

MURA DEFECTS

8000series



MURA PANELS CUSED BY REFLECTOR

The problem occurs in large inches

MODEL	PCS
50PUS8009/12	30
50PUS8139/60	16
50PUS8079/12	14
50PUS8009/05	12
65PUS8959/12	12
55PUS8079/12	12

TOP TV MODELS



Types of Mura defects

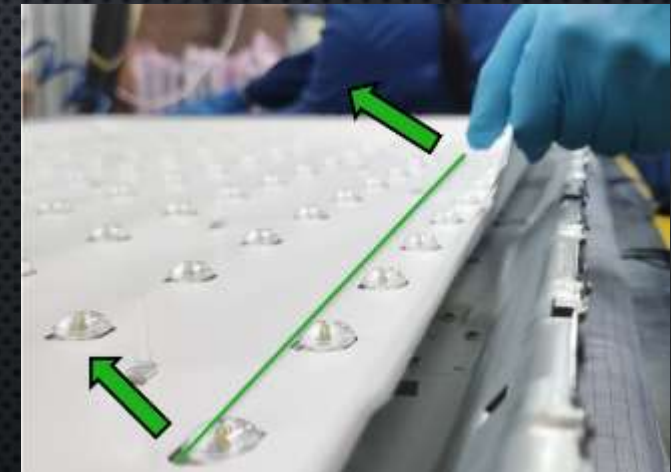
SIDE MURA

DEFECT IN SPEC

CHECK VIDEO ->

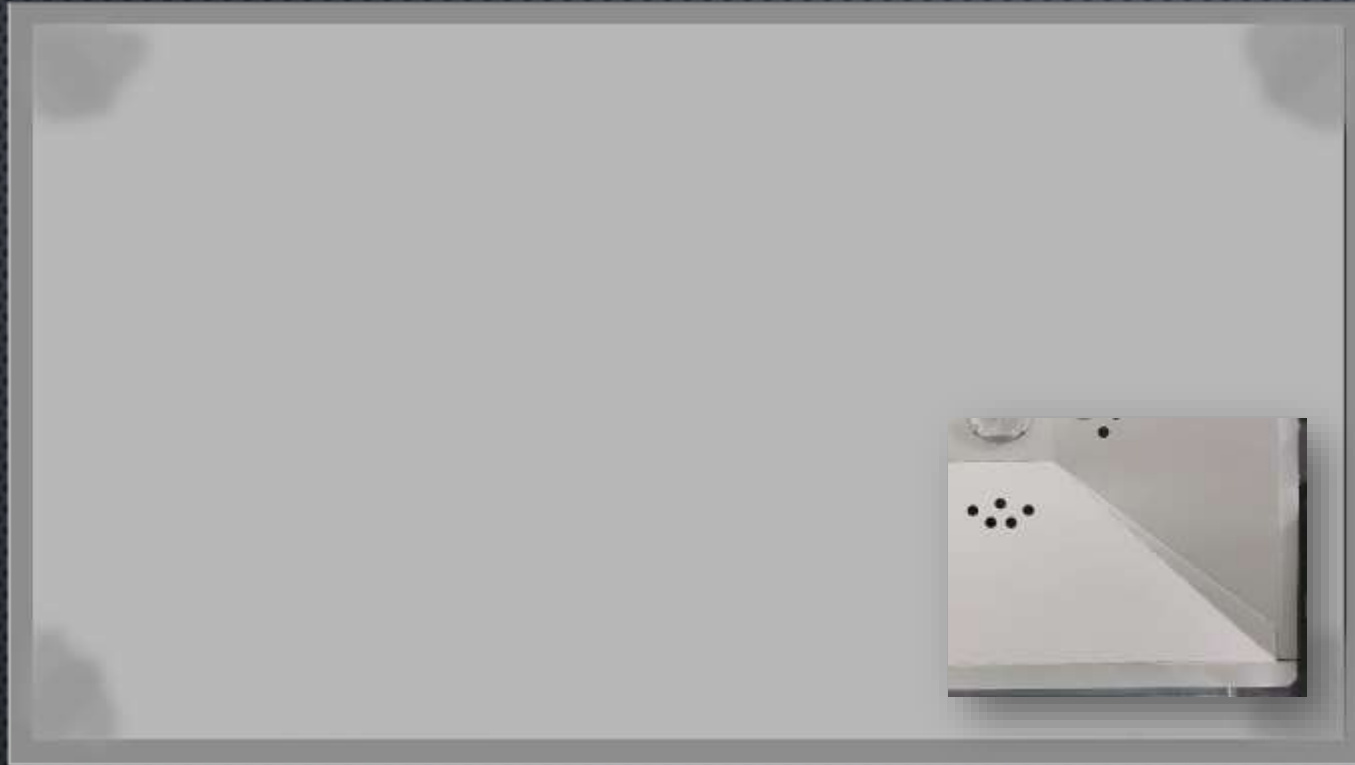
Caused By :

- Incorrectly mounted LEDs
- Incorrectly mounted headlight
- Deformed B/L
- **REPAIRABLE**



Check on 50% GRAY through a ND filter if there is a visible stain

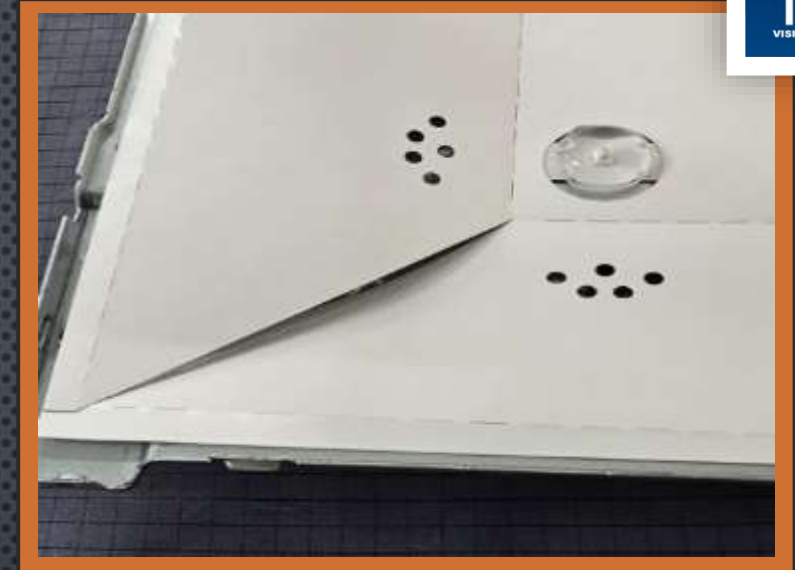
CORNER MURA



CHECK VIDEO ->

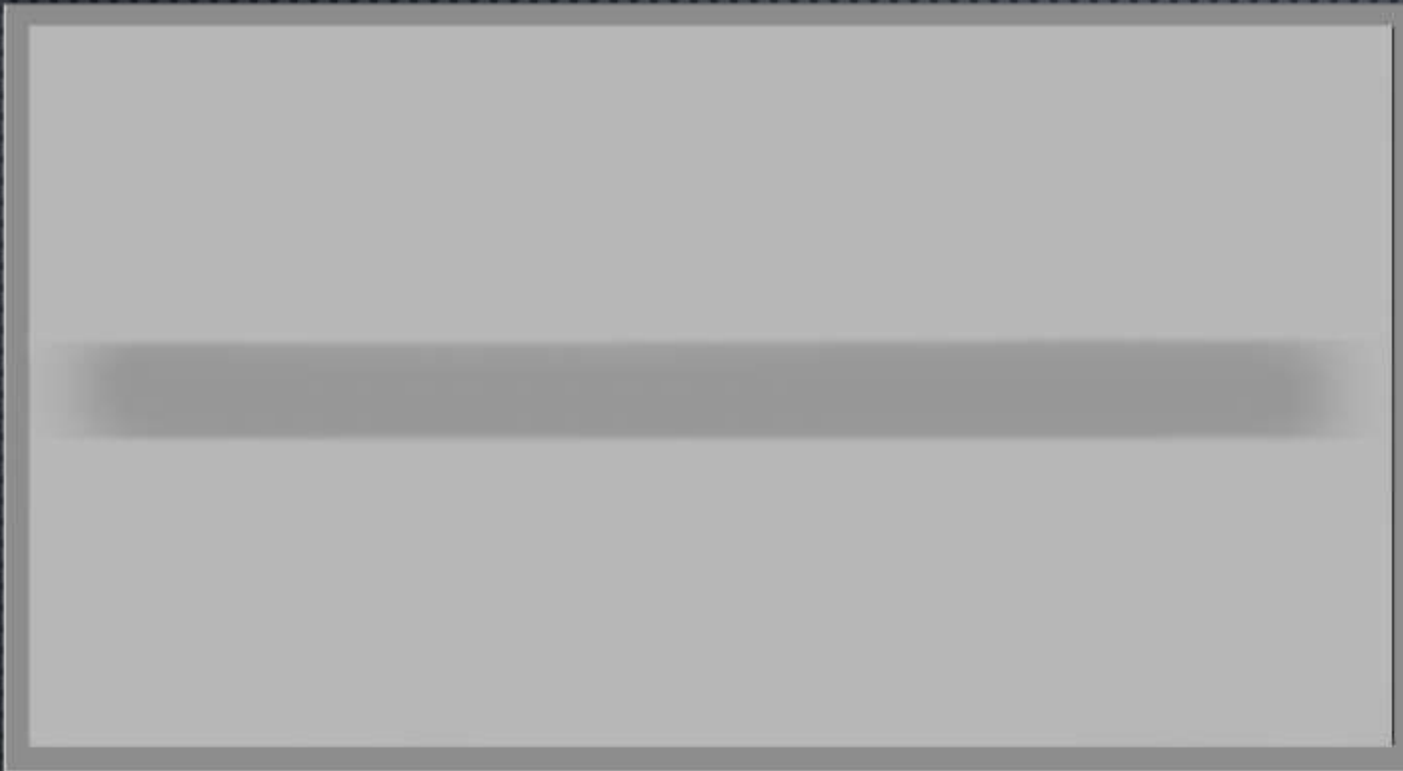
Caused By :

- Incorrectly mounted LEDs
- Incorrectly mounted headlight
- Deformed B/L
- **REPAIRABLE**



Check on 50% GRAY through a ND filter if there is a visible stain

LED BAR MURA



CHECK VIDEO ->

Caused by :

- Incorrectly mounted LEDs
- Damage BLU cable
- Damage connector
- Incorrectly mounted headlight
- Deformed B / L
- **REPAIRABLE**



LED / LENS MURA

CHECK VIDEO ->

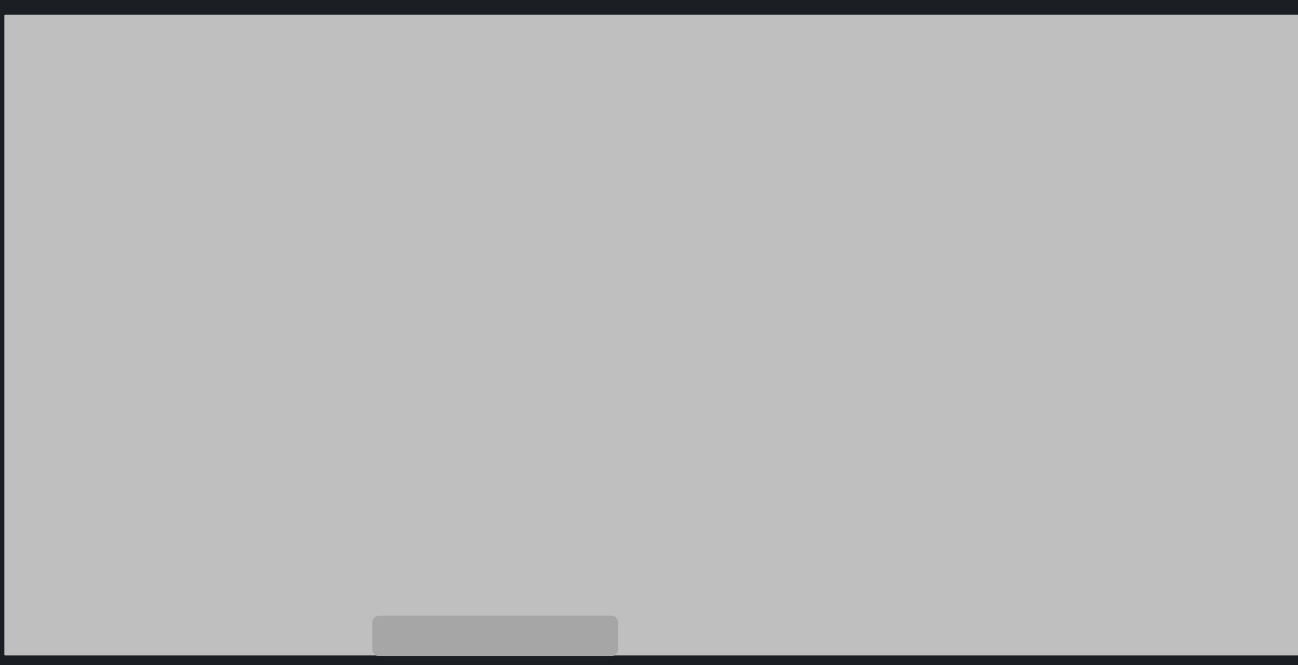
Caused by :

- Incorrectly mounted LEDs
- Incorrectly mounted headlight
- Deformed B / L
- **REPAIRABLE**



Check on 50% GRAY through a ND filter if there is a visible stain

WAVE MURA



CHECK VIDEO ->

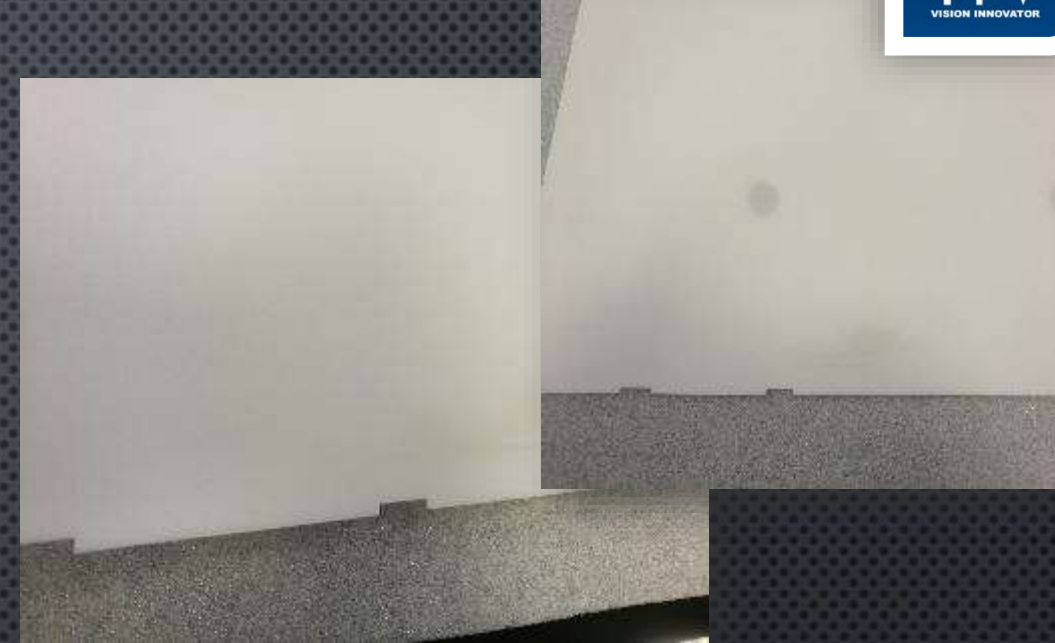
Caused By :

- Incorrectly mounted Films
- Deformed B / L
- Deformed FC
- **REPAIRABLE**



Check on 50% GRAY through a ND filter if there is a visible stain

DIFFUSER PLATE MURA



Caused By :

- Dirt under or upper Diffuser plate
- **REPAIRABLE**



Mura repair methods

Methods of Repair

1. Reassembly and Uniform Pressure Calibration:

- Loosen and retighten all bezel/frame screws evenly
- Apply symmetric pressure (manual or torque-limited)
- Slightly reducing pressure on one side often improves bleed



2. Check and Reposition Optical Components:

- Inspect the diffuser, reflector, and prism sheets
- Ensure they are clean, flat, and correctly aligned
- Avoid tight cuts that cause bending

3. Cleaning Optical and Edge Surfaces:

- Use gloves and anti-static tweezers
- Remove dust, fibers, or glue residue
- Check for particles between diffuser and panel layers



4. Modify or Replace Rubber Gaskets:

- Use soft foam spacers to apply even pressure
- Replace hardened or deformed rubber parts

5. Check and Reposition LED BAR:

- Ensure LEDs are not overheated (yellow = degraded phosphor)
- Align LED lenses and keep proper distance from diffuser

Service Tips - Always test after each step (black screen + test bars) - Use a dark room or test booth for visual clarity - Document 'before/after' results with photos

Mura repair methods

Adjusting the Mura primarily depends on the cause of the defect

Correct bending of the reflector, correct assembly of films without bends, correctly cleaned diffuser, films, no backlight defects that can create "mura"

Correctly mounted
headlight , Film



correctly assembly middleframe ,
middle frame etc.



Clean Dirt Diffusor plate



THANK YOU !