

BRIGHTVIEW
TECHNOLOGIES

DESIGN BRILLIANCE MEETS
VISUAL INTELLIGENCE™

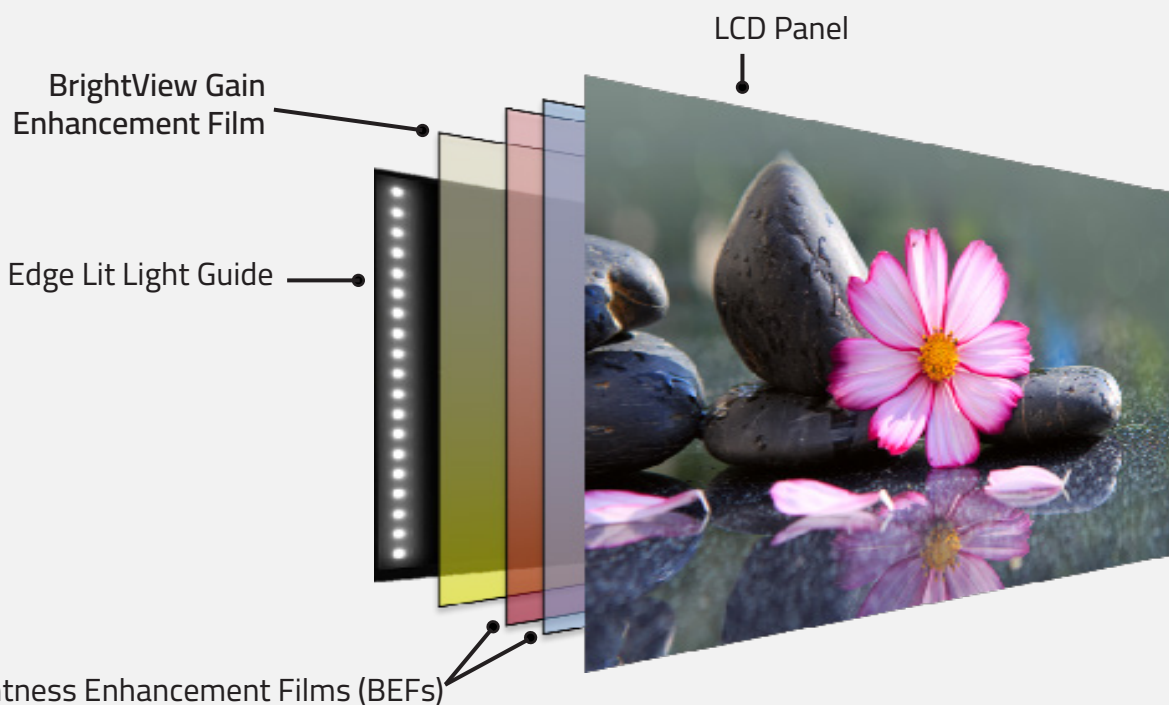
MICRO LENS ARRAYS FOR EDGE LIT LCDS

BRIGHT BOOST FOR DISPLAY DESIGN

Liquid Crystal Display (LCDs) technology is used in electronic devices such as televisions, computer monitors, notebooks, smartphones, tablets, and automotive displays. Edge lit LCDs provide reliable, cost-effective, uniform light output in a variety of form factors. A key specification is brightness, critical for a well performing and efficient display. These devices typically use a single diffuser film, called a down diffuser, in conjunction with crossed brightness enhancement films (xBEFs), to manage and direct the light to the user.

BrightView's innovative Gain Enhancement Films (GEFs), based on our Micro Lens Array (MLA) technology, push the limits of edge lit technology. By replacing the conventional down diffuser with a BrightView GEF, the display is taken to a new level of performance. Benefits include:

- Up to 30% increase in brightness compared to conventional down diffuser technology¹
- Excellent hiding for Light Guide structures
- Expert engineering support to guide you through the design process
- Custom solutions tailored to unique specifications
- High quality, high volume roll-to-roll production



¹Performance results vary based on back light unit design.

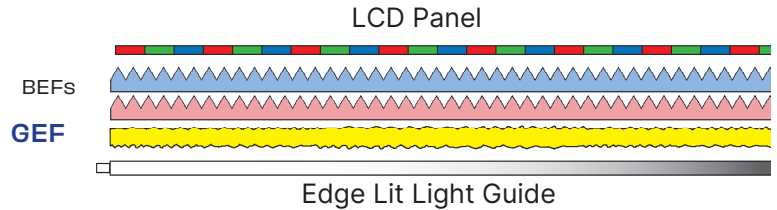
APPLICATIONS

- Laptops
- Tablets
- Automotive Displays
- Custom Designs

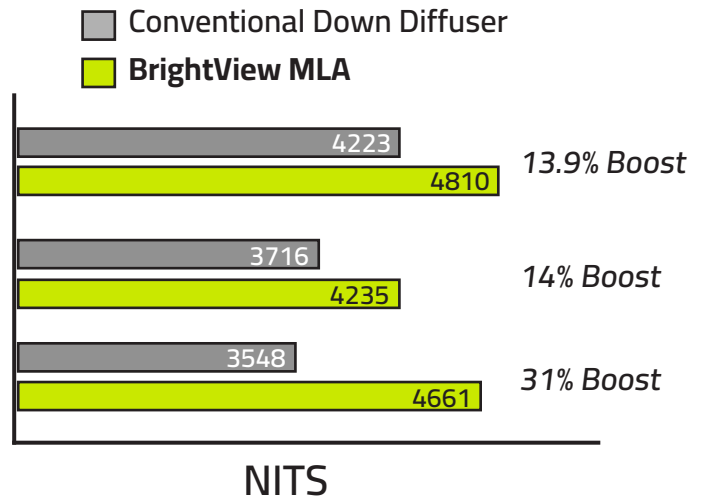
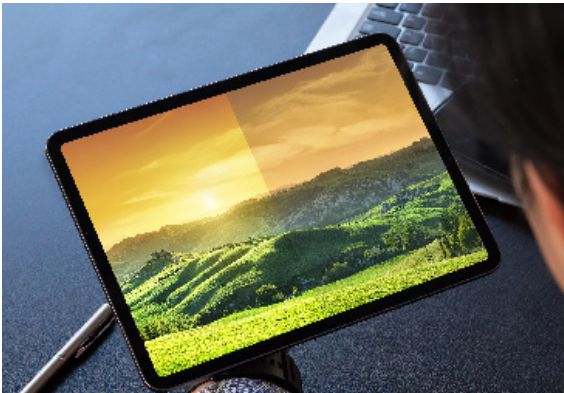


EDGE LIT LCD FILM STACK

- BrightView Gain Enhancement Film
- Brightness boost with a single film
 - Excellent uniformity and efficiency
 - Superior LGP structure hiding
 - Custom configuration



PERFORMANCE COMPARISON

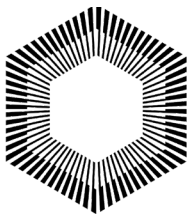


Results are based on measurements comparing the brightness performance of three different backlight units. These are reference results and the brightness gain will vary depending on, but not limited to, the light guide plate design and type of brightness enhancement films (BEFs).

ABOUT BRIGHTVIEW

BrightView specializes in the highest-performing visual and optical solutions for advanced technology applications. We rapidly create, collaborate, and construct the world's most intelligent visual solutions, unlocking an unmatched level of performance across a range of emerging technologies.

BrightView is an ISO 9001:2015 certified organization by Advantage International Registrar, Inc.



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Web: www.brightviewtech.com
Email: sales@brightviewtech.com
Tel: +1-919-228-4370