

Order number/ Artikelnummer	BO_AxBxDx-Fertigung
Module/ Bezeichnung	Powell lens, Material: BK7/SF6, dia. 8,9-9,0mm, height 8.0mm/, input beam: TBDmm, fan angle TBD deg,

Basic properties/ Allgemeine Eigenschaften:

Operating temperature/ Betriebstemperatur	-20°C to +120°C
Storage temperature/ Lagertemperatur	-20°C to +120°C
Bestellnomenklatur:	PL-AxBxDx
A = "Öffnungswinkel" / "fan angle"	1/5/10/15/20/30/45/60/75/90
B = "Strahldurchmesser" / "beam size"	0.5mm-3.0mm (1/e ² diameter)
D = "Durchmesser" / "diameter" of the lens	D6: 5,9-6,0 D9=8,9-9.0mm

Beam properties/ Optische Eigenschaften:

Beam profile/ Strahlcharakteristik	active area for STD option W:0.5-1.5 x H:4.0mm for TS option = W:1.5-3.0 x H:2.0mm
Fan angle/ Öffnungswinkel	BK7 or equivalent: 1° (+1°) / 5° (+3°) / 10° (+3°) / 15° (+3°) / 20° (+3°) / 30° (+3°) / 45° (+3°) @660nm SF6 or equivalent (AR coating @ plane surface): 60° (+5°) / 75° (+5°) / 90° (+5°) @660nm
Line intensity variation/ Homogenität	≤20% (80% of the laser line)
Line straightness/ Geradheit	≤0,1%

Mechanical properties/ Mechanische Eigenschaften:

Housing size/ Abmessungen	Diameter: D6: 5,9-6,0 D9=8,9-9.0mm Height: D6: 5.5-5.9 D9=8.2-8.7mm
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