

## **TECHNICAL BULLETIN 05**

**PRODUCT:** Lumen Subsea Light, Lumen Subsea Light Pre-Connected Sets (LUMEN-LIGHT-R2-RP, LUMEN-PAIR-R2-RP, LUMEN-QUAD-R2-RP)

**SUBJECT:** Severe cracking in Lumen lenses.

**SUMMARY:** In mid April a number of customers reported severe cracking in Lumen lenses from recent orders shipped in mid March through early April 2021. In the majority of cases the cracking was apparent straight from the packaging, suggesting the cracks developed sometime after packaging and before customer installation and first use.

All stock was subsequently pulled from shelves for inspection by our quality assurance and engineering team.

**IDENTIFICATION:** Blue Robotics recommends inspecting all Lumens from orders shipped between March - April 2021 for cracking in the lenses. These cracks typically pass through areas adjacent to the screw holes and propagate through critical sealing areas, see figures 1 and 2 below.



Figure 1. Large crack close to screw mounting holes

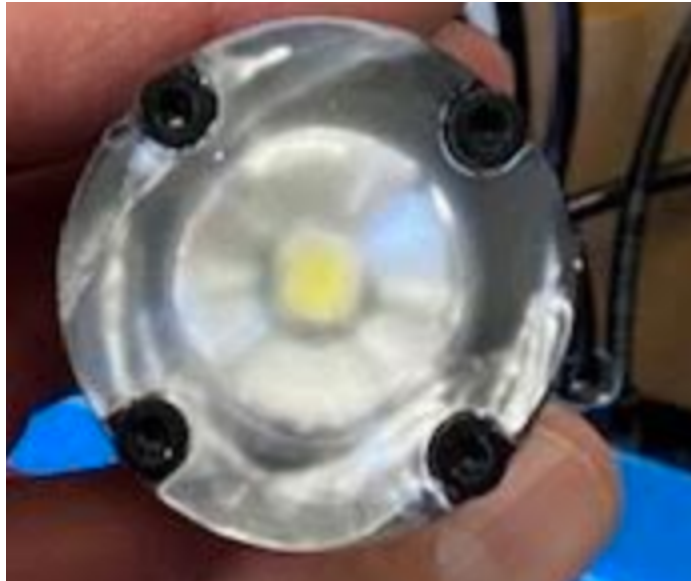


Figure 2. Cracks propagating throughout sealing areas.

**CUSTOMER ACTION:** If you have any affected lenses, please contact our support team at [support@bluerobotics.com](mailto:support@bluerobotics.com) with all available order information to receive replacement lenses.

**BLUE ROBOTICS ACTION:** After inspection of current stock it has been determined that the affected Lumens are isolated to orders shipped from March to early April 2021. Investigation is still ongoing to determine a root cause.