

# Manual for LTH Professional Prestige 10.000W Xenon



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## Safety Instructions:

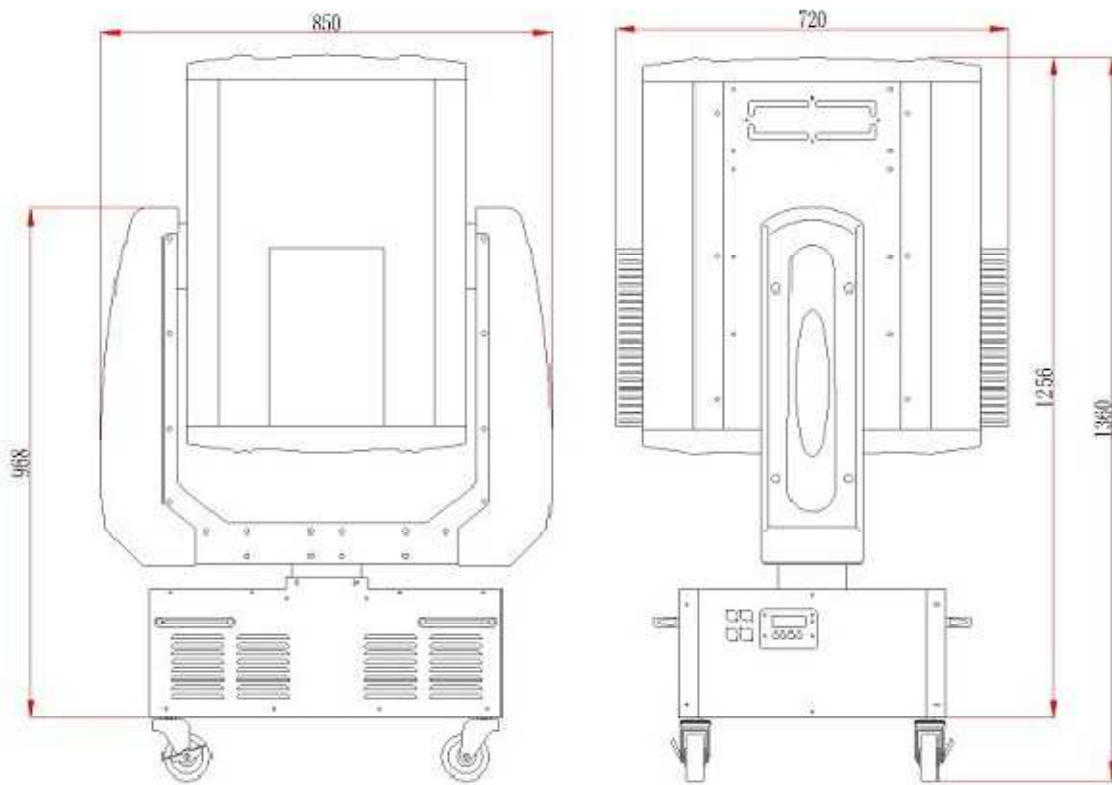
For safe and experienced using of the spotlight, you have to read this manual carefully and be familiar to the safety instructions. In this manual you can find instructions for installation and usage of the spotlight that should be obeyed at any time.

## Warning!

Make shure, that there´s no person or any other item under the spotlight during the installation process!

## Technical Specifications:

Dimensions:



1. Mechanical dimmer from 0-100%; electronic Dimmer 20-100% with energy saving functions; electronic strobe effect 0-25Hz
2. CMY color mixing
3. Diffusion effect
4. Motorized zoom effect ( optional )
5. Speed adjustment
6. Pan 360° 16bit
7. Tilt 330° 16bit
8. Automatic switch down of the lamp at malfunctions and closed dimmer; increases the lifetime of the lamp and the reliability of the spot-light
9. 10 high precision high speed step motors with high speed processing
10. Optical system based on a special coated glass reflector with outstanding photometric and heat absorbing abilities
11. Electronic power supply with a hot lamp re-strike function and a great tolerance among the voltage
12. Power-Connection: AC200-240V 50-60Hz
13. Xenon-Lamp: XQ4000W, XQ5000W, XQ7000W, XQ10000W
14. Power Consumption: 4500W, 5600W, 7600W, 10800W
15. Prevention function of overheating
16. Control via DMX512
17. Lamp housing made of aluminium and plastics
18. Dimensions: 900mmx730mmx1550mm
19. Weight: 113KG
20. Corresponds to the IP54 specifications

## **DMX-signal connections**

1. For connection between the controller and the spot-lights a shielded twisted pair cable must be used. 24AWG for a length up to 300m, 22AWG for a length up to 500m. For a length exceeding 500m a repeater must be used.
2. Do not use a Y-adaptor. For splitting the DMX-signal a DMX-signal-splitter must be used.

3. For each DMX-line there shouldn't be connected more than 24 fixtures.

### DMX-channels:

1	0~229 230~239 240~255	Lamp-control	Lamp strike Lampe off Lampe strike
2	0~143 144~255	dimmer	Intensity Strobe
3	0~127 128~239 240~255	shutter	Closed~Open Strobe Open
4	0~255	cyan	0~100%
5	0~255	magenta	0~100%
6	0~255	yellow	0~100%
7	0~225	Frost	0~100%
8	0~225	Focus	0~100%
9	0~225	pan	Left ~ Right (128=Neutral)
10	0~225	pan fine	3,6°
11	0~225	tilt	Up~Down (128=Neutral)
12	0~225	tilt fine	3,6°
13	0~225	pan/tilt speed	Fast ~ Slow
14	0~225	CMY speed	Fast ~ Slow
15	0~127 128~255	macro	No Function Macro activated
16	0~229 230~239 240~255	system reset	No function Reset (after 5s) No function

### Warning!

Take care, that there are no persons or any other items 2m in front of the light exit because they can be seriously injured caused by the extensive light- and heat-radiation.

## Installation of the xenon-lamp:

**Please wear protective equipment and follow applicable regulations!**

1. Fix the lamp-head

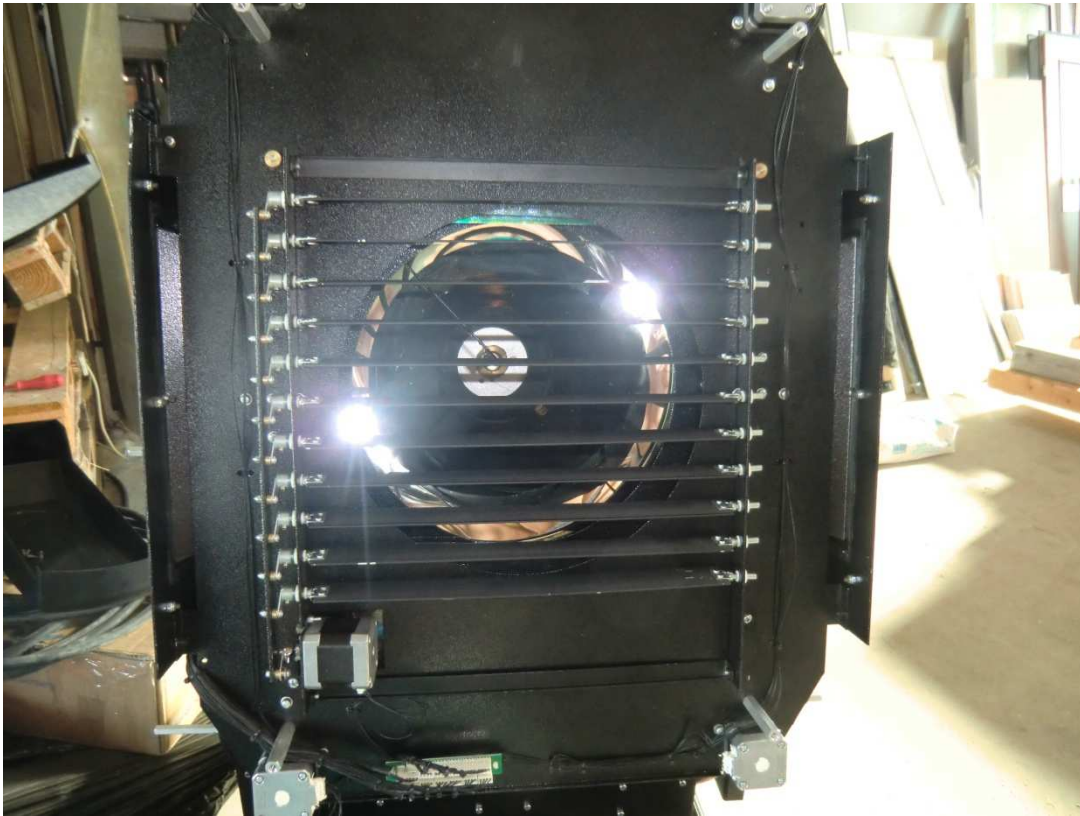


2. Take of the front-cover





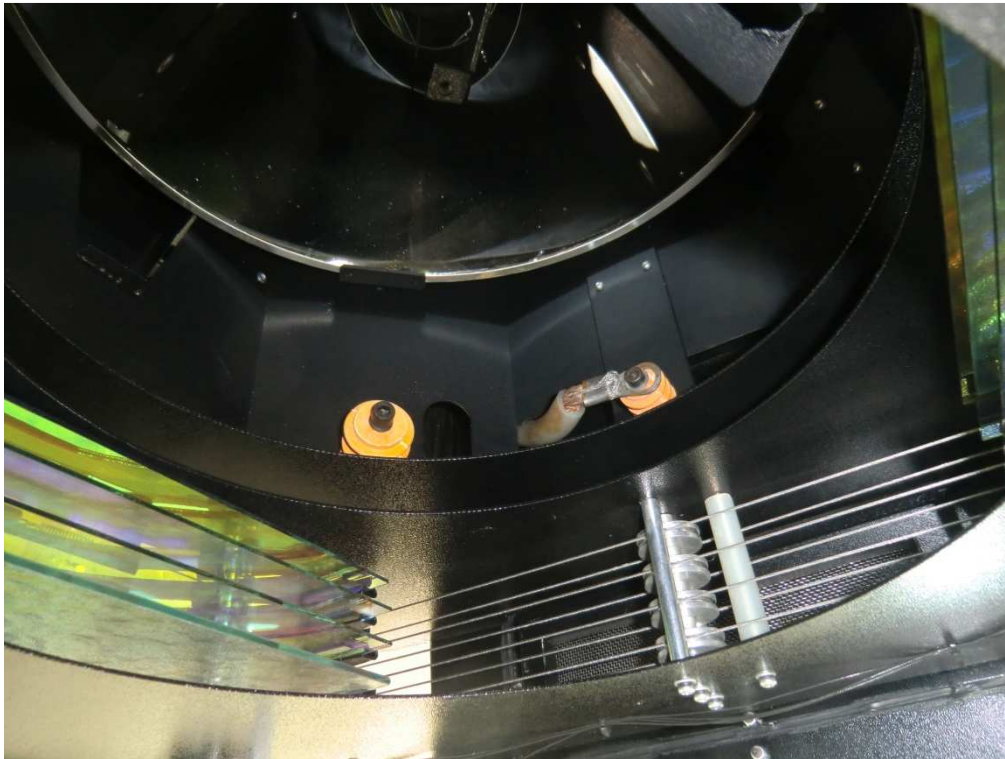
3. Take off the shutter



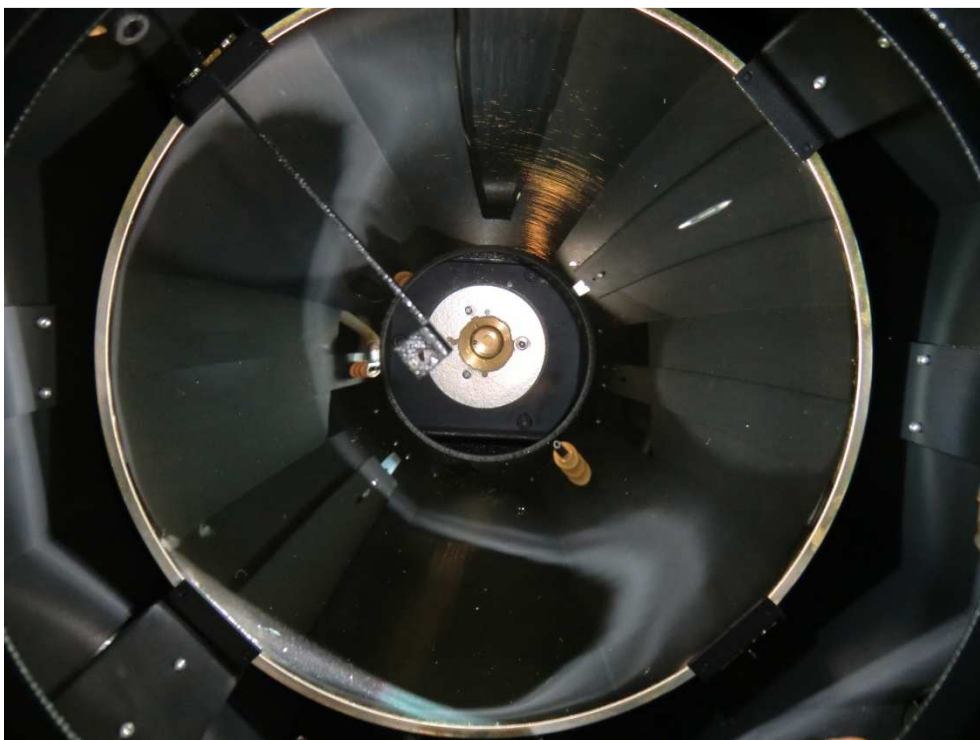
4. Open the panel on the rear side of the spot-light



The xenon-lamp must be connected to the screw on the right side, where the cable is fixed. The attachment of the lamp must be fixed to the screw on the left side.

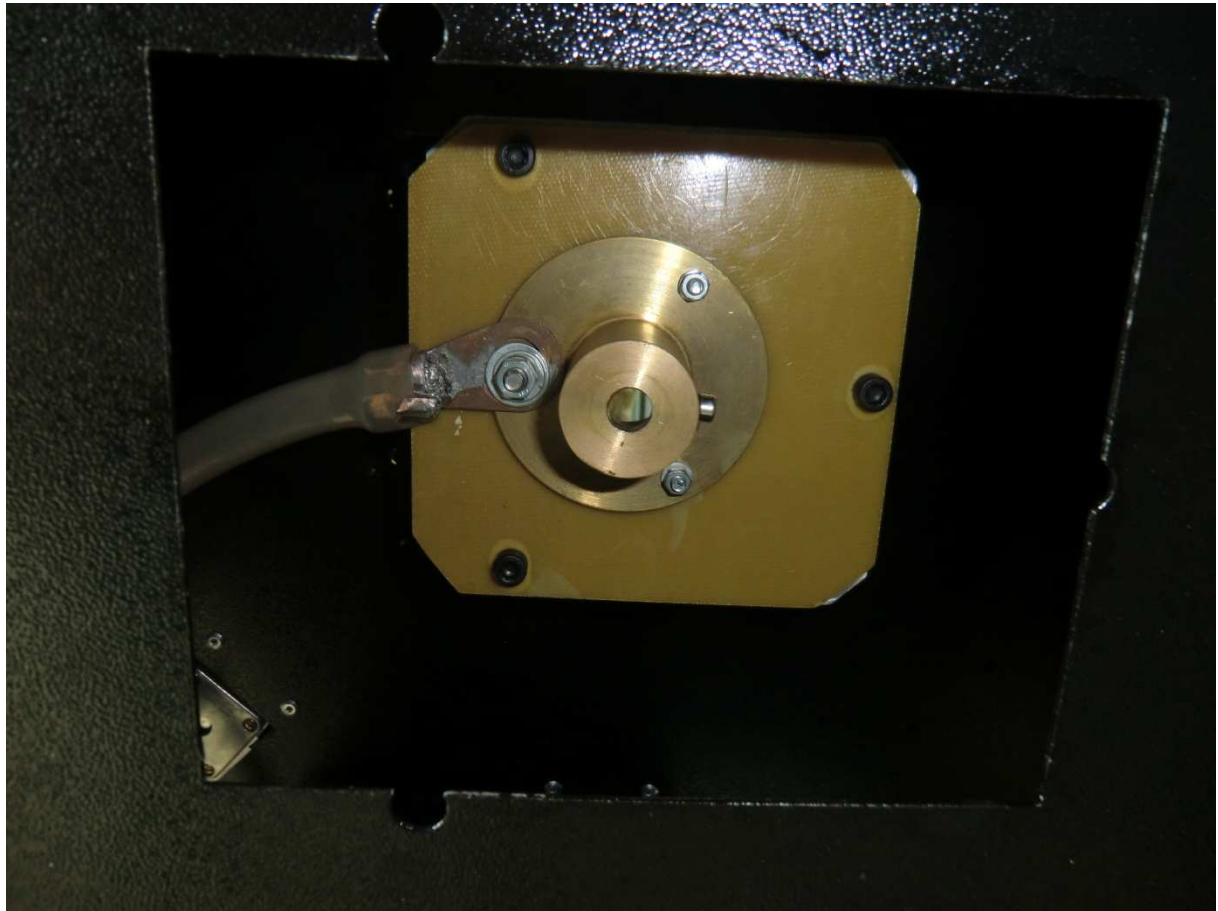


The lamp will be inserted from the front and fixed to the screw on the back.





After that it must be fixed at the front side.



Lamp adjustment will be done with the shown hex-screws.

### **Warning:**

1. Follow the applicable regulations regarding the statutory laws for installation and dimensioning of the suspension supplies among the fixture's weight.
2. Be sure, that there are no flammable items within 50m around the spot-light.

### **Safety-Information:**

**Warning!** This fixture was designed for professional and trained usage. When you use this product you should take care of the following risks: fire, heat, uv-radiation, explosion of the lamp. You should read the instructions carefully before installation of the lamp. Follow the safety

instructions at any time. If you have further questions about the safe usage of the fixture, contact your dealer or the manufacturer.

### **Prevention of accidents:**

- Cut off the power-connection before you handle with the xenon-lamp.
- Choose an appropriate power supply and voltage and make sure, that the circuit breaker is well dimensioned.
- Avoid an explosion of the lamp and exiting uv-radiation.
- Don't run the spot-light with a damaged or even without a lens
- Let the fixture cool down before you handle with the xenon-lamp.
- Don't short circuit the temperature monitoring.
- Keep the spot-light away from flammable items ( 50m safety distance ).
- Don't illuminate objects, that are closer than 80m.
- There mustn't be any items disturbing the cooling in a safety distance of 0,5m.
- Don't mount any filters in front of the lens.
- Don't apply any modifications onto the lamp.
- Don't use the spot-light in a surrounding temperature exceeding 40°C.

## Maintenance:

The following instructions should followed during the maintenance of the fixture:

1. Cut the power supply
2. Bring the lamp-head in a vertical position and open the covers after loosening the screws.
3. Check that the fans are not much polluted and are able to rotate properly.
4. For cleaning the light exit clean it's necessary to clean the parts as follows:
  1. Use a cleaning cloth and vitreous cleaner for cleaning the color filters and lenses. Warning: Do not use any alcohol based and organic cleaners!
  2. It's suggested to use a brush and a vacuum cleaner for cleaning the interior.

## Fehlerbehebung:

Fehler	Ursache
The fixture doesn't react, and doesn't reset, the control-led is not bright.	The power supply is bad, or the fuse of the spotlight has triggered
The lamp has powered up, reset will be processed, but the spot-light doesn't react to any control	Failure on the dmx-connection, or wrong address
The xenon-lamp doesn't power up	Voltage is to low, the lifetime of the lamp is exceeded
Low light output	The lifetime of the lamp is exceeded, the lens is not cleaned
The lamp shuts down unexpected	The fixture became to hot. Check the fans.

Händler:

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