



# Technical Specifications

## October 2011

### Staging

It is important that we work with the production or events company closely during the planning stages of the event to ensure that the essential safety requirements and our basic needs are met.

We tailor our equipment and setup for each individual event and the laser and stand can be setup on top of, in front of or even built directly into a stage. Please contact us to discuss this. For most foreign bookings we advise building the stands into the stage to save on excess baggage costs (please see below).

Minimum ceiling height above the stage is 12ft. Our current platform is 20" high and measures 4ft x 4ft. It must be placed on a flat surface.

### Laser and Audience

Green Fairy Productions can provide the appropriate risk assessment for all venues. We comply with all government regulations pertaining to the use of theatrical lasers. Our engineers are all highly trained by the leading laser safety experts in the UK. All of our equipment meets the required standards set out for use in the UK and Europe.

We recommend that the audience be seated directly in front of Lumina, however we can offer a restricted performance which will allow people to sit around the side as well. Please be aware that in doing this restricted performance, the intensity of the show will be compromised.

***There must be no reflective surfaces directly above the Lumina stand (such as a mirrored ceiling). There must be no cameras or projectors above or close to the Lumina stand. There can be no air conditioning on for 10 minutes before the performance or during the actual performance itself.***

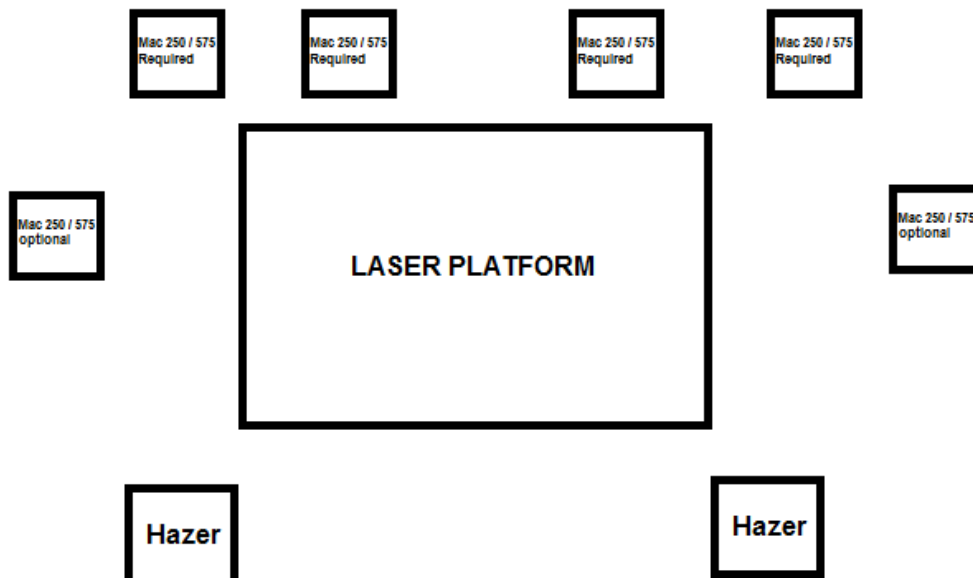
## Lighting (per laser platform)

We recommend the use of the Lumina lighting rig, which has been intricately choreographed to fit with the soundtrack and will provide maximum impact. This uses industry-standard fixtures and control (Martin MAC250 Krypton, 575 Krypton and Avolites Pearl). Please call for more information on this.

We can work with a production company's lighting rig, but we will require extra rehearsal time on the day to work with the lighting technician. The minimum requirements for the show are;

**A front wash of strong congo-blue lighting.** This should be strong enough to light the violinists face. We do not use any other colour light from the front. Once these are set, these do not have to move and may stay on throughout the whole show.

**Rear profiles.** For this we recommend either 4 or 6 Martin MAC250 Kryptons, MAC575 Kryptons or Robe 575 Spots). The standard layout is below –



There should be a minimum of 3 scenes pre-programmed into the supplied desk. These should be –

- 1) Congo blue stage wash (all other lights off)
- 2) Congo blue stage wash with a slow moving gobo chase around the violinist in white.
- 3) Congo blue stage wash with a fast moving open gobo random strobe into the audience.

We will give the lighting operator specific times on when to use these.

### **Ambient Light**

As with all laser based shows, Lumina requires the room to be as close to complete blackout as it is possible to get.

### **Haze**

It is absolutely essential that we are able to use water-based haze machines. Without this the laser beams will be invisible and Lumina will not be able to perform. Please ensure that this is cleared with the venue well ahead of time.

We travel with 2 of our own haze machines to most shows (4 if a Lumina duo performance), however any addition to that is always welcome. If we are doing an overseas show we will need to have them supplied for us.

### **Air Conditioning**

There can be no air conditioning on for 10 minutes before Lumina's performance or at any time during the performance. Air conditioning will blow the haze away from the platform and make the lasers invisible. This causes a safety hazard for the performer.

### **Sound**

Lumina travels with their own Production Manager, in ear monitoring system and radio pack. We will require the following to be supplied –

#### **PA System**

- The system should ideally be a minimum of three-way, but preferably four-way active system from a reputable manufacturer (eg Turbosound, D&B, L'Acoustics). Mackie, Peavey, TOA, Behringer, HK or similar manufacturers are not of acceptable quality.
- The system should be run in stereo unless unsuitable for the room.

- The power of the system must be suitable for the size of the room and type of event (utilising delays and lip-fills where appropriate). It will require separate bass bins no matter the size of the PA.
- An experienced system technician should be present during the soundcheck and the show to ensure that the system is running properly.

### Desk

- The desk should be a minimum of 16 channels and preferably digital, from a manufacturer such as Yamaha, Soundcraft, Midas, DigiCo, Digidesign. Mackie, Peavey, Roland and similar manufacturers are not of acceptable quality.
- We will require 4 dedicated channels in and a pre-fade stereo aux out (2 x XLR's). Please double this for a Lumina duo performance).

## For Overseas shows or shows that require us to fly

Please note that Lumina does not fly with her own radio pack, in ear monitoring system or haze machines. We will require the following to be supplied for us please:

- 2 x stereo channels good quality In ear monitoring system, such as Sennheiser G2 / G3 or Shure PSM900. (one live, one spare). They need to be supplied with good quality headphones such as Westone UM2 / UM3. (Double this for Lumina duo performances)
- 2 x channels good quality radio system complete with bodypack and ¼" jack instrument leads. This should be either Shure UHF-R / Sennhesier 2000/3000/5000 series. (Double this for Lumina duo performances)
- 3 x water based haze machines and 2 x stage fans. (5 x hazers and 4 x stage fans for Lumina Duo performances)

Lumina does fly with her own laser and laser platform for solo performances. For duo performances we require 2 x lasers to be provided (minimum 2 Watt). Please note that the hire costs are included in the overall price quoted.

The excess baggage requirements are as follows: (again please double this for **Lumina duo** performances).

- Please no budget airlines due to the nature of the equipment we are transporting.
- 2 x cases of excess baggage (on top of the 2 regular hold bags).  
Bag 1 = 30 Kg and is 51" x 27" x 7"  
Bag 2 = 28 Kg and is 26" x 25" x 8"

We do recommend building the laser platform for us in the respective venue if at all possible. We can either supply the Perspex glass (Bag 2 excess baggage) or this can be supplied for us as well. Diagrams can be sent to the production team in advance.