

E Ink Prism™ 3

Next gen color changing film for enhanced design

E Ink Prism™3 allows designers to create unique designs like never before. This ground breaking E Ink technology can be used in consumer electronics, durable goods, architecture, automotive, and fashion to create surfaces that magically morph colors. Prism™3 utilizes colored particles which are electronically controlled, so surfaces appear traditionally painted yet they are truly dynamic.

This bridges the gap between static decorative paints and alternate digital technologies like LEDs. Prism™3 enables endless design opportunities through a combination of changing colors, patterns, shapes and transitions.

Prism™3 is built on a thin flexible film which allows manufacturers and fabricators to cut, shape and integrate modules in a wide range of form factors. Like all E Ink technology, Prism™3 takes zero power to hold its appearance and only requires power to switch colors. This reduces or eliminates the need for electrical outlets and opens options such as batteries or energy harvesting to power the module. Delight your customers with surfaces that are customizable, smart, and green.



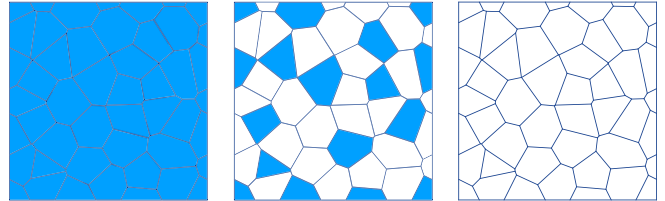
Specifications

Parameter	
Shapes	Customizable
Minimum Bend Radius	5" (130mm)
Laminate Material	PET
Switching Voltage	+/- 24 volts
Switch Power Consumption /sec*	2.4 W/m ²
Switch Power Consumption /min*	0.04 W/m ²
Operating Temperature	0 to 50 °C
Storage Temperature	-25 to 70 °C

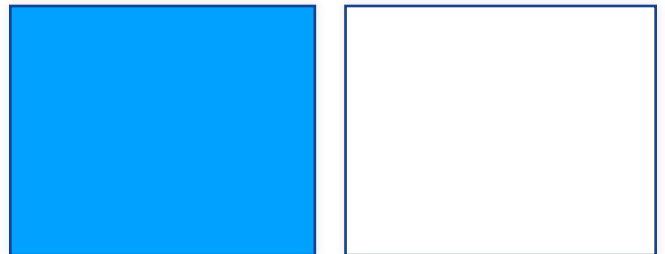
*Estimated values and can vary by installation. Based on Pulse Mode and film only.
Excludes power consumption of electronic controls.
Operating conditions: 25 °C at 50% RH (+/-5%).



Segmented Format	
Size	< 15" (380mm) x 23"(584mm)
Full Color Transition Time	< 10 seconds
Transition Type	Pulse



Sheet Format	
Size	600mm x 800mm
Full Color Transition Time	< 10 seconds
Transition Type	Pulse



New Colors

Transition

Pulse

Black



White



Red



Yellow



Orange



Green



Blue

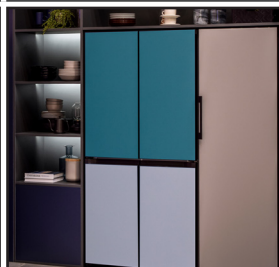


Applications

Consumer Goods



Durable Goods



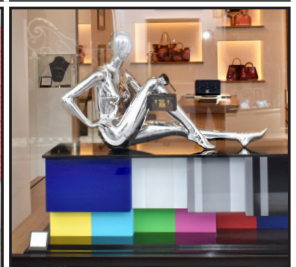
Automotive



Architecture



Promotion



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E Ink reserves the right to make changes in design or specification at any time and without notice.
For additional information, please contact sales@eink.com

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E Ink