



**UMA Servicegesellschaft für
Veranstaltungstechnik mbH**
 Marienburger Straße 24
 42277 Wuppertal
 Tel: +49 (0)202 521009
 Fax: +49 (0)202 5287986
 e-mail: [m.mattis@uma-
services.de](mailto:m.mattis@uma-services.de)
 e-mail: info@uma-services.de
www.silverfabric3d.de

1 Filtertypes: quick selection guide

Name	DLP	LCoS	LCD	Extinction	Transmission	Back-reflection	Construction
POL	Yes	Yes	Yes	>1500:1	42%	8%	Glass supported
POLH	Yes	Yes	Yes	>1500:1	44%	4%	Glass supported
POLAR	Yes	Yes	Yes	>1000:1	46%	0.5%	Glass encapsulated
SPAR	No	No	Yes	>1500:1	65%<	0.5%	Glass encapsulated
LCoSAR	No	Yes	No	>1500:1	80%<	0,5%	Glass encapsulated
LCoS H	No	Yes	No	>1500:1	80%<	4%	Glass supported

Transmission and extinction cited for linear polarization output.

2 Common properties of Advisol filters

- All filters are constructed on glass in order to maintain optical performance at elevated temperatures
- All filters are available in both linear and circular polarization output
- Standard and custom sizes
- Maximal operating temperature: 70 deg Celsius

3 Application notes

3.1 Distance to the lens

Dispose the filters at such distance so that at least half of the filter area is illuminated. Smaller beam spot may cause premature filter failure.

3.2 Lifetime

Expected lifetime for typical operating conditions:

POL, POLH, LCoS H: 700 hours

POLAR AR, SPAR AR, LCoS AR: 1000 hours

Note: We do not warrant the filter lifetime. Actual lifetime may depend on conditions specific to the installation.

UMA GmbH, **Bank Branch Address:** Friedrich-Engels-Allee 426, 42283 Wuppertal, **BIC/Swift-Code:**DEUTDEDBWUP
Bank: Deutsche Bank Wuppertal, BLZ: 33070024, **Account No.:**888010600, **IBAN:** DE 98330700240888010600
Fiscal Code No.: 131 5934 0756, **VAT-Id:** DE 172684811,
Amtsgericht Wuppertal, HRB 8619, Geschäftsführer: Manfred Mattis