EDS1001-BHA Water-Clear All-Angle Emissive Display Screen (Blue)

EDS1001-BHA is an emissive (blue) display quality film with anti-scratch coating and adhesive liner. It can be applied to any glass window and windshield, and turn the glass to a water-clear display surface with a UV-blue projector.

1. General Display Film Information
   - Film Base: PET (Polyethylene terephthalate)
   - Film Top Layer: Hard coat to provide resistance to scratching and chemicals
   - Film Back Layer: Pressure sensitive adhesive and removable liner
   - Film Thickness (without liner): ~50 µm (or 2 mil)
   - Film Size: Custom-specified (The width is limited to 60 inch or 1.5 meter)
   - Relevant Issued Patents: US 6,986,581; US 7,090,355

2. Film Optical Characterizations:
   - Visible Light Transparency: > 90%
   - Haze: <2% (ASTM 1003)
   - Film Excitation Wavelength: 340 to 410 nm
   - Film Emissive Peak Wavelength: ~445 nm
   - Fluorescence response time (~200 µsec.)
   - Emission intensity: linear increase to exciting power

3. Film Durability
   - Film Life Expectancy (Indoor): > 5 Years
   - Heat/Humidity resistance: No remarkable change after 2,000 hours @85 ºC /85 RH

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