**Optic-Clear All-Angle Emissive Display Screen (Red on Green)**

**EDS2001-ROG** is a color emissive display quality film. It can be applied to a glass panel, and turn the glass to a clear color display surface with a Violet-Blue (405nm/450nm) video projector.

### 1. General Display Film Information
- **Film Base:** PET (Polyethylene terephthalate)
- **Film Top Layer:** Proprietary clear red emissive coating (on 405 ± 5 nm excitation)
- **Film Back Layer:** Proprietary clear green emissive screen (on 450 ± 15 nm excitation)
- **Total Film Thickness:** ~100 µm (or 4 mil)
- **Film Size:** Custom-specified (The width is limited to 70 cm)
- **Relevant Issued Patents:** US 6,986,581; US 7,090,355

### 2. Film Optical Characterizations:
- **Clarity/Transparency:** > 90% without AR coating
- **Optic Haze:** <2%
- **Fluorescence response time:** (< 1 mill-sec.)
- **Emission peak Red:** 615 nm
- **Emission peak Green:** ~510 nm
- **Emission intensity:** linear increase to exciting power

### 3. Projector requirements:
A digital image projector that output the following 2 visible wavebands are recommended to match the excitation of the Red/Green emissive screen:
- **Red Excitation Wavelength:** 405 ± 5 nm
- **Green Excitation Wavelength:** 450 ± 15 nm
- The display brightness scales linearly with the excitation power (intensity);

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