



MATERION

// BALZERS OPTICS

# Conversion Filter

## Color Temperature Modification of Light Sources

A conversion filter transforms a black body radiator with temperature  $T_1$  into one which has a temperature  $T_2$ . TL 60 shift the color temperature of a light source from 3200 °K to 6000 °K, while TK 32 filter change it from 6000 °K to 3200 °K.



### Benefits

- Absorption-free dielectric filter
- High filter transmission
- No color degradation
- Conversion independent of glass thickness
- Heat resistant
- High mechanical and chemical stability
- Individual color conversion on request

### Technical Data

Spectral characteristics, AOI = 0°

**TL60:** 3200 °K to 6000 ± 500 °K

**TK32:** 6000 °K to 3200 ± 300 °K

**Heat resistant** up to 350 °C

**Standard size** 160 · 110 · 1.1 mm

### Applications

- Photography
- Film industry
- Television studios
- Food illumination
- Clothing stores
- Medical lighting

TL60 and TK32 filter transmission

