than 12 VAC.
- 1.2 Remove the blue protective film located on each burner.
- 1.3 Adjust each light bar so that it angled to point light source below at pool surface where water puddles. (See Figure 1.)

## 2.0 Color Wheel Setup

When power is applied to the Light Driver, the default lighting mode is a scrolling color wheel.

The Light Bar is fitted with a color lock feature and utilizes a power switch cycle method to select the desired color effect for your light and requires no external interface to operate. It utilizes low power long life LED to provide (6) fixed color and (2) color effects.

Mode 1: Color Change (Sequences all the colors)

Mode 2: White

Mode 3: Blue

Mode 4: Green

Mode 5: Red

Mode 6: Amber

Mode 7: Purple

Mode 8: Disco

When the power switch is initially turned on the Light Driver will be in the color change mode. To advance to the next color mode, turn the switch in the Grand Effects Power Supply Off, then On within 1.5 seconds for each color mode change, advance until you select the required color mode.

## 3.0 Operation

Once Light Bar is in the desired color mode:

- 1) Turn power to Light Bar On/Off with Pool Controller

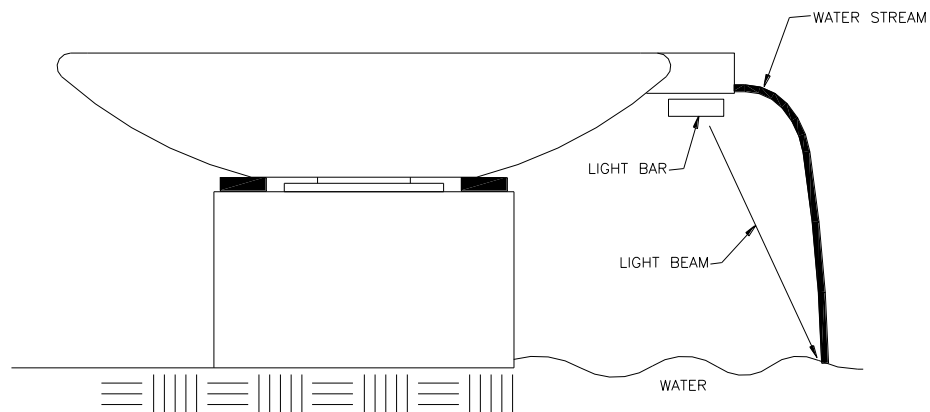


Fig. 1

## **Grand Effects 1 year Limited Warranty**

Grand Effects will replace, at its expense, any unit, which in normal use, has proven to be defective in workmanship or material, provided that the customer returns the product prepaid to Grand Effects with proof of product within one year and provides Grand Effects with reasonable opportunity to verify the alleged defect by inspection. Grand Effects will not be responsible for any asserted defect, which has resulted from misuse, abuse, repair or alteration. Under no circumstances will Grand Effects be liable for incidental or consequential damage resulting from defective products. This warranty is Grand Effects' sole warranty and sets forth the customer's exclusive remedy, with respect to defective products, all other warranties, expressed or implied, whether of merchantability, fitness for purpose or otherwise, are expressly disclaimed by Grand Effects. Grand Effects is not responsible for any injury or mishap related to misuse, abuse or lack of judgment choosing fire display locations.



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