

# IMPORTANT INSTRUCTIONS

## For Adjusting/Aiming of Refractor Lens



**MODELS** LS343-22 \*\*\*\* XT \*\*\*\* Wide (VN,MH)  
 LS343-22 \*\*\*\* XP \*\*\*\* Ultra wide (VN,MH)  
 LS343-22 \*\*\*\* XQ \*\*\*\* Very Narrow (VN,MH)  
 LS343-22 \*\*\*\* XL \*\*\*\* (W, CFL)

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**WARNING:**  
 All connections must be kept dry; failure to do so may result in product reliability issues

**1**

**Open fixture and Unlock**  
 Loosen screws with allen key provided. If necessary gently lever lid out with large screwdriver. Remove components as shown. Loosen grub screw. Replace components.

**2**

**Aim fixture optics**  
 Turn fixture on. Rotate black spacer ring and lens until required result is achieved. Turn fixture off.

**3**

**Lock reflector**  
 Carefully remove lens (and secondary glass, glare shield) and tighten grub screw. Apply gentle downward pressure to black spacer ring as screw is tightened.

**4**

**Replace lens and lid**  
 Replace lens (and secondary glass, glare shield) and outer cover assembly and reseal fixture.

**NOTE**

**Additional filter**  
 Additional filters, (137mm) can be added to the fixture by retaining beneath spring clips on the top of the secondary glass holder.

**IMPORTANT**  
 For Very Narrow Refractors -

Ensure that glare shield, if supplied - VN models only, is fitted the correct way up as shown. Glare shield should seat neatly into fixture.

- Lens
- Secondary Glass Refractor Spacer
- Glare Shield
- Reflector

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

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