

Dichrolight™

The Challenge

When lighting designers want the latest trends to color fixtures for use in entertainment lighting, architectural lighting and product presentation, they use our Dichrolight™ filters to meet their needs. OEM lighting manufacturers have depended on our filters for more than 20 years. Produced by reliable Materion Barr Precision Optics & Thin Film Coatings e-beam and patented sputtering processes, Dichrolight™ filters are available as full colors or as patterned CMY filters.

Benefits

- Highly saturated colors
- Non-ageing and fading colors, reducing maintenance costs
- Highest scratch resistance and mechanical stability
- Absorption-free, preventing thermal stress caused by high intensity light sources
- Thermal stability up to 400°C
- Reliable production by our coating processes achieve filters with tight tolerances and high reproductability
- Color range which meets the latest trends
- High volume production capabilities
- No thermal shift in case of sputtered filters

Applications

Materion Barr Precision Optics & Thin Film Coatings Dichrolight™ filters are the first choice when it comes to entertainment lighting in shows, theatres, discotheques, stages and architectural lighting. A selection of modern, new designed colors meet the requirements of lighting effects. Gobos, which require stable colors on heat resistant substrates as well as fiber optic illumination devices, achieve premium performance using Dichrolight™.

Materion is a global advanced materials company, dedicated to providing solutions that enable our customers' technologies and drive their growth. Our products include precious and non-precious specialty metals, precision optical filters, inorganic chemicals and powders, specialty coatings, specialty-engineered beryllium alloys, beryllium and beryllium composites, and engineered clad and plated metal systems. The Materion business is structured to enhance our ability to provide customers with innovative, best total-cost solutions.



Technical Data

Colors

- Choose from 17 standard colors or ask for customized colors

Dimension

- 160 × 110 mm thickness = 1.1 mm
- Other dimensions on request

Glass type

- Heat resistant Borosilicate glass

Operation temperature

- Up to 400°C

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