



artificial



25 bulbes in Barcelona, june 2004

CONDEMNED_BULBS INSTALLATION TECHNICAL RIDER

This rider describes an installation of 25 to 49 light bulbs. Please consult the *amplification option* for an amplified adaptation.

rev 1.7 OCTOBER 24 2007

1.6 JUNE 26 2007
1.5 JANUARY 21 2007
1.4 APRIL 17 2006
1.3 SEPTEMBER 11 2005
1.2 FEBRUARY 5 2005
1.1 JUNE 14 2004
1.0 DECEMBER 10 2003

THIS RIDER IS PROVIDED AS A BASIS FOR IMPLEMENTATION. SPECIFIC DETAILS ARE TO BE SET IN SITU, AND IN FUNCTION OF THE AVAILABLE ELECTRICAL POWER. SOME IMPORTANT DETAILS ARE TO BE CONFIRMED WITH THE ELECTRICIAN OF THE HOUSE BEFORE COMMITTING A FINAL SPECIFICATION.

[A] PROVIDED BY THE PRODUCER

A.1 VENUE

The venue should be very dark and quiet. No other sound installation can coexist in the bulb's acoustic space **which means closed doors or walls**. Some items should be provided for the public to lay on (eg dark exercise mats or couches). Venue can be white or black. A secure area must be accessible for the installation of the computer.

A.2 HANGING STRUCTURE

A hanging structure must be installed per our plan (see examples of previous work). Many methods are fine with us, **as long as the line are absolutely parallel and in the correct angle** (generally a few degrees off the actual room angles). Bulbs are spaced approximately 1.25m so the size of the grid is mostly dependent on the number of bulbs. They are not heavy so we don't need that much strength in the structure – as long as it's straight!

The producer provides the AC wiring – round, flexible 2 conductor 15A (black or white dependent on location) which are connected to ceramic sockets and dimmers connectors (that we provide). The total length will be calculated with the final plan. The producer's technician will be installing the feeds of wire from the dimmer location to the points specified on the plan — this can be done even before our arrival and it this is the ideal scenario as we can use maximum time for artistic preparation.

A.3 ELECTRICITY DISTRIBUTION

For each group of 4 bulbs, we need a circuit of **30A 120VAC 60hz single-phase**. If breakers are present they must be able to handle rapidly changing loads, as well as strong transients in the waveform. The dimmers are not heavy (4 kg), so we can put them on the grid if 30A feeds are available there. Our dimmers have built-in 30A breakers with which we can assemble an ad hoc distribution if a larger source is available. This is generally borderline in terms of electrical code regulation and **must be executed by a locally professional electrician under the responsibility of the producer**.

NOTE: It is possible to do the installation with **240VAC AND/OR 50hz** but **this compromises the stability and sonic quality of the installation** (which is based on the raw «sound» of electricity). If your local electricity is not 120VAC/60hz it is **strongly recommended to hire a generator**.

A.4 CONTROL COMPUTER

A Macintosh G4 >800mhz with 512MB of RAM, clean install of OS X 10.4.10 (or more recent), keyboard and monitor, internet access for the setup period. Mac minis are great!

A.5 PERSONEL

The grid structure installation and hanging of the wires is highly dependant on the location — your technical director will be able to evaluate technician time for that. Likewise for the electricity distribution. Once these elements are installed and functional, we are completely autonomous and need no extra help (except in case of problem).

[B] PROVIDED BY THE ARTIST

The light bulbs (!)
Ceramic sockets and U-ground AC connectors
Dimmers, DMX cables and the computer-DMX interface

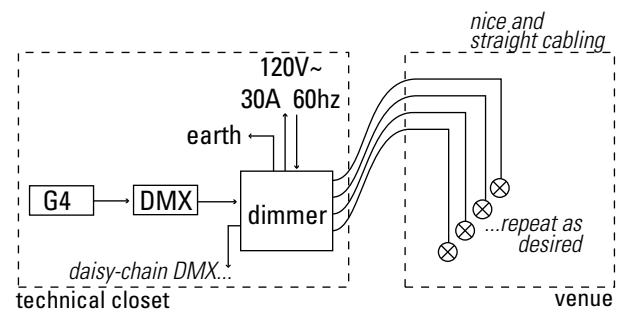
[C] SCHEDULE

Getting everything running is mostly dependent on the producer's technicians (electricity and grid). In general we found that it takes 2 days for technical setup, and 1 day artistic tuning.

[D] SHIPPING

For a 36 bulbs installation, shipping means approximately **3 wooden crates of dimensions 90x65x45cm weighting 50kg each (for a total of 150kg)**. We will provide exact measurements on a case-by-case basis.

[1] SCHEMATIC for 4 BULBS



[2] PRODUCER'S EASY CHECKLIST

- Proper venue with hanging structure
- AC Wire (length TBD based on plan)
- Technicians for the setup
- Enough power for the dimmers
- Mac PPC G4 800mhz or higher; clean 10.4.10 install
- Small budget for adaptations

[3] HOTEL SPECIFICATIONS

- Single rooms
- In-room Internet (paid for if needed)
- Breakfast until 11AM (or compensation)
- Effective transportation to/from venue