

### PRELIMINARY TECHNICAL LEAFLET

### **Embedded Deformable Mirror**



## **Key features**











### **Preliminary Technical Specifications**

Number of actuators	97
Pupil diameter (mm)	13.5
Pitch (mm)	1.5
Active best flat (nm RMS, mechanical)max	7
Tip/Tilt stroke (μm PV, wavefront)min	±60
Defocus/Astig stroke (µm PV, wavefront)min	±40
3x3 stroke (µm PV, wavefront)min	±25
Settling time (ms at -/+ 10%, any stroke) max	0.8
First resonance of the membrane (Hz)min	800
Non-linearity (%)max / Hysteresis (%)max	3/2
Functional temperature (°C)	-50 to 50
Mechanical W x H x D (mm)	51,50 x 74 x 53

# Our Company

Since 2008, Bertin Alpao designs and manufactures a complete range of adaptive optics products for use in research and industry. Bertin Alpao understands your needs and provides you with the best solutions: deformable mirrors, wavefront sensors and software for your application. Our products are tailor-made for various applications such as astronomy, ophthalmology, microscopy, optical and quantum communications, space and laser applications.

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