

zBeam_14_xxx

***Series of Correction Zoom Beam-Expanders
Laser beams of near-IR, Visual and UV spectrum***



Very often applying the beam shaping system requires correction of laser beam size. This function can be realised successfully with using inexpensive **zBeam** systems that have a simple design and are easy to handle.

Design of **zBeam** systems could be adapted to particular beam shaping task.

zBeam systems of various sizes and wavelength ranges can be produced.

Beam Shaping never was so easy!

Technical Specifications:

Common for all <i>zBeam_14_xxx</i> models:			
Type	Zoom Beam-Expander, without internal focus		
Magnification ranges	<ul style="list-style-type: none"> - 1^x ... 1.8^x - 1.8^x ... 3.75^x - 3.75^x ... 7.75^x - 7.5^x ... 15^x 		
Input beam	<ul style="list-style-type: none"> - Collimated - Diameter < 8 mm for 1^x ... 1.8^x <li style="padding-left: 20px;">< 3.5 mm for 1.8^x ... 3.75^x <li style="padding-left: 20px;">< 1.6 mm for 3.75^x ... 7.75^x <li style="padding-left: 20px;">< 0.8 mm for 7.5^x ... 15^x 		
Output beam	<ul style="list-style-type: none"> - Collimated or low divergence - Diameter < 14 mm 		
Other features	<ul style="list-style-type: none"> - Design suitable for scientific and industrial applications - Easy integration to an optical setup and adaptation to a laser source 		
Overall dimensions	<ul style="list-style-type: none"> - Diameter 38 mm - Length 202.4 mm 		
Weight	400 g		
Mounting	External Thread M27x1 at Entrance and Exit		
Features			
Model	<i>zBeam 14_1550</i>	<i>zBeam 14_440</i>	<i>zBeam 14_532</i>
Optimum wavelength range**	1500 - 1600	400 - 480	480 - 580
Applications based on	Diode Lasers	He-Cd, Diode Lasers	2 nd (532) Harmonics of Nd:YAG laser
* - working wavelength range without taking into consideration the coatings			
** - according to coatings applied			

