

CLAREX

OPTICAL COMPONENTS

For Flat Panel Displays, Light Guides and Projected Images

- Precision Thin Sheet
- Non-Glare Sheet
- UV Cut Filter
- UV Transmission Filter
- NIR (Infra-Red) Filter
- Anti-Bacteria Filter
- AR (Anti-Reflective) Filter
- EMI & AR/EMI Shield Filter
- Laser Scanner Filters
- Light Guide Reflector
- Light Guide Panel
- DR-I Diffusion Reflector
- DR-II Transmissive Diffusing Reflector
- DR-II EL Transmissive Diffusing Reflector
- DR-IIIC Light Diffusing Filter
- DR-IIIS Light Shielding Diffusion Filter for LCD
- DR-IV HSOT Light Scattering Panels & Shapes
- BLUE OCEAN Front & Rear Projection Screens



www.AstraProducts.com

Exclusive distribution in North America

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Concise Guide To Clarex® Flat Panel Components

Precision Thin Sheet (poly-methyl methacrylate) affords unsurpassed optical properties, excellent uniform thickness (from .008 inch) and surface smoothness with high transmissive rates. Several surface options are available.

Non-Glare Sheet optimizes display characteristics by eliminating unwanted reflections. There are five non-glare surface finishes. Available in scratch-resistant and a variety of colors and coatings.

UV Cut Filter protects display from ultraviolet. Five types of ultra-violet absorption filters, from 370nm - 480nm. Available with smooth or non-glare surface with scratch-resistant option.

UV Transmission Filter transmits ultra-violet (80% at 300nm) and offers excellent optical characteristics without double refraction. Available smooth, non-glare and scratch resistant.

NIR (Infra-Red) Filter transmits IR and absorbs visible rays. There are five types of NIR filters which transmit the range of 700nm to 820nm. Excellent optical characteristics without double refraction. Smooth or anti-glare in scratch resistant.

Anti-Bacteria Filter is a hygienic window filter. The specialized coating prevents the reproduction of bacteria. Optically excellent, it also has a scratch resistant coating, ideal choice for touch screens.

AR (Anti-Reflective) Filter multi-layer coating prevents light reflection. Additional coatings prevent surface scratching and smudging. Our AR Coat Filter may be combined with non-glare surfacing to improve anti-reflection. Available in any color.

Anti Reflection and ITO Coat Filters are available with our without nonglare surface. Has scratch resistant coating. Available in clear, several neutral greys and colors. High light transmission.

BLUE OCEAN Front & Rear Projection Screens. Newly developed structured and non-structured acrylic panels maximize brightness and contrast, accurate reproduction. Panels can be bent or formed and are available in a wide variety of thicknesses, sizes and coatings.

Laser Scanner Filter maximize transmission of 630 - 670nm laser for scanner applications. The surface is treated with anti-reflection (AR) coating to prevent reflection. Optional coatings prevent surface scratching and smudging.

Light Guide Reflectors developed for side lamp LCD units of PMMA acrylic — an excellent conductor of light with diffusion reflection.

Light Guide Panels for side lamp LCD units — an excellent conductor of light. These panels optimize the uniformity and brightness of backlights.

DR-I Diffusion Reflectors uniformly reflect external light.

DR-II Transmissive Diffusing Reflectors for light reflection and rear light diffusion.

DR-II EL Transmissive Diffusing Reflectors for light reflection and rear light diffusion — specifically engineered for EL applications.

DR-IIIC White Diffusing Reflectors are excellent white diffuser for light transmissions from 45% - 93%. Also available in custom colors and custom light transmissions.

DR-IIIS Light Shielding Diffusion Filters for LCD backlights are specially formulated for direct backlight applications incorporating high bright light sources, particularly LED's. Available with light transmission ranging from 5% to 40% in 5% increments.

DR-IV HSOT Light Scattering Panels & Shapes are polymerized panels providing optimal inside scattering and illumination for the top surface from an edge light source. Effective illumination demonstrates a more than 30% improvement over conventional light guide panels.



NEW CLAREX® PRODUCTS!

- High-Temperature Acrylic Filters
- Low-Moisture Absorbing Filter
- Permanent Anti-Fog Filter

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