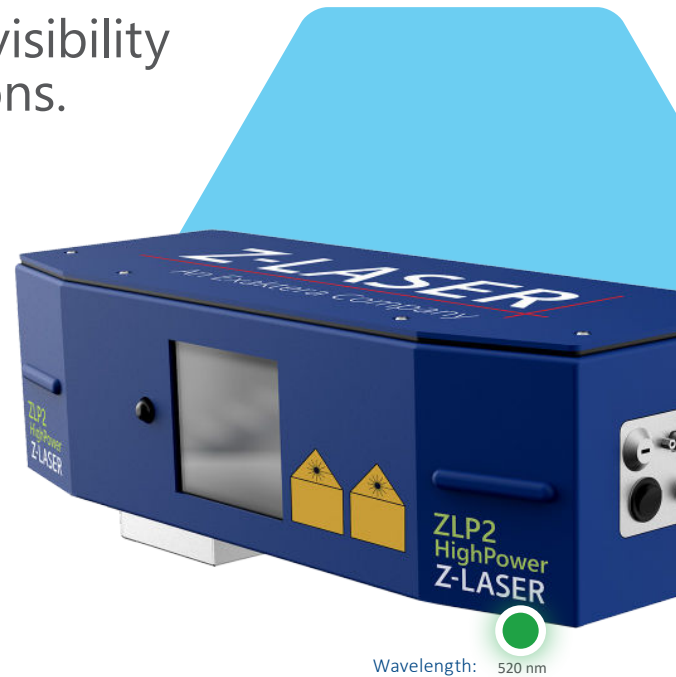


Model ZLP2-HighPower

Laser projector with unmatched visibility for the most demanding conditions.

The ZLP2-HighPower laser projector not only impresses with its particularly robust and high-quality workmanship. In addition to optimized software, the inner workings with a more powerful laser source, new mechanics and revised electronics also set new standards. The result: brightness, accuracy and durability of this laser projector will inspire you – not only in difficult lighting conditions or when mounted at great heights.

As an innovative tool, the ZLP2-HighPower is particularly impressive in the concrete industry, the aerospace industry, and the production of rotor blades for wind turbines. In all these industries, the laser projector makes daily processes easier, faster, and more precise. Be it because formwork elements and recesses are displayed more accurately or because material and tools can be aligned or positioned more precisely. Thus, productivity increases of up to 30% are possible with the ZLP2-HighPower.



Optimized for difficult lighting conditions



Digital driver technology



Intuitive software



Optical angle up to 80° x 60°



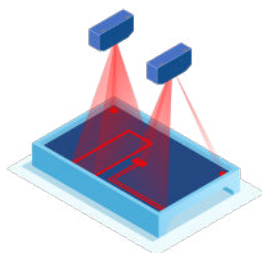
Integration into multiprojector systems



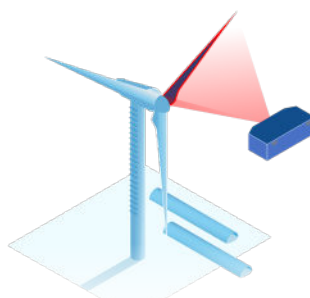
IP65

Highlights

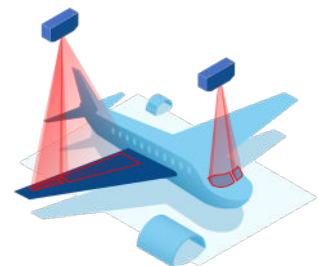
- Easy replacement of essential components by the customer in the field with a downtime of less than 1 hour
- Intuitive API for easy integration with customer software and existing systems
- Standardized power and network components avoid additional costs
- Optimized for working areas up to 10 m x 10 m and projection distances up to 20 m
- Adjustable focus enables precise projections at different distances and on different surfaces
- Accuracy of better than +/- 0.1 mm/m for highly precise results
- Fine 3D line quality even at high projection distances ensures visible and clear projections



Concrete and building elements



Production of rotor blades for wind turbines



Aerospace industry

System specifications

Laser source	
Wavelength	nm
Output power	
Laser class (on EN 60825)	
Optics	
Recommended working distance	m
Recommended projection angle	°
Accuracy ⁽¹⁾	
Weight	kg
Dimensions	mm
IP protection class	

Fiber-coupled green laser diode

520
High Power
3R
Focusable
up to 20
76 x 60 (80 x 60 max.)
0.1
ca. 6.6
500 x 200 x 141 (181 incl. fan)
IP 65

Software / handling

Software	
Control	
Graphics format	

ZLP-Suite
ZLP-Manager (GUI), API (C++, C#, Rust and Python SDKs), PLC (Siemens S7), Remote control
Step, IGES, DXF, PLY, ULB6, HPGL, more on request

Electrical specifications

Operating voltage ⁽²⁾	VDC
Power consumption	W
Interfaces	

24 (±5%)
50 typ. (100 max.)
Ethernet TP, 100 Base TX Cat6

Ambient Conditions

Operating condition	°C
Storage temperature	
Humidity	%

+0 up to +50
-20 up to +70
< 80% relative, non-condensing

Distance projector to workpiece (in mm)

1 000
2 000
3 000
4 000
5 000
6 000
7 000
8 000
9 000

Maximum extension of the working area (in mm)

1 562 x 1 155
3 125 x 2 309
4 687 x 3 464
6 250 x 4 619
7 812 x 5 774
9 375 x 6 928
10 938 x 8 083
12 500 x 9 238
14 063 x 10 393

⁽¹⁾ At constant 28°C block temperature, optical angle 50°, inclination of 0°.

⁽²⁾ The input voltage must be applied via the supplied power supply unit.