

OLED light Panel

Flexible panels

Handling Instruction

A. Handling and Safety

1. Unpack packing box with care. Remove packing trays gently and carefully from packing box.
2. During unloading and handling, gloves are required to prevent finger cuts or possible shocks. Gloves are also required to avoid fingerprints being left on the glass, and to keep moisture from causing corrosion to the metal traces.
3. Handle panels with caution. Mechanical stress such as shocks and pressures on the panel surface (active area, encapsulation glass cavity area) must be avoided to prevent cracking of the glass, delamination, scratching of the film, and internal structure damage. Do not press or drop the panel.
4. During unloading and handling, panels should always be held from the side. Avoid direct contact with metal contact pads or connector traces.
5. Protect the panel surface from scratches. Avoid direct contact on panel surface and do not stack panels on top of each other.
6. Protect the corners and edges during handling, assembly or installation to prevent chipping or breakage of glass.
7. Avoid contact with chemicals such as solvents.
8. Contact with water must be avoided to prevent damage of films and corrosion of metal traces. Water drops must be wiped immediately.
9. To remove particle/foreign materials and surface stains, gently wipe the surface of the panel with non-abrasive cloth.
10. In case of breakage, avoid direct contact with bare hands. Do not swallow particles, chips, or materials.
11. For interconnections, spring contacts are recommended. Soldering and other interconnecting technologies which apply heat to the panel may cause damage, and are therefore not recommended.
12. Do not hold the panel on the surface. Hold the panel from the edge.
13. In case of connecting multiple panels, series connection is highly recommended. Panel to panel uniformity problem can occur by parallel connection.

Reliability

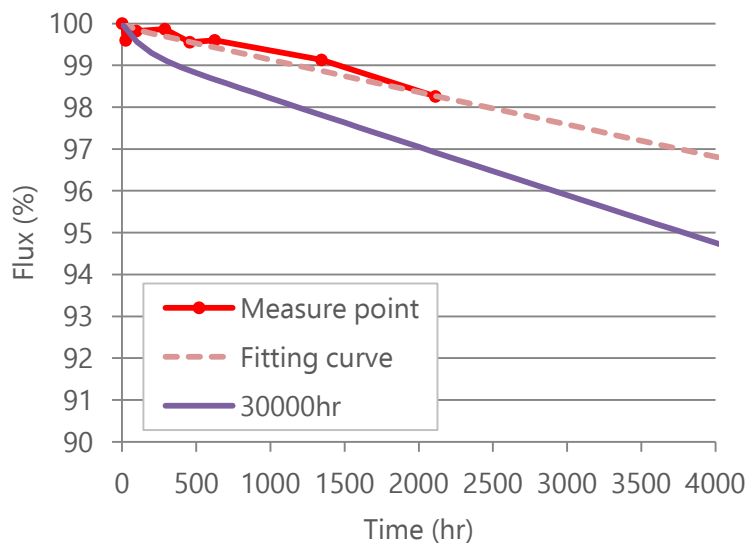
A. Reliability test condition

- Evaluation criteria : Luminance change within $\pm 10\%$ of initial value

Items	Condition
High temperature/humidity operation	60 °C, 90% RH / IF=Typ.mA,96Hrs
Thermal shock	-45 °C,15min \leftrightarrow 85 °C,15min 1cycle ,200cycles
High temperature /humidity storage	+85 °C, 85% / 500Hrs
Life time	Room Temp. / IF=Typ.mA, 2,000Hrs

B. Reliability test condition

Operation Lifetime



- LG Display guarantees a luminance shift below $\pm 10\%$ of initial value at 2,000Hrs.

- The data measured up to 2,000hrs is extended to calculate the panel's lifetime (LT70).