

Model ZLP1 Compact, powerful, and easy to use

ZLP1 is a cost effective entry to laser projection. It is the smallest laser projector in the Z-LASER ZLP family.

ZLP1 is directed to 2D and 3D applications like pick-and-place, logistics and workstations. Enlarge and optimize your production or workflow by this easy to use laser projection system. ZLP1 is eye-safe (laser class 2M) and covers working fields from $1.0~{\rm m}$ x $1.0~{\rm m}$ up to $3.5~{\rm m}$ x $3.5~{\rm m}$. Possible working distances range from $1.0~{\rm m}$ to $3.0~{\rm m}$.

We offer our own software ZLP-Suite, which has an intuitive software interface with many customizable options and as a result customers can adapt the settings according to their specific application. Furthermore, ZLP-Suite can be upgraded with additional software modules. Thanks to its numerous connectivity options the laser projector can be operated through various software interfaces such as C++, C#, Python or even with Microsoft Excel and Microsoft PowerPoint.

Ask Z-LASER for OEM integration.







Optical angle 60°



2D and 3D projection



Integration into multiprojector systems



Active or passive cooling system

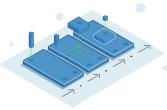


e or passive IP54



Highlights

- Cost-effective laser projection system
- Optimized for interactive learning applications and workstations
- Passive or active cooling
- Easily operable via a variety of software interfaces
- Easy integration into multi projection systems
- Projection of 2D and 3D objects
- Data transmission via ethernet



Assembly Assistance



Put-to-Light



Pick-and-Place



Quality Control



Logistics



System specifications

system specifications	
Laser source	Green laser diode
Wavelength	520 nm
Output power	5 mW ⁽¹⁾
Laser class (on EN 60825)	2M
Fan angle	60° x 60°
Accuracy (2) (depends on projection distance)	3 mm/m
Working distance (fixed focus at 2 m)	1 m up to 3 m
Frequency of projection	Max. 50 Hz (depends on the projection)
Weight	3.4 kg (plus ca. 1.4 kg for separate power supply)
Dimensions (L x W x H)	314 x 111 x 96 mm (137 mm incl. fan) 12.36 x 4.37 x 3.77 in (5.39 incl fan)
IP protection class	IP54
SDK	C++, C#, Python VBA (Excel, PowerPoint)
Accessories	HPGL / HPGL 3D
Accessories Optional accessories	
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^{(1) (}TÜV CDRH certified nominal at beam exit)

 $^{^{(2)}}$ (At 32° C block temperature, optical angle 60° and 0° inclination)