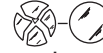


# IMPORTANT INSTRUCTIONS

For Installation LS345: MH, UNDERWATER



**Warning:** The Luminaire should only be used complete with its protective shield (cover)  
To avoid potential unsafe lamp failure, the luminaire should be switched off at least once a week



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**WARNING** If cable damaged replace with cable supplied by LUMASCOPE only.  
DO NOT SHORTEN, INTERFERE OR DISCONNECT CABLE FROM FITTING. WARRANTY WILL BE VOID IF CABLE ASSEMBLY IS TAMPERED WITH.

**1**

**Locate Fixtures**  
Site fixture in proximity to cabling. Use discretion in locating fixtures as glass can become very hot and may burn.

**2**

**Mount Bracket to Fixture**  
Mount bracket supplied to fixture using the M10 dome nuts and washers as shown

**3**

**Mount Fixture**  
Mount fixture to secure surface. Orientate fixture as required and tighten nuts

**4**

**Connect Supply**  
Connect fixture to supply cable according to local wiring rules.

**5**

**Insert Lamp**  
Check lamp WATTAGE, VOLTAGE, and TYPE, and insert into lampholder (refer to lamp manufacturers documentation for handling precautions).

**6**

**Adjust Gimbal Position.**  
Adjust the vertical position of the gimbal to minimise glare, and tighten locking screw. Rotate gimbal to desired direction and tighten locking screw.

**7**

**Test Fixture**  
Test to ensure fixture is operational. Allow to burn for 10-15 minutes to allow any moisture in fixture to evaporate.

**8**

**Seal Fixture**  
Ensure seal and sealing surface is clean. Clean glass if necessary. Tightened lid screws using the 3mm Allen key supplied. Lumascope recommends tightening in the above Torque Pattern to 2.5 - 3 N.m. DO NOT OVER TIGHTEN.

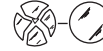


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# B IMPORTANT INSTRUCTIONS

## For Installation LS345 UNDERWATER

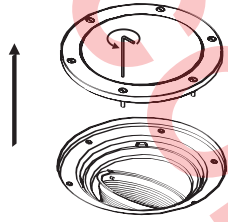
**Warning:** The Luminaire should only be used complete with its protective shield (cover)  
To avoid potential unsafe lamp failure, the luminaire should be switched off at least once a week



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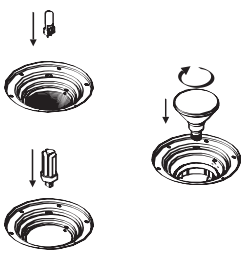
### RELAMPING

**A**



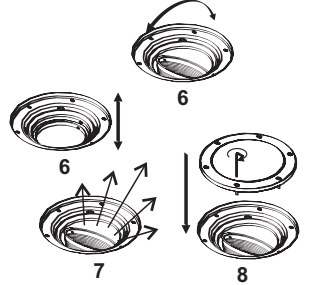
**Isolate and Open Fixture**  
Ensure the fixture is electrically isolated. Loosen the screws with the Allen Key provided. If necessary gently lever lid out with a large screwdriver.

**B**



**Replace Lamp**  
Remove old lamp and check condition of lampholder. Check new lamp WATTAGE, VOLTAGE and TYPE. Insert new lamp, (Refer installation instruction 4 over.)

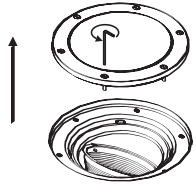
**C**



**Adjust, Aim, Test and Seal**  
If necessary, readjust and re-aim gimbal position. Test and seal fixture as per installation Instructions 6 through to 8, over.

### LAMP SOURCE CONVERSION INSTRUCTION

**1**



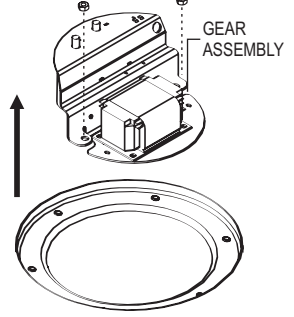
**Isolate and Open Fixture**  
Ensure the fixture is electrically isolated. Loosen the screws with the Allen Key provided. If necessary gently lever lid out with a large screwdriver.

**2**



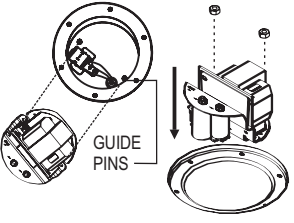
**Remove Gimbal**  
Remove gimbal by loosening the locking screw and pulling vertically.

**3**



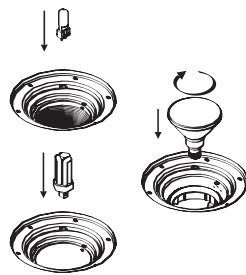
**Remove Gear Assembly**  
Remove gear assembly by pulling vertically (Note: Gear assembly may be screwed to fixture body).

**4**



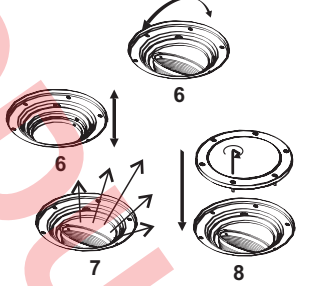
**Insert New Gear Assembly**  
Align holes in gear tray with Threaded Guide Pins in base of fixture and insert fully, fit S/S nuts to retain

**5**



**Replace Lamp**  
Remove old lamp and check condition of lampholder. Check new lamp WATTAGE, VOLTAGE and TYPE. Insert new lamp, (Refer installation instruction 4 over.)

**6**



**Adjust, Aim, Test and Seal**  
If necessary, readjust and re-aim gimbal position. Test and seal fixture as per installation instructions 6 through to 8, over.

[www.lumascope.com.au](http://www.lumascope.com.au)

## IMPORTANT SAFETY INSTRUCTIONS

### WARNING - To reduce the risk of FIRE or INJURY:

1. Luminaires and transformers to be installed by qualified installers only.
2. Luminaires to be used for intended purpose only. e.g Wall Mount fittings must be wall mounted.
3. Luminaires can become very hot. Use discretion in placement.
4. Do not touch hot lens, guard, or enclosure.
5. CAUTION - HOT SURFACE. Keep away from curtains and other combustible material.
6. Turn Off/Unplug and allow to cool before replacing lamp.
7. Keep lamp away from materials that may burn.
8. Never touch lamp with bare fingers. Oil from skin may damage lamp. Hold lamp with soft cloth when installing or replacing.
9. Do not operate the luminaires with a missing or damaged parts.
10. Replace any cracked protective shield
11. Use only lamp type, voltage and wattage as specified by Lumascope on the product label.
12. Use only genuine Lumascope parts to replace damaged or missing components.
13. Luminaires supplied with Loctite Silver Grade Anti Seize Lubricant on threads. Reapply if needed.
14. Refer to instructions for installation and operating requirements.
15. Ensure installation complies with local regulations

### SAVE THESE INSTRUCTIONS.

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