

MikeLite 2

Introduction

Thank you for choosing the MikeLite 2. The MikeLite 2 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 more than 50,000 hours and usually never requires replacing.

The MikeLite 2 will drive two high intensity Type-L illuminators (each operating at 20 lumens) at peak intensity for over 10 hours and will operate at lower intensity even longer.

The MikeLite 2 was designed for field microscopes but is also useful for any application requiring high-intensity portable lighting.

Instructions

The MikeLite 2 uses Type-L Illuminators only. Triple LED SuperFlex Illuminators cannot be used.

Turning on the unit

1. Insert one or two Type-L illuminators into RCA jacks on the top of the control unit.
2. Press and hold down the “Bright” switch to turn on the illuminator(s) and bring them to full intensity.
3. To turn off the unit, press and hold down the “Dim” switch until the illuminators turn off.

Changing the Batteries

1. Remove the black phillips screw in the center of the bottom cover and lift off the cover to expose the batteries.
2. Remove the batteries from the battery clips and replace with new batteries. Be sure to observe the polarity. Reversing the batteries will damage the unit.

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 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, remove all screws on the bottom side of the case, remove the cover, batteries and circuit board 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 will often cause irreparable damage. If salt water does get into the unit, remove the circuit board, wet both sides with distilled water, scrub 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.

Maintenance of MikeLite and Type-L Illuminators

The ML-350-2 is splash-resistant when two illuminators are attached to the control unit. When only one illuminator is attached, water can run down the RCA receptacle and damage the printed circuit board. Placing a piece of tape across the receptacle hole will prevent this from happening.

Type-L illuminators are splash-resistant. If accidentally immersed in water, unscrew the lens retention ring, remove the lens and dry off all parts. **DO NOT TOUCH THE LED OR ATTACHING WIRES** or damage to the LED may occur. If immersed in saltwater, rinse off the retention ring and threads on the housing. Let parts air dry and reassemble.

MikeLite 2 Specifications

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| Model Number | ML-2 |
| 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 | 130mA max. |
| Number of Illuminator Jacks | 2 |
| Type of Gooseneck Illuminators Supported | Uses type-L illuminators only |
| Switches | Two, push button, variable intensity |
| Power Source | 4 AA alkaline batteries |
| Battery Life | 10 hrs at peak intensity with two type-L 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. Damage to the circuit board due to condensation
3. Service by unauthorized persons

MikeLite 2 Manual



(Shown with Type-L Illuminators)



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