

Model ZLP2

High-performance laser projector with Z-FIBER source

ZLP2 is the high-end model of our ZLP laser projector family. ZLP2 comes with an unmatched beam quality due to the use of a fiber-coupled laser source. Thanks to its precision of 0.25mm per meter working distance, ZLP2 is perfectly suited for applications in composite using industries.

ZLP2 comes with the intuitive graphical user interface ZLP-Suite. The integrated API allows an easy integration of ZLP2 in existing customer software. For the extension of ZLP-Suite additional software modules are available.



Intuitive software



Optical angle up to 80°



Optimized for 2D and 3D projection



Integration into multiprojector systems



Improved thermal management



IP65



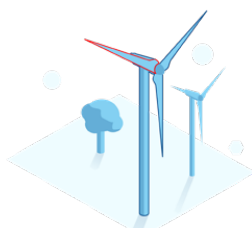
Wavelength: 520 nm 638 nm

Highlights

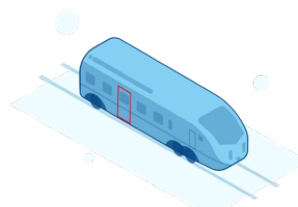
- Highly precise and stable laser projection
- Optimized for projection on 3D objects
- Excellent beam performance by the fiber-coupled laser source
- Large aperture (up to 80° x 80°) enables large working areas
- Data transmission via ethernet adapter
- Easy integration into multi projection systems
- Intuitive graphical user interface ZLP-Suite
- Advanced programming interface (API) for C++, C#, Python
- Client-/Server architecture



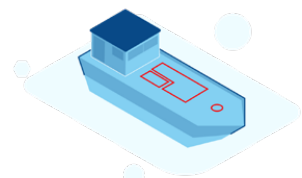
Automotive



Rotorblades



Train Construction



Ship Building

System specifications

Laser source
Wavelength
Output power
Laser class (on EN 60825)
Special features of the model
Fan angle
Accuracy ⁽¹⁾ (depends on projection distance)
Focus range
Frequency of projection
Weight
Dimensions (L x W x H)
IP protection class
Laser operation mode

Fiber-coupled red or green laser diode

520 nm		638 nm
7 mW	14 mW	7 mW
2M	3R	2M
Standard	High Precision	Tele-optic
80° x 80°	60° x 60°	60° x 60°
0.25 mm/m	0.25 mm/m	0.25 mm/m
0.5 m up to 7 m (standard optic)		Up to 14 m

Max. 50 Hz (depends on the projection)

6.6 kg (plus ca. 1.4 kg for separate power supply)

500 x 200 x 141 mm (181 mm incl. fan)
19.685 x 7.874 x 5.551 in (7.126 incl fan)

IP65

APC

Software / handling

Software
Graphics format

ZLP-Suite / API

HPGL / HPGL 3D / DXF

Accessories

Remote control

Optional (standard or industrial)

Electrical specifications

Operating voltage
Protection class electrical
Electrical isolation
Interfaces
Power consumption (typical)

24 VDC ±5%

3 (protective low voltage)

Potential-free housing, connection to GND through 500 kΩ

Ethernet TP, 100 Base TX Cat5/Cat6

50 W (max. 100 W)

Ambient Conditions

Operating condition
Storage temperature
Humidity (max.)

+0 °C up to +50 °C (standard)

+0 °C up to +60 °C (with cooling air hose)

-20° C up to +70 °C

< 80% relative, non-condensing

Working range in relationship to the mounting height (in mm)
1.000
2.000
3.000
4.000
5.000
6.000
7.000
8.000
9.000

Optical angle 76° (in mm)	Optical angle 60° (in mm)
1.562 x 1.562	1.155 x 1.155
3.125 x 3.125	2.309 x 2.309
4.687 x 4.687	3.464 x 3.464
6.250 x 6.250	4.619 x 4.619
7.812 x 7.812	5.774 x 5.774
9.375 x 9.375	6.928 x 6.928
10.938 x 10.938	8.083 x 8.083
12.500 x 12.500	9.238 x 9.238
14.063 x 14.063	10.393 x 10.393

⁽¹⁾ At 28° C block temperature, optical angle 70° and 0° inclination