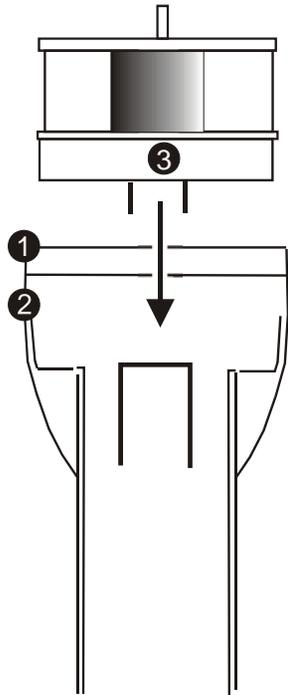


# TerraLUX® TLE-300MR LED Upgrade/Bulb Replacement for Mag Instruments® \* Rechargeable Flashlights- Patents Pending

## Instructions



**Step 1.** Remove the front bezel of the flashlight containing the plastic lens by turning counter-clockwise and set aside. Remove the lens and it's O-ring, the reflector, and the incandescent bulb. You will not need the reflector, bulb and lens/O-ring assembly, but may wish to keep them for future use.

**Step 2.** Push the open head of the flashlight down until the bulb socket is exposed.

**Step 3.** Plug the TLE-300MR into the open two-pin socket. Check that the polarity is correct by turning on the flashlight (do not look into the light!). If it does not light, remove the unit and rotate it a half-circle and plug it back in. Next, raise the head by pulling it straight up. Replace glass lens and O-ring you removed earlier with the new O-ring and plastic lens provided. Unlike the glass, this lens will not shatter when dropped. The center "boss" of the black plastic lens holder will rub against the front lens. This is normal and helps to keep the TLE-300MR in place. Then replace the front lens assembly by turning it clockwise onto head of flashlight.

## Specifications

**Light Output:** >500 Lumens Steady State

**Run Time:** Approximately 40 minutes to half light output. Remains lit in "Moon Mode" for many hours.

**Power Consumption:** Approximately 12 Watts, 90% Electrical Efficiency

**Operating Voltage:** Up to 12 VDC

**Optics:** >90% Efficient TIR Optics or Parabolic Reflectors-Fixed Focus 8.4 degree beam angle.

**Other Features:** Built in Over-Temperature Protection, reverse polarity protection

**Recommended Power Sources:** NiCd, NiMH or Rechargeable batteries.

**Electronics:** Highly Regulated DC-DC Converter

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