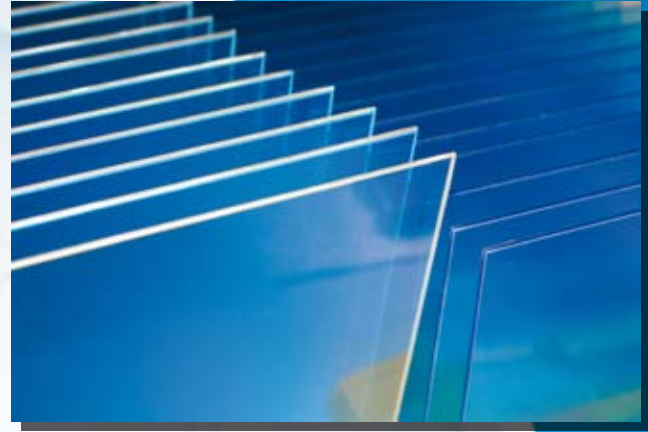


Backlighting

Display Enhancements

Delivering crisp and clear images with optical superiority, Touch International's backlighting solutions improve display readability in a variety of new and emerging outdoor applications.



Benefits

- Integrate Simply and Effectively
- Instantly Transform an Indoor Display into a Direct Sunlight Readable Display
- Enhance Brightness/Contrast with Minimal Increase in OEM Display Heat Dissipation
- Increase Brightness/Contrast with Minimal Increase in OEM Display Power Requirements
- Easily Combine with Other Touch International Value-Added Solutions to Further Maximize the OEM Display

Types of Backlighting

Cold Cathode Fluorescent Lamp (CCFL) Backlighting

CCFL backlighting provides a bright light source behind the LCD display. In addition to providing ample light, they do not rise far above the ambient temperature, which makes them ideal for LCD panels since the light source is in close proximity to other components that could be ruined by excessive heat.

Benefits of CCFL Backlighting

- Low Heat Emissions
- High Bright, Sunlight Readable
- High Colored Gamut
- Adjustable Brightness through a Dimming Circuit
- Small Size, Lightweight
- Driver Circuit to Handle Dimming Capabilities
- Low Power Consumption

Light Emitting Diode (LED) Backlighting

To meet the demand for an efficient and effective alternative to CCFL backlighting, Touch International offers an LED backlighting solution that excels in extreme environmental conditions while delivering maximum brightness for your display.

Benefits of LED Backlighting

- Sunlight Readable
- Low EMI Emissions
- Long Life Expectancy
- Dimmable to Very Low Levels without Flicker
- Low Power Consumption
- Wide Thermal Range without Heater Usage
- Low Heat Emissions
- High Color Gamut Achievable with High Power LED