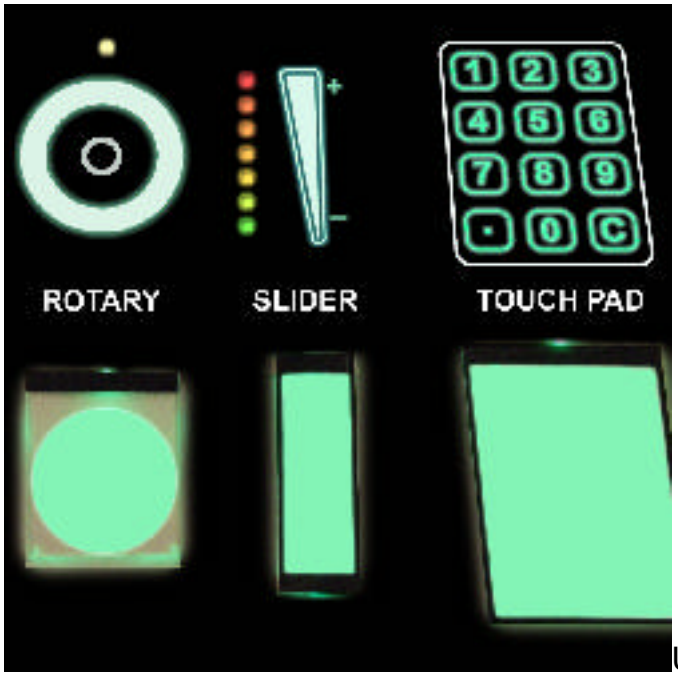
Light Guides Provide Backlighting Solution for Touch Enabled Display Graphics



Ultra-thin light guides from Global Lighting Technologies (GLT) utilize the company's unique LED-based edge-lighting technology to provide an ideal solution for backlighting touch-enabled display graphics in a wide variety of applications.
Designers are increasingly incorporating touch technology into displays and front panel graphic interfaces to enhance the functionality and perceived value of products.

GLT's light guides are the ideal backlight design-in because they provide bright, uniform light exactly where needed for directional symbols, on/off buttons, company logos, rotary switches, sliders, and whatever other graphic icons need to be illuminated, from large to small.

GLT's edge lighting technology employs side-firing, high efficiency LEDs and focuses the light into a high-performance, ultra-thin light guide (0.6 mm or less) utilizing light extraction technologies, such as Microlens, which extracts light precisely where needed to provide bright, uniform light in a thinner form factor without hot spots or dark areas.

The LEDs are strategically spaced along the edge of the light guide, providing the most efficient LED-based backlighting technology available and offering numerous benefits, such as better control of color and uniformity, lower part count (fewer LEDs required), reduced power consumption, and the thinnest possible backlight panel.