



Optical Consulting

 LED Lighting

 Display Systems

 Optical Modeling

 Optical Prototypes

 Testing Systems

 Expert Witness and Consulting

Display Systems

Display technologies are continuously improving and new fundamental display technologies are continuously invented. Phostech has a broad range of experience in working with many different display technologies and can offer clients solutions including technology comparisons, patent evaluation, optical design, component sourcing, and component and display testing. In addition to [optical modeling](#), [optical prototyping](#), and optical testing of displays, Phostech can assist or provide technologies and solutions in the areas of:

- LCD displays (miniature to large) and LCD backlights
 - LED illumination, thinner, increased efficiency and uniformity, edge-lit,
- 3D displays including stereoscopic, autostereoscopic, holographic, volumetric displays, 3D projection
 - Technology evaluation, cross-talk, and image quality evaluation
- Projection displays, personal projectors (microprojectors and picoprojectors)
 - Optical components, light sources such as LEDs and lasers
 - Various screen technologies, front/rear screens, contrast enhancing, lenticular, spectrally selective transmission or reflection, polarization based screens
- LED displays
 - Optical components, LED de-pixelizing, contrast enhancing
- OLED displays
 - Display measurement, optical films, substrates and material selections, contrast enhancement



Picoprojectors in Cellphones



3D Displays

New display technologies often use variants on existing technologies in order to leverage existing supply chains. Phostech can provide extensive technology evaluations and options for solutions for display systems or components. In addition, Phostech can apply industry leading measurement standards, [testing systems](#), analysis, and reporting to any display technology or product incorporating a display.

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