

## MikeLite 2.3

### Introduction

Thank you for choosing the MikeLite 2.3. The MikeLite uses state of the art solid state circuitry which greatly outperforms standard incandescent lamp technology. The battery life is many times longer and lamp life is 10,000 to 100,000 hours and usually never requires replacing.

The MikeLite 2.3 will drive six high intensity LEDs at peak intensity for over 12 hours using alkaline batteries. To save battery life, the MikeLite 2.3 can also be powered by a 12-volt wall transformer (included) where 115 volt power is available.

The MikeLite 2.3 uses Type-A Illuminators.

The MikeLite 2.3 is ideal for field dissecting microscopes and other applications such as tool lighting, automotive, or anywhere a remote light source is needed. It is also well-suited for indoor lab use when used with the 12-volt wall transformer.

### Instructions

#### Turning on the unit

1. Insert up to two Type-A illuminators into RCA jacks on the top of the MikeLite 2.3.
2. To turn on the MikeLite, press and hold down the “Bright” switch for three seconds. Hold the switch down for an additional three seconds to bring the illuminators to full intensity.
3. To turn off the unit, push the “Dim” switch until the illuminator turns off.

#### Changing the Batteries

When the red light blinks on the front of the MikeLite, about 1½ hours of battery life remain.

To change the batteries:

1. Remove the black phillips screw on the bottom center of the MikeLite and remove the top cover to expose the batteries.
2. Remove the batteries from the battery clips and replace with new alkaline or Nicad batteries. **Be sure to observe the polarity. Damage to the unit will occur if the batteries are put in backwards.**

#### Using the Wall Transformer

The MikeLite 2.3 can be operated with the 12-volt DC line transformer (included) to save battery life when used in the lab. Plug the wall transformer into any 115 volt outlet and attach the line cord into the receptacle on the right side of the MikeLite. When used with the 12-volt power source the batteries will last approximately 300 hours. Rechargeable Nicad batteries will **not** recharge when powering the MikeLite with the 12-volt DC wall transformer.

#### Auto Turn-Off

If the light has been on continuously for 60 minutes it will automatically shut off to save battery life. Push the “Bright” switch to turn it back on.

#### Water Damage

The MikeLite 2.3 is not waterproof. In damp weather, it is a good idea to put a plastic bag around the power source to keep the switches and circuit board dry. The switches can be operated through a plastic bag. If the unit gets soaked with fresh water, it is a good idea to remove all screws on the bottom side of the case, remove the cover and batteries and carefully blow off the circuit board with compressed air or let it air dry.

Be especially careful around salt water. Salt on the circuit board and switches will often cause unrepairable damage. If salt water does get into the unit, remove the circuit board, wet both sides with distilled water, gently scrubbing them with a tooth brush and give them a final distilled water rinse. Avoid wetting the switches. Blow the unit off with compressed air, or air dry and reassemble the unit.

## SPECIFICATIONS

<b>Model Number</b>	<b>ML-2.3</b>
Weight	6.2 oz, 169 g
Dimensions	Length 3.72" (95mm), Width 2.4" (60mm), Height 1" (25mm)
Output Jack Type	Female, RCA
Output Current	30mA max. per jack
Number of Illuminator Jacks	2
Type of Gooseneck Illuminators Supported	All models except for type-L illuminators
Switches	Two, push button, variable intensity
Power Source	4 AA alkaline batteries (included) or 115 volt DC wall transformer (included)
Battery Life	11 hrs at peak intensity with two triple LED illuminators
Environmental	Ambient temperature: 32-95 degrees F.
Relative humidity	0-90% non-condensing
Licensing	Patent pending

### Warranty

Sea Life Supply warrants its products for parts and labor for a period of one year from the date of shipment. This covers normal use of the equipment only. Any use other than that intended, misuse, abuse, or customer modification will void this warranty.

Sea Life Supply, at its option, will repair or replace equipment failed because of defects in either workmanship or parts. Shipping to and from the factory will be at the customer's expense. Under no circumstances will Sea Life Supply be responsible for any incidental damage or expense resulting from the use of the equipment covered by this warranty.

### Specific Exclusions

The following events specifically void the warranty.

1. Splashing with or immersion in water
2. Operation in relative humidity above 90%
3. Damage to the circuit board due to condensation
4. Service by unauthorized persons

## *MikeLite 2.3 Manual*



*(Shown with Type-A Illuminators)*



**740 Tioga Avenue, Sand City, CA 93955**  
**TEL (831) 394-0828 • FAX 831-899-3399**  
**www.sealifesupply.com or www.mikelite.com**