aurora 1000F

LED light for broadcast, photo, and video studios

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Marking

CE

1. Introduction

This guide provides information on how to use the product functions to get the full effect and benefits of the Aurora 1000F light, as well as warnings on its use. The Aurora 1000F is designed for professional use, for interior locations or studio and must only be operated by qualified technical personnel. To obtain the maximum features, please read the following operating instructions very carefully before using the product for the first time. Please keep these operating instructions for you and subsequent users to reference in the future.

- **Safety Precautions**
  For your own safety, please read and follow all safety instructions and warnings.

- **Exemption from Liability**
  The manufacturer, disclaims liability for any damage to persons or property caused by inappropriate operation, damage of this kind lies in the responsibility of the operator.

- **Warranty**
  This product is manufactured to local specifications and the warranty is valid within the country of purchase. Should the product fail or malfunction, while you are abroad, the manufacturer assumes no responsibility for servicing the product locally or bearing the expenditure incurred thereof.

2. SAFETY PRECAUTIONS

This equipment has been checked and meets the requirements of general safety for electronicdevices. These requirements are specified, to provide a reasonable protection against electromagnetic interference, when the equipment is used in commercial environments.
This equipment generates, uses, and can emit waves of radio frequency, and if not properly used following the instructions in this manual, can produce interference in radio communications.
The use of this equipment in residential areas can produce interference; the user will be the only one responsible in correcting them.

1. Please read the following operating instructions very carefully, before using this fixture for the first time.
2. In order to protect against risk of electric shock, the installation should be properly grounded. Non-compliance or using a non-grounded type plug will expose you to the risk of electric shock.
3. The lamp head acts as a heat sink through its rear section and the surface can reach a temperature around 60 ºC.
4. Do not attempt to open any of the device or component housings. To reduce the risk of electric shock, do not remove lamp head cover. No user-serviceable parts are inside.
   Maintenance and repair work to be carried out only by authorized Service Centre.
5. Do not store or use under humid or moist conditions for an extended amount of time.
6. Do not cover the vent holes while using it. Proper ventilation must be provided.
   Avoid exposing the lamp head to the heat radiation of other light fixtures.
7. Keep this equipment out of reach of children

■ Features

- **HIGH LIGHT OUTPUT**
  Utilizing high efficient LED chips, Aurora 1000F features 2,890 lux at a 1m distance with a beam angle of 109.8°.
  Brightness achieved reaches 1kW of conventional light, whilst consuming 85% less electricity.

- **CUTTING AND SHAPING**
  4-way barn doors are supplied and also a slot for gel-frame insertion is equipped at the front. Cut and shape the Light as you wish. Front screen diffuses harsh light and throws soft and yet bright light.

  An optional pole-operated yoke is available and enables easy panning and tilting of the light

- **BROAD DIMMING RANGE**
  1000F photo version dims from 20% to 100%. An on-board dimmer knob allows one to control power with great accuracy, featuring smoo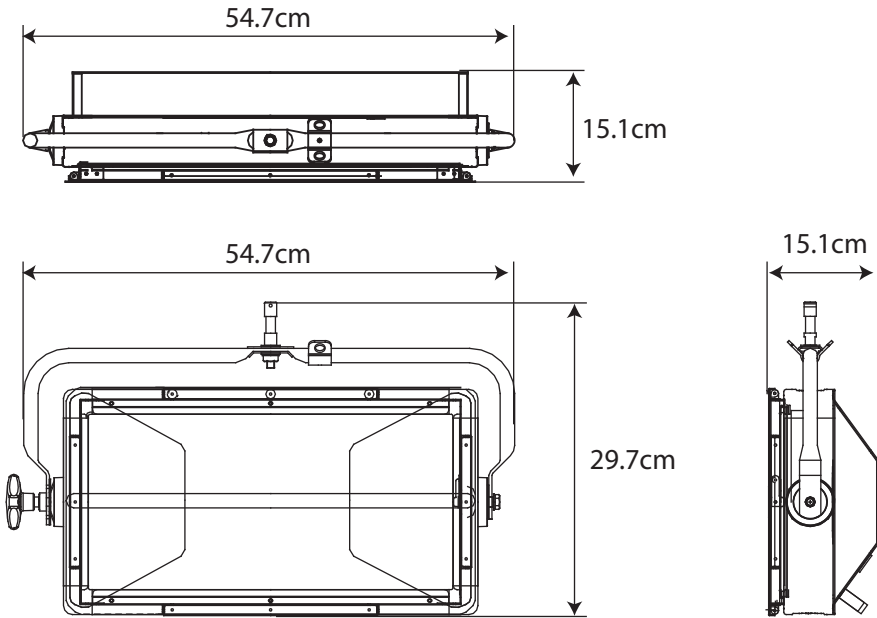th and gradual increase and decrease. 1000F broadcast version dims from 0% to 100%. Soft touch buttons on board enable full power control, as well as DMX channel setting when connected to a DMX control unit.
  Integrated 5-pin DMX in and out ports are for full DMX control.
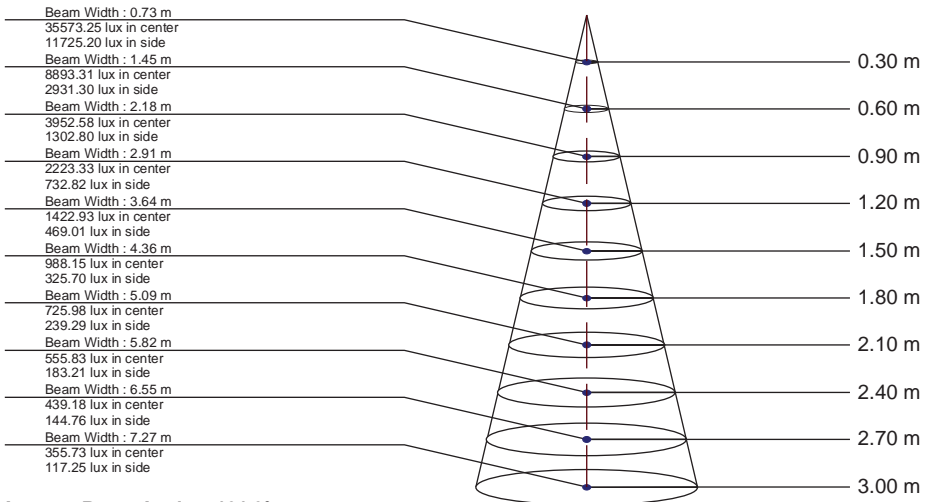
■ Specifications

Power consumption	150W
Color temperature	Day Light version: 5600 ± 200°K Tungsten version: 3200 ± 200°K
Dimming	Broadcast version: 0% - 100%, on board control or 5-pin DMX Photo version: 20% - 100%, on board control only
Power supply	90V – 240V AC
Dimensions	54.7 (L) x 29.7 (H) X 15.1 (W) (cm)
Weight	9kg
Operating temperature	-20°C - 40°C

◼ Dimensions

54.7cm

15.1cm

54.7cm

29.7cm

15.1cm

◼ Photometric Data

Beam Width : 0.73 m
35573.25 lux in center
11725.20 lux in side
Beam Width : 1.45 m
8893.31 lux in center
2931.30 lux in side
Beam Width : 2.18 m
3952.58 lux in center
1302.80 lux in side
Beam Width : 2.91 m
2223.33 lux in center
732.82 lux in side
Beam Width : 3.64 m
1422.93 lux in center
469.01 lux in side
Beam Width : 4.36 m
988.15 lux in center
325.70 lux in side
Beam Width : 5.09 m
725.98 lux in center
239.29 lux in side
Beam Width : 5.82 m
555.83 lux in center
183.21 lux in side
Beam Width : 6.55 m
439.18 lux in center
144.76 lux in side
Beam Width : 7.27 m
355.73 lux in center
117.25 lux in side

0.30 m
0.60 m
0.90 m
1.20 m
1.50 m
1.80 m
2.10 m
2.40 m
2.70 m
3.00 m

Average Beam Angle = 101.0°
Max. Beam Angle = 114.0° at Φ1 = 90°~ Φ2 = 270°
Min. Beam Angle = 90.8° at Φ1 = 0°~ Φ2 = 180°
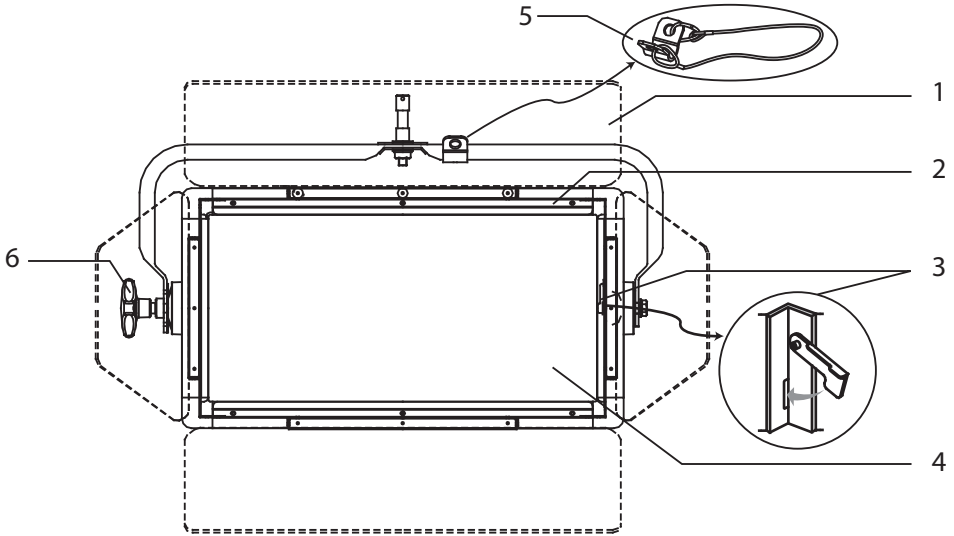
■ Broadcast version

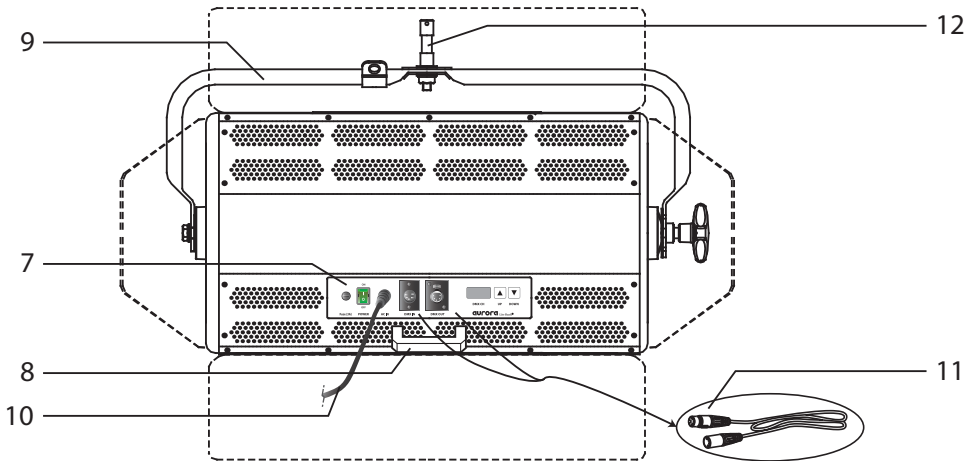1. 4-leaf barndoor (included, not removable)
2. Gel insertion frame
3. Lock for gel filter
4. Front screen
5. Security cable
6. Tightening knob for manual yoke

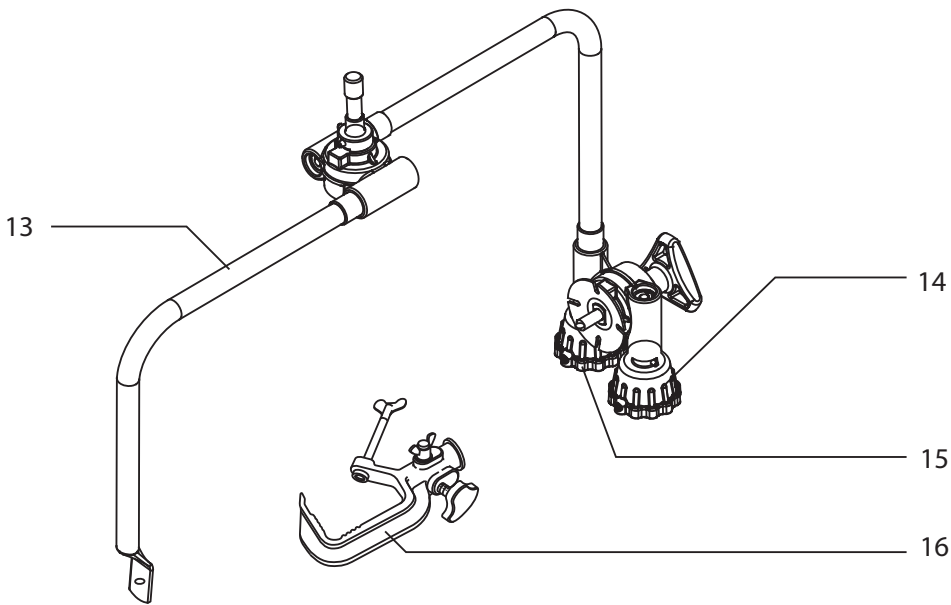7. Control panel with 5-pin DMX in port and out port
8. Handle
9. Manual yoke
10. 1.5m power cord attached (fixed)
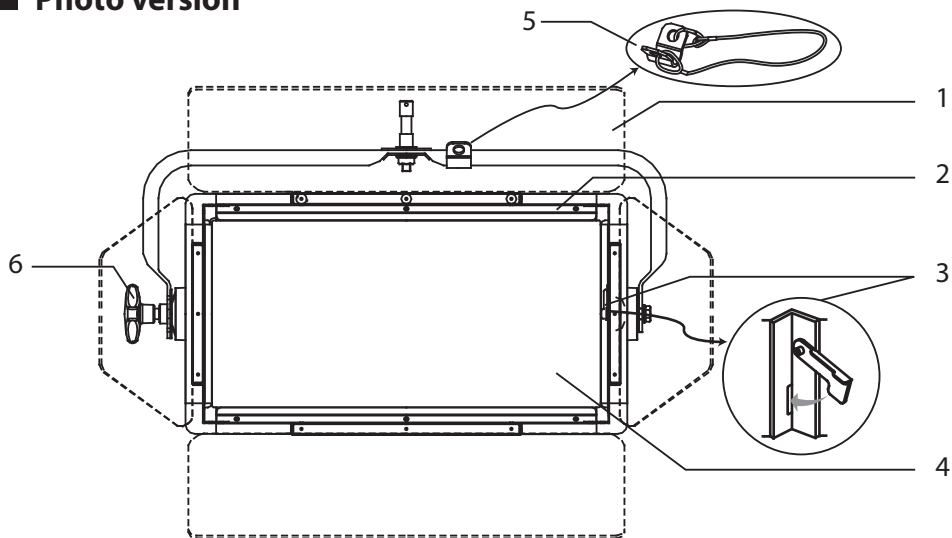11. 2m DMX dimmer cable
12. 3/8" stud

13. Pole-operated yoke (optional accessory)
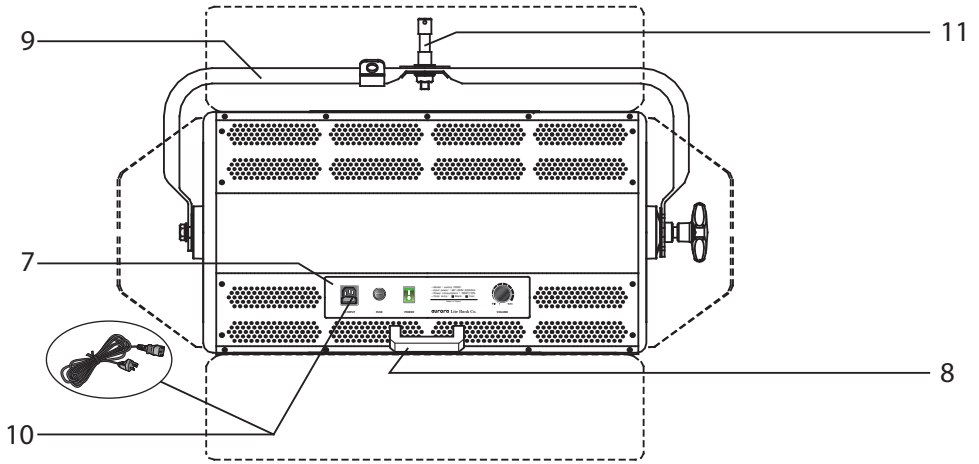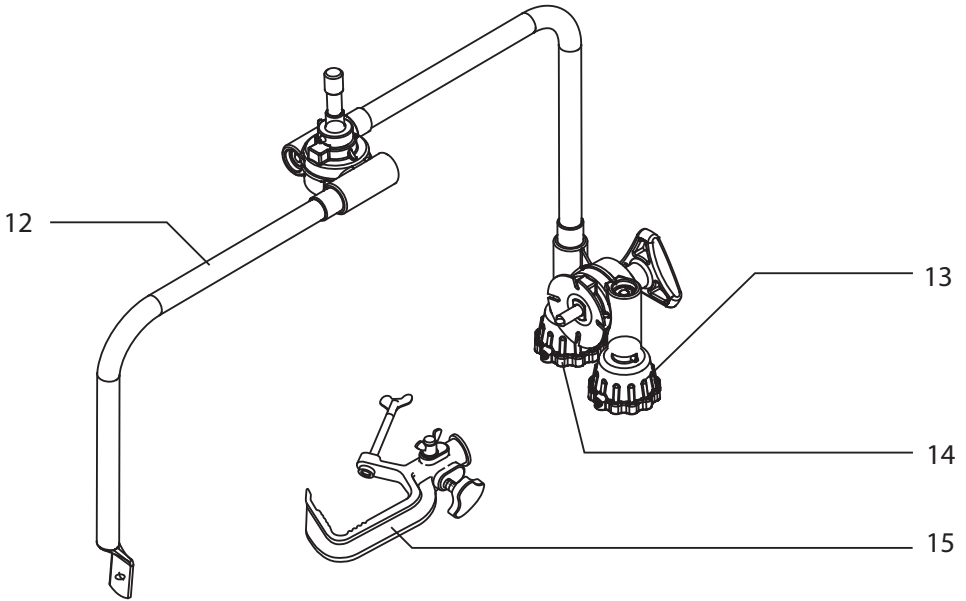14. Adjustment bell-handle for panning

15. Adjustment bell-handle for tilting
16. Clamp (optional accessory)

■ Photo version

1. 4-leaf barndoor (included, not removable)
2. Gel insertion frame
3. Lock for gel filter

4. Front screen
5. Security cable
6. Tightening knob for manual yoke

7. Control panel with no DMX ports
8. Handle
9. Manual yoke

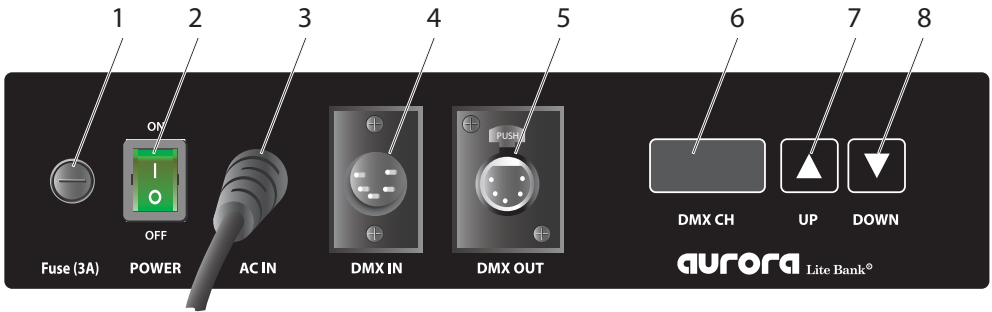10. 5m power cord attached (removable)
11. 3/8" Stud for hanging or stand mounting

12. Pole-operated yoke (optional accessory)
13. Adjustment bell-handle for panning

14. Adjustment bell-handle for tilting
15. Clamp (optional accessory)

■ Broadcast version

1. 3A Fuse
2. Power switch: on/off
3. Power cord (not removable): for power input 90V – 240V AC
4. 5-pin DMX in port
5. 5-pin DMX out port
6. Digital display: DMX channel will be displayed when DMX console connected / in use and light output (%) will be displayed when DMX not connected.
7. UP button: Every push on the up button will increase light intensity or DMX channel
8. DOWN button: Every push on the down button will decrease light intensity or DMX channel. Up and Down buttons are for power increments when a DMX console is disconnected, and for channel control when a DMX console is connected.

■ Photo version
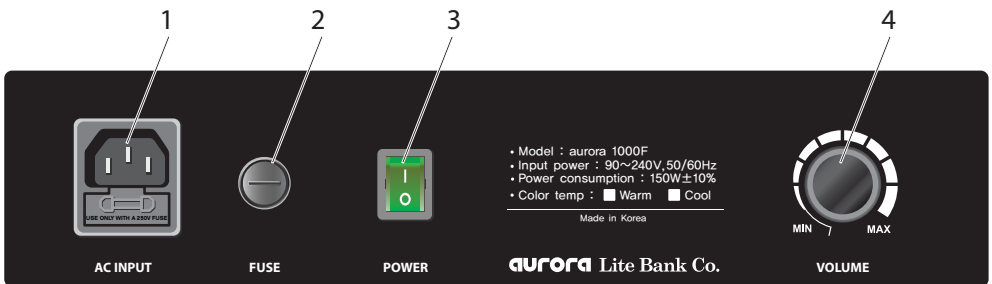
1. Power inlet for input 90V – 240V AC
2. 3A Fuse
3. Power switch: on/off
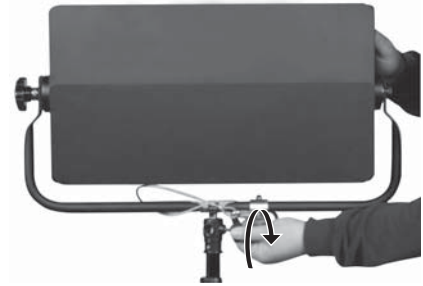4. Power increment knob: dimming range 20% - 100%

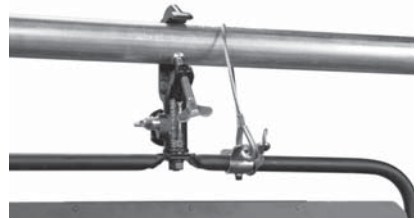## 1) Mounting to a light stand or hanging to a ceiling system

- **Mounting on a light stand**
  Place the unit on to a light stand and fix it, using tightening screw as shown in the picture.

- **Hang to a ceiling system**
  Insert 3/8" stud into a socket in the clamp and tighten retainer knob. Install the unit to a batten and rotate clamp handle (not included), until securely fixed.

  Secure the unit using security cable.

2) Connecting the power cable

For photo version unit, connect the power cable to the IEC inlet. Broadcast version unit comes with a non- removable power cable.

Connect the power cable plug to the mains power outlet.

To avoid electric shocks and/or damage to the equipment, the power switch located at the control panel must be off, before connecting or disconnecting cables.

3) Connecting DMX cable

If DMX control is required, plug one end of the DMX dimming cable into the out port of the DMX console (users own equipment) and the other end to the DMX in port on the Light.
To connect more than one light, connect another dimming cable to the DMX out port in the light and the other end to the DMX in port for another light in serial.

For more than 32 lights, a splitter needs to be used.

4) Security cables

When the lighting unit is mounted in a hanging position or on a light stand, it must be secured with a safety cable.

5) Turning the Power On/Off

Turn on the lighting unit by switching on the power button. The light settings always remain stored when it is powered off.
Warning The light unit is electrically protected against power failures but to avoid possible electric shocks and/or equipment damages, make sure the power switch is off before connecting or disconnecting cables. In cases of shorting, replace the 3A fuse inside the fuse holder, located at the control panel.

6) DIMMER Light intensity variation

Light intensity can be easily increased or reduced, using the UP / DOWN buttons on the control panel. The digital display indicates the selected dimmer value from a minimum of 0 to a maximum of 100. Push the UP button to increase light intensity or push the DOWN button to decrease it.

7) DMX 512 CONTROL

1000F is designed for full DMX control from the 5-pin DMX port, located on the control panel. Connect the DMX cable coming from your console, into the DMX IN connector located at the back. Next to the DMX IN there is also a DMX OUT connector to daisy-chain fixtures.

Address channels

To address channels for the 1000F units, just push the UP or DOWN buttons to increase or decrease the channel. The chosen channel number will be displayed at the window for 10 sec and then disappear automatically. To recheck the channel number, press either up or down button and to readdress it, press up or down button until the wanted figure appears.
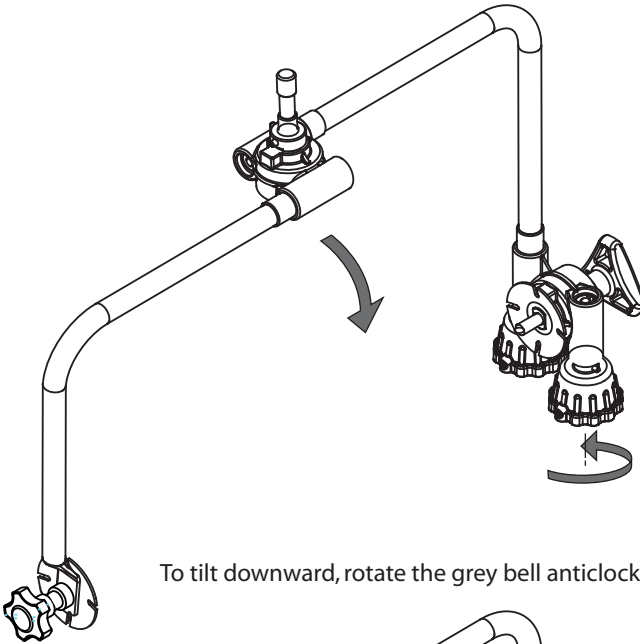
## 8) Yoke for tilting and panning

■ Manual yock
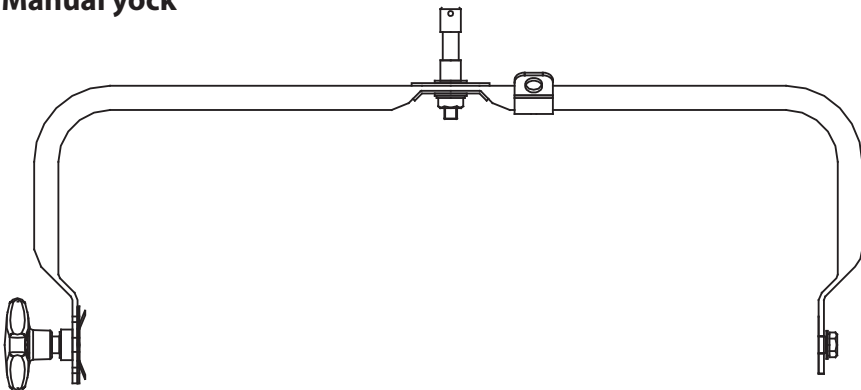
3/8" stud is included but, this can be replaced to a larger or a smaller size stud as per user's preference. The Manual yoke allows user to tilt the unit, but not to pan.

◼ Pole-operated yoke

Pole-operated yoke enables user to tilt and pan the unit without climbing up a ladder.

To tilt downward, rotate the grey bell anticlockwise with or without using a pole.
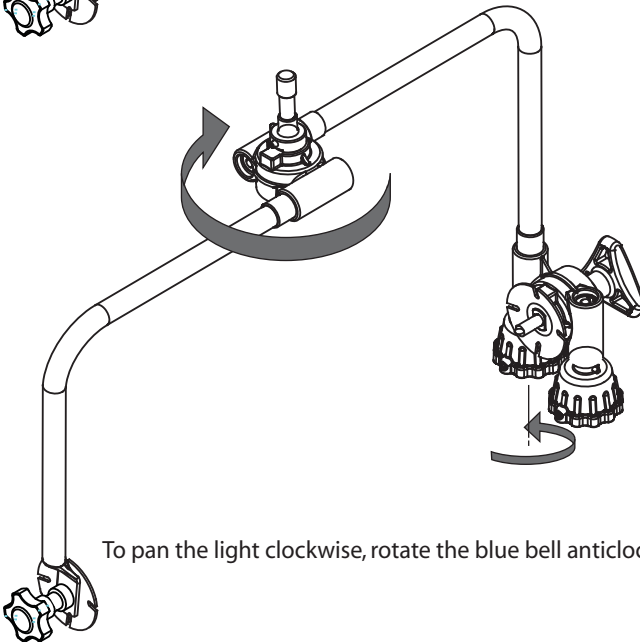
To pan the light clockwise, rotate the blue bell anticlockwise with or without using a pole.

Aurora 1000F is guaranteed to be free from defects in workmanship and parts and carries a two year warranty period from the date of purchase. Defects that occur within this warranty period, under normal use and care will be repaired or replaced at Aurora Lite Bank discretion, solely at our option with no charge for parts or labour. In the event of the equipment malfunction, contact the dealer from whom you purchased the product.

Please note, that you will be not be reimbursed for the cost of bringing the equipment to us or to our authorized dealers or to our service center.

Aurora Lite Bank reserves the right to replace the product or relevant part with the same or equivalent product or part, rather than repair it. Where a replacement is provided the products or part replaced becomes the property of Aurora Lite Bank.

This warranty does not cover any damage resulting from:
- Failure to follow the instructions in the instruction manual;
- Repair, modification or overhaul not conducted by any Aurora authorized or approved personnel.
- Fire, natural disaster, act of God, lightning, abnormal voltage, etc;
- Submergence in water (flooding), exposure to alcohol or other beverages, infiltration of sand or mud, physical shock, or dropping of the equipment and other unnatural causes.

This warranty only applies to the 1000F and not to the accessories, such as the barn doors, nor does it apply to fuses and other consumables provided.

Any consequential damages arising from failure of the equipment, such as expenses incurred in taking pictures or recording images or loss of expected profit, will not be reimbursed, whether they occur during the warranty period or not. Parts essential to the servicing of the light equipment (that is, components required to maintain the functions and quality of the fixture) will be available for a period of five years after the product is discontinued.

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