

## LED Breakthrough Turns Windows into Displays

Written by Bob Snyder  
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Samsung announces a breakthrough in LED technology-- one allowing the development and eventual production of ultra-large display panels on ordinary sheets of glass in the future, the *Korea Times* reports.

Researchers say “in ten years, **window panes will double as lighting and display screens**, giving personality to buildings.”

The breakthrough is the production of “nearly single crystalline Gallium Nitride (GaN) on amorphous glass substrates”—that leads towards the creating larger products (400x larger than the current GaN LED size of 2-inches) while lowering production costs.

The technology will first go into large commercial screens (sports displays, advertising boards) but Samsung may also leverage it into consumer devices and residential installations.

**The only drawback?** Samsung says it still needs up to 10 years to develop the technology into commercial production.

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