



**MATERION**

// BALZERS OPTICS

## Dichrolight™

### ... First Choice for Entertainment Lighting Filters

Lighting designers are impressed by the Dichrolight™ filters from Materion Balzers Optics. OEM lighting manufacturers rely on Dichrolight™ filters since more than 35 years to color their fixtures used in entertainment lighting, architectural lighting and product presentation. Dichrolight™ filters always match the newest trends. Produced by reliable Optics Balzers e-beam and patented sputtering processes the Dichrolight™ filters are available on flat and curved substrates, as full colors, Gobos 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 Balzers Optics 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™ from Materion Balzers Optics.

### Technical Data

#### Colors

Choose from 17 standard colors  
or ask for customized colors

#### Dimension

160 · 110 mm th. = 1.1 mm  
other dimensions on request

#### Glass type

Heat resistant Borosilicate glass

#### Operation temperature

Up to 400°C



Optics Balzers AG  
Neugrüt 35  
LI-9496 Balzers

Liechtenstein  
T +423 388 9200  
F +423 388 9390  
info.mbo@materion.com  
www.materion.com/balzersoptics

MBO 005 PE (2206-1)

1/2

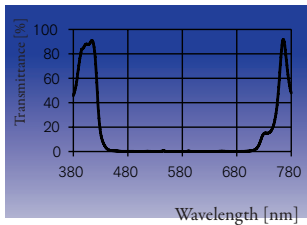
Subject to technical change without notice



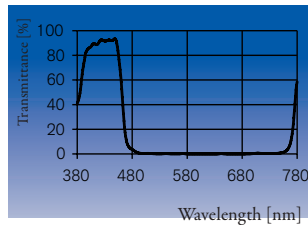
MATERION

// BALZERS OPTICS

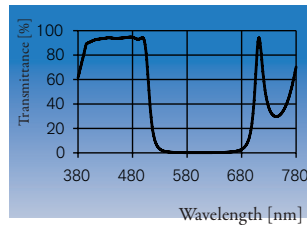
Standard DichroLight™ filters are available in the following colors.



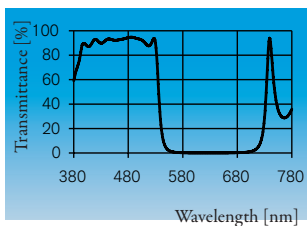
B42



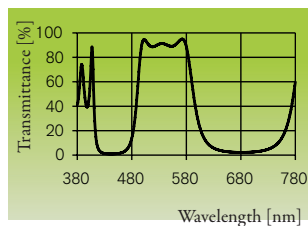
B46



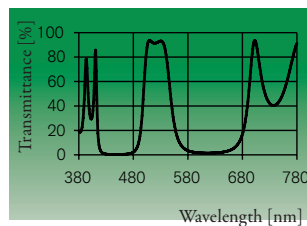
B51



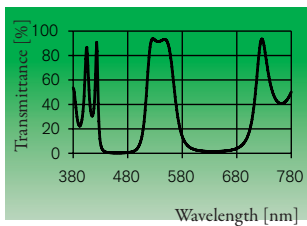
C54



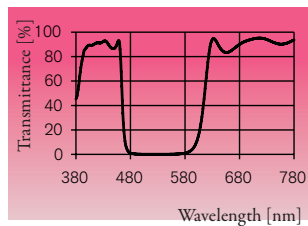
G49/59



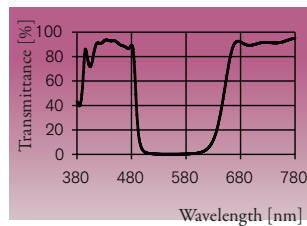
G50/55



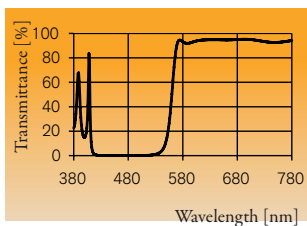
G51/56



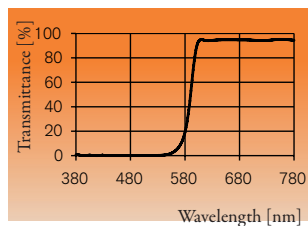
M47/63



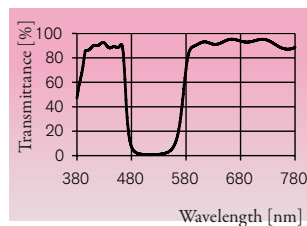
M49/65



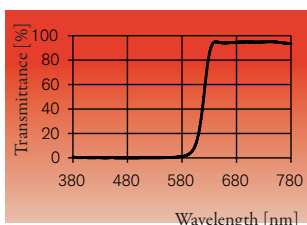
O56



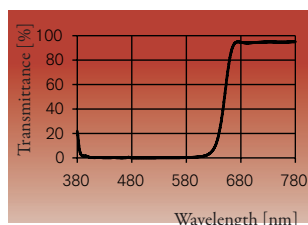
O59



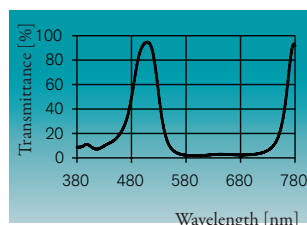
P47/58



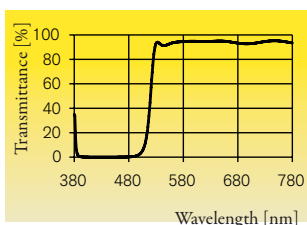
R61



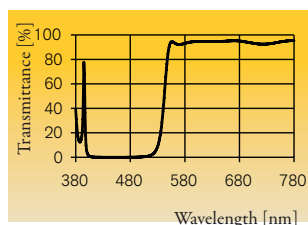
R65



T48/53



Y52



Y54

Optics Balzers AG  
Neugrüt 35  
LI-9496 Balzers

Liechtenstein  
T +423 388 9200  
F +423 388 9390  
info.mbo@materion.com  
www.materion.com/balzersoptics

For technical reasons during printings, the color shown may differ from the original shade.

MBO 005 PE (2206-1)

2/2

Subject to technical change without notice