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PHOLEDs

TOLEDs

**FOLEDs** 

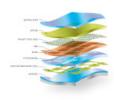
Overview

Revolutionary Features

Recent Advances

DOD Flexible Display Initiative

WOLEDs



Click image to enlarge

## **OVERVIEW**

In the late 1990s, our research partner at Princeton University discovered that small-molecule OLEDs could be built on flexible substrates, such as thin plastic. Since then, our team has led the development of this very exciting next-generation technology: FOLED® flexible OLEDs.

Imagine having a cell phone that looks like a pen but has a bright, full-color display that rolls in and out for use. It's called the Universal Communication Device™. In the near future, it, as well as other novel concepts, may use FOLED technology to make this vision a reality. Offering the display capabilities of a high-quality screen, while providing extreme compactness when not in use, FOLEDs also offer unique performance features not possible with today's LCDs. For use in lighting, FOLEDs can also provide some significant advantages over conventional incandescent and fluorescent lighting. These include:

- Thinner and lighter weight
- More durable, safer and impact resistant
- Flexible
- Cost-effective

In the future, FOLEDs may be found in a variety of existing and new product applications ranging from thinner, lighter weight portable electronics to the Universal Communication Device. With the support of the <u>U.S. Department of Defense</u>, we are working to make these and many other opportunities possible.

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