

# Installation Requirements for ZLP1

Please ensure that the following conditions are met for the installation:

## 1. Installation location:

When installing one or more laser projectors, it is important to ensure that the installation location is free of vibrations and other mechanical stress/movement. As per the specifications, it is important to ensure that the ambient temperature at the installation location of the laser projector does not exceed 40°C and that constant air exchange is provided. Trapped heat should always be avoided.

## 2. Power supply:

The laser projector requires an earthed socket within a radius of approximately 1,5m that can be switched off and also has over-voltage protection. It makes sense to have a switch near the control PC or a way to shut down the system via an uninterruptible power supply with overvoltage protection.

The maximum power consumption during operation at ~220V/50Hz is approximately 40W (max. 70W) per projector.

## 3. Control PC and data connection:

The control PC must be equipped with a Windows 10 operating system or higher. The administrator password for the Windows operating system must be known! When using the graphical user interface (ZLP-Suite), a HD screen must be used and Open GL2.0 must be installed on the control PC. For the data connection to the projector a network card must be available. Standard network card 10 / 100Mbits.

## 4. Network connection:

The laser projector(s) communicate with the control PC via a network connection. When integrating the control PC and the projectors into a company network, a switch with a corresponding number of free slots must be available. Please make sure that a network connection socket in the vicinity of the projector is prepared at a distance of approx. 1,5 m and that the connections on the switch are „patched“.

The preparatory work required for this is your responsibility and needs to be have been completed before our engineer travels to your location. All costs associated with this preparatory work are to be borne by you.

When calculating the costs for installation and training, we assume that this work is to be performed on site and within the number of working days specified in the quotation. Should any appreciable delays occur due to local circumstances that are not within our area of responsibility, such as a lack of preparation on your part, absence of your responsible engineer, etc., or if a further visit is required, the costs associated with this are also to be borne by you.

Our quoted prices are valid for 60 days and are ex works Freiburg plus tax (VAT).

1-year warranty from date of installation:

The warranty is a manufacturer's warranty and encompasses free-of-charge repair or replacement of components (with the exception of wearing parts), as well as the costs for working times at our facility in Freiburg, Germany. Services performed on site at your facility are invoiced separately as per our service price list.

Simply get in touch if you have any questions. We are always happy to help. A contractual relationship is only entered after an order confirmation has been issued. Our standard terms and conditions apply.

We hope our quotation meets your expectations and look forward to hearing from you.

Best regards,

**Z-LASER GmbH**