

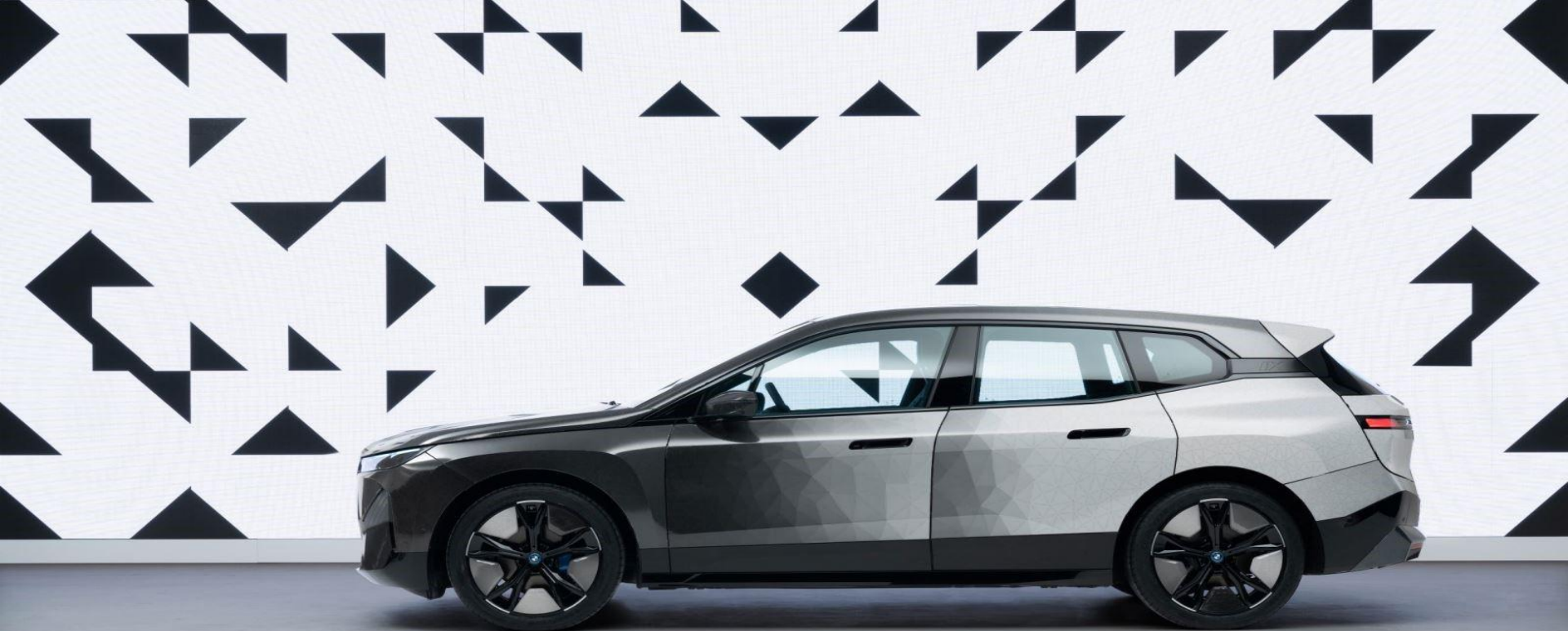


@2021

E Ink Prism™

 GooDisplay





BMW iX Flow in 2022 CES

E Ink Prism™

E Ink Prism™ will transform the way spaces and surroundings are experienced. Manufacturers and designers will now have the ability to integrate innovative films with any products to dynamically change colors, patterns, and habitats.

- **Fully Programmable Colors and Patterns**
transform static spaces into one of a kind experiences and enable to IoT design solutions
- **Rugged and Flexible design created endless design opportunities** by easily integrating with materials, structures, and applications
- **Low Power Consumption** and industry leading energy efficiency significantly reduces need for electrical connections



Prism Application

ITO-ITO & ITO-released type

- Programmable colors and patterns
- Free shape, flexible
- Printed custom messages
- Ultra low power consumption
- Easily integrated with structures

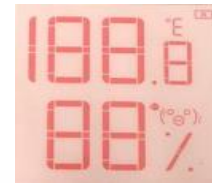
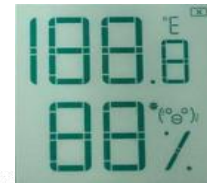
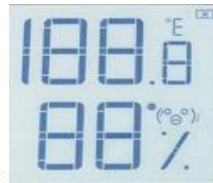


E Ink Prism™
2017 Retail Tech Japan

Prism Application

ITO-released type

- Customized pattern
- Colorful segmented EPD
- Active matrix Display



Prism Category

Dark Blue

Voyage

Cyan

Dream

Red

Blush

Green

Sprout

Yellow

Zest

Brown

Harvest

Black

Waltz



** Harvest (brown) is not available.

Prism Type & transition mode

ITO-released type



ITO-ITO type

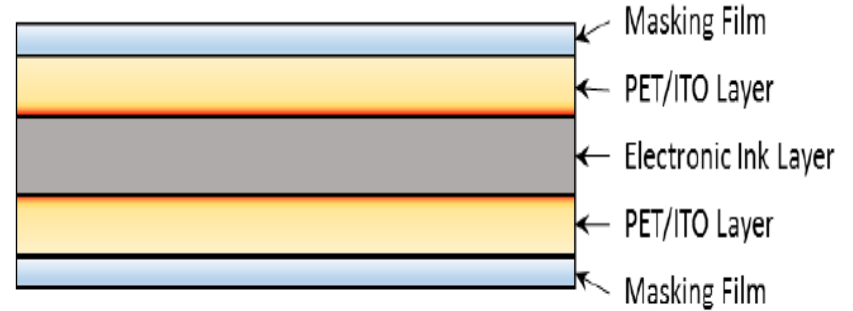
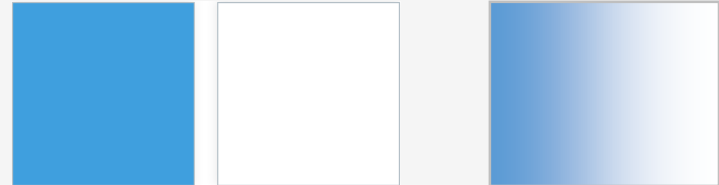


Figure 1 - E Ink Prism ITO/ITO Structure Cross-section

Transition mode (Pulse)



Transition mode (Pulse or Sweep)



Prism SPEC

| Type | ITO-released (segmented format) | ITO-ITO (sheet format) | |
|-----------------------------|---------------------------------------|-----------------------------|-----------------|
| sizes | One side less than 580mm | One side less than 580mm | |
| shapes | Customer defined | Customer defined | |
| Bend Radius | 5" (130mm) | 5" (130mm) | |
| Viewable sides | One-sided | One-sided | Two-sided |
| Laminated surface materials | PET(or TFT & other conductive plane) | | PET-ITO (fixed) |
| Switching voltages | +/- 15Volts | | +/- 15Volts |
| Power consumption* | | | |
| Switching Every Second | 2.4 W/m ² | 2.4 W/m ² | |
| Switching Every Minute | 0.04 W/m ² | 0.04 W/m ² | |
| Transition mode | Pulse | Pulse | Sweep (waving) |
| Transition Times | 1, 3, 5 seconds (per segment) | 1, 3, 5 seconds (per sheet) | |
| Operation temp. | 0°C to 40°C | | 0°C to 40°C |
| Storage temp. | -25°C to 70°C | | -25°C to 70°C |

*Estimated values and can vary by installation. Based on Pulse Mode and Film only. Exclude power consumption of electronic controls.

Operation conditions : 25°C at 50% RH(+/-5%)

Eink | We Make Surfaces Smarter™



GoodDisplay

