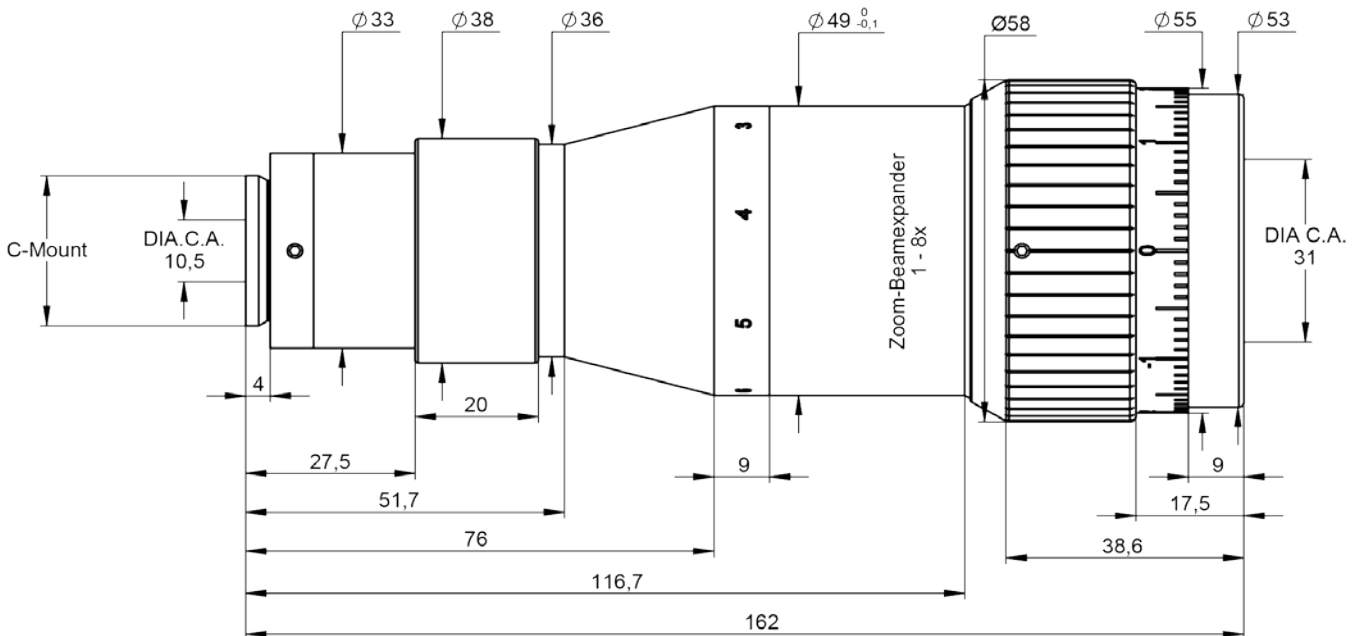


# DATA SHEET



## S6EXZ5075/574 Beamexpander

- magnification 1.0 - 8.0
- for 343 nm - 355 nm
- fused silica
- low absorption coating



# DATA SHEET



## specifications

article number	S6EXZ5075/574
design wavelength [nm]	355
magnification factor	1.0 - 8.0 continuous
divergence adjustable <sup>1)</sup>	✓
optical principle	Galilei (no internal focus)
mounting thread	C-mount
pointing stability [mrad]	< 1
clear input aperture [mm]	10.5
clear output aperture [mm]	31.0
max. input beam diameter [mm]	9.0 (1x) - 3.5 (8x)
total number of lenses	4
total transmission [%]	97
lens material	fused silica
LIDT (coating) [J/cm <sup>2</sup> ]	1.0 (1ns pulse at 50Hz)
no internal ghosts [✓/×]	✓
no internal ghosts, reversed usage	×
weight [kg]	1.00
accessory	S6MEC2530 - adapter C-mount to M30x1

## notes

1) Divergence is independent from magnification factor

Data given by design

Attention! The laser should not be operated while zooming!

LIDT = Laser Induced Damage Threshold, valid for the coating at design wavelength and gaussian intensity profil

Internal ghost in forward usage only for magnification > 7.5x