

Light Source User Guide



Aurora Light Source Range

Models covered by this manual:

UFO 35/42/50/75/100 G
UFO 35/42/50/75/100 P
UFO 35/42/50/75/100 GC
UFO 35/42/50/75/100 PC
UFO 35/42/50/75/100 GCF
UFO 35/42/50/75/100 PCF
UFO 35/42/50/75/100 GS
UFO 35/42/50/75/100 PS

including variations with dimmer and wheel control

Please read this manual fully before installing, operating or performing maintenance on the light source unit.

INTRODUCTION

Thank you for purchasing this UFO Light source.

Please read these instructions fully before connecting your unit to the electrical supply, and keep them for future reference.

The UFO Aurora range of light sources are compact tungsten halogen light source's, suitable for use with polymer fibre.

The Aurora is suitable **ONLY** for use in countries with 240VAC 50Hz mains electrical supplies.

The Aurora features low noise and heat output, an optional factory installed 6 colour colourwheel or decorative twinkle wheel and is available with a choice of five lamp sizes - 35W, 42W, 50W, 75W and 100W.

IMPORTANT

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.



Do not operate without complete lamp enclosure in place or if lens is damaged.

KEEP HARNESS IN PLACE WHEN IN OPERATION.

CAUTION: Hot surface. Keep away from curtains and other combustible materials.

WARNING: RISK OF FIRE/INJURY TO PERSONS. Keep away from combustibles. Unplug to change lamp. Do not touch lamp.

WARNING: RISK OF FIRE. Do not place lamp where the overhead surface is closer than 0.2m to the light source.

IMPORTANT SAFETY INFORMATION

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK OR INJURY TO PERSONS

IMPORTANT SAFETY INSTRUCTIONS

Lighted Lamp is HOT:

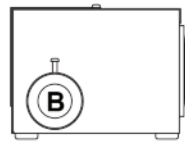
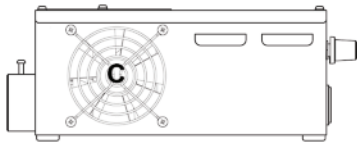
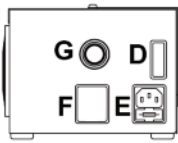
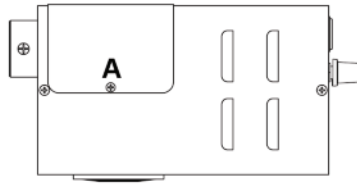
WARNING – To reduce the risk of FIRE, ELECTRIC SHOCK OR INJURY TO PERSONS:

1. Unplug and allow to cool before replacing lamp.
2. Lamp gets HOT quickly! Only contact plug when turning on.
3. Do not touch hot lens, guard, or enclosure.
4. Do not remain in light if skin feels warm.
5. Do not look directly at lighted lamp.
6. Keep lamp away from materials that may burn.
7. Use only with a 100W or smaller lamp.
8. Do not touch the lamp at any time. Use a soft cloth. Oil from skin may damage lamp.
9. Do not operate product with missing or damaged guard, lamp containment barrier, lens or fibre-optic harness.

SAVE THESE INSTRUCTIONS

- Always disconnect the unit from the power supply before opening or attempting to perform any work on it.
- **UNIT MAY GET HOT** - always allow unit to cool down before handling or moving it.
- Do not touch or attempt to remove the lamp while it is hot.
- Ensure that the power supply is correct for the unit before powering it up.
- Always ensure that the unit is properly **EARTHED**.
- Do not expose the unit to rain or moisture.
- Keep away from all combustible materials.
- Never attempt to tamper with the wiring or other internal components.
- Keep the unit away from gas, oil and any other flammable or explosive materials.

LIGHT SOURCE LAYOUT



Item	Description
A	Lamp / Colourwheel access hatch
B	Fibre port
C	Cooling fan
D	Power LED
E	Power input connector & fuse holder
F	Varies depending on model: White light models - no function Decorative models with separate feeds - secondary power input Decorative models with switch - switch to control colourwheel
G	Optional dimmer control

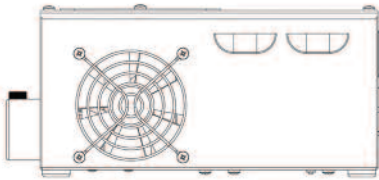
INSTALLATION GUIDE

In order for the Aurora light source to function safely and efficiently it must be installed according to this user manual. Please read all sections thoroughly before switching on the light source.

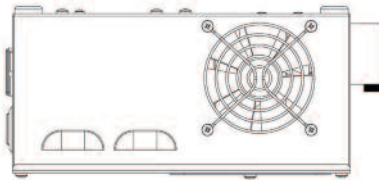
POWER SUPPLY REQUIREMENTS

Before plugging in the unit, please make sure that the supply is correct. Failure to do so could cause the unit to malfunction. The Aurora requires a 240VAC, 50Hz supply and it **MUST BE EARTHED**. The light source power supply units are provided with a cordset fitted with a standard 3-pin plug.

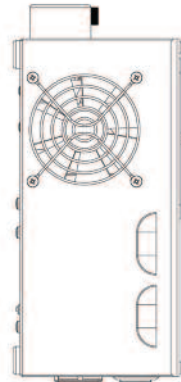
POSITIONING THE UNIT



Standard horizontal mounting on shelf/table



Upside down mounting - fixed to underside of shelf



Vertical mounting
secured to wall

The light source can be fixed to a suitable surface or be used unfixed by utilizing the four rubber feet on base. Note: for most applications fixing is recommended.

The light source itself may be mounted in any other orientation than pointing the exhaust vent downwards.

The light source can be fixed to a suitable surface by using the two keyhole slots on the base of the unit. Horizontal mounting can be achieved with the keyhole slots facing downwards i.e. screwed to the top of a flat surface, or upwards, i.e. screwed to the underside of a shelf, etc.

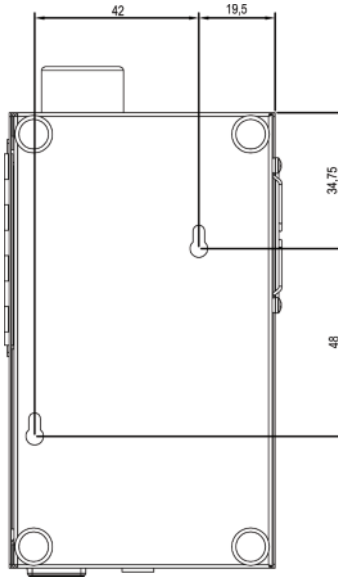
INSTALLATION GUIDE (Continued)

Verify that the supporting structure can safely bear the weight of all installed units, cables and any other equipment.

For horizontal mounting, it is recommended that the lightsource is secured to a solid surface using 2 x M4 or M5 screws or bolts and the keyhole slots. This is particularly important if the lightsource location is not at ground floor level.

To mount the light source vertically, first securely install 2 x M4 or M5 screws or bolts at the required distances so that they will line up with the keyhole slots. The light source can then be mounted onto them and slid into position. The bolts or screws **MUST** be fully tightened.

To mount the light source under a surface, first securely install 2 x M4 or M5 screws or bolts at the required distances so that they will line up with the keyhole slots. The light source can then be mounted onto them and slid into position. The bolts or screws **MUST** be fully tightened.



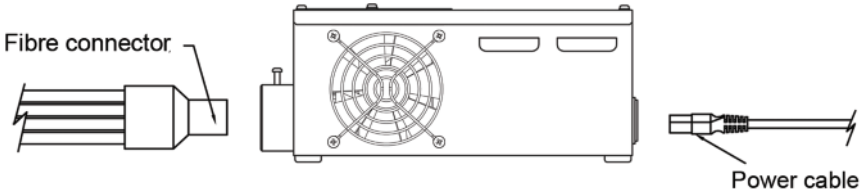
CLEARANCE / VENTILATION

It is recommended that a gap of 200mm (8") or more is left around the unit. This is to allow air to circulate and prevent overheating. The location must have free ventilation.

INSTALLATION GUIDE (Continued)

CONNECTION

There are 2 connections required - the fibre port and the mains power supply. On decorative models with a separate feed, there is an additional mains power connector to power the colour/twinkle wheel. Connect and secure the fibre optic connector to the fibre port before connecting the electrical supply. Never run the light source with the fibre connector unplugged.



OPERATION

Plug the light source unit into the electrical supply socket. Switch on the power to the light source and it will start up automatically. Light will be output from the port connector and out through the fibre harness.

If no light is produced, please consult the TROUBLESHOOTING section in this manual.

On models with the optional dimmer control, the light output intensity can be varied by turning the dimmer control knob.

COLOURWHEEL / TWINKLE WHEEL CONTROL

Decorative models of the Aurora are available with a number of different colourwheel control options. The control system available will depend on the exact model specified.

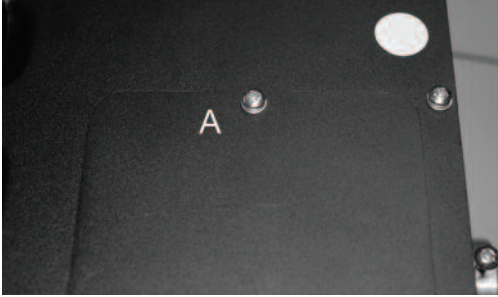
Continuous rotation - the wheel rotates continuously and cannot be stopped. White light only output is available by removing the wheel, as detailed on page 8 of this manual.

Separate feed - the wheel is controlled by a secondary mains electrical feed. It can be started and stopped on any colour by simply switching the power off.

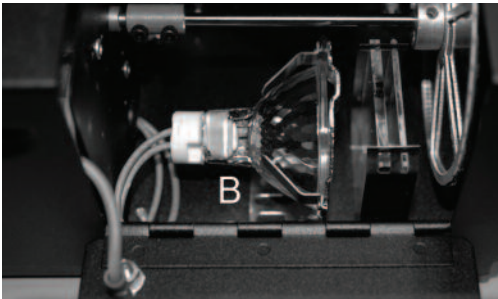
Switch control - the wheel can be started and stopped by using a switch built into the back of the unit.

MAINTENANCE

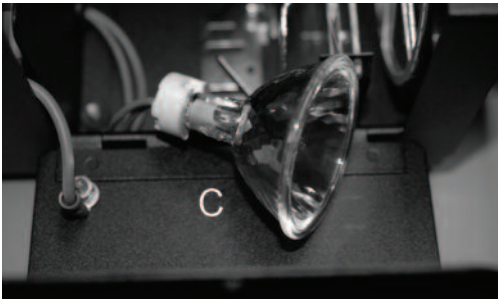
LAMP REPLACEMENT



- 1) Unplug unit from electrical supply and allow to cool.
- 2) Remove the single screw (A) which secures the unit's lamp access hatch.
- 3) Open the lamp access hatch and you will see the lamp sitting in its holder and attached to a ceramic plug (B).
- 4) With the lamp still attached to the ceramic plug, pull it upwards and out of its holder (C).

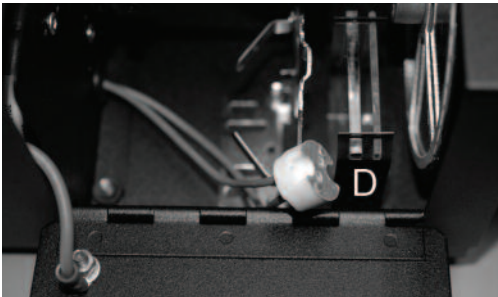


- 5) Pull the ceramic plug from the end of the old lamp (D).
- 6) Connect the new lamp to the ceramic plug making sure that you use a lamp of the same specification as to that which was removed. Also make sure not to touch the front of the lamp.



- 7) Slide the lamp back into its holder.
- 8) Close the lamp access hatch and secure with the retaining screw.

Note: In the 100W version of the Aurora the lamp holder will only accept a 64637 GZ6.35 100W lamp.



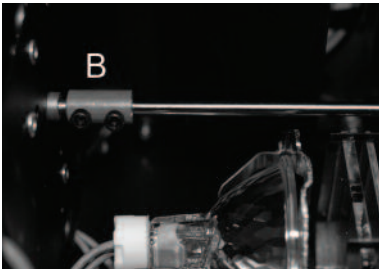
MAINTENANCE (Continued)

FUSE REPLACEMENT



- 1) Unplug unit from electrical supply and allow to cool.
- 2) The fuse holder (A) is located under the mains power input socket.
- 3) Using a small screwdriver, carefully insert it into the slot on the top of the fuse holder (B), and prise outwards.
- 4) The fuse can now be unclipped from its holder and replaced. A spare is provided inside the storage compartment at the rear of the holder.
- 5) Slide the fuse holder back into its slot until it clicks into place.

REMOVING THE COLOURWHEEL / TWINKLE WHEEL



- 1) Unplug unit from electrical supply and allow to cool.
- 2) Remove the single screw (A) which secures the unit's access hatch.
- 3) Open the access hatch and you will see the colourwheel mounting rod is secured with two screws through a brass bush. (B).
- 4) Remove the screws and carefully pull the rod towards the front of the light source. Remove the colourwheel and rod from the light source.
- 5) Close and secure the access hatch.

IMPORTANT - A maintenance record table is provided overleaf for the purposes of recording ALL maintenance undertaken on the lightsource, and MUST be filled in accordingly.

CLEANING THE UNIT

Disconnect unit from power supply and allow to cool before attempting any cleaning of the unit.

The body of the unit can be cleaned with a soft, damp cloth - do not use any abrasives on the unit.

The fans and vents should be kept clear by periodically blowing them out with compressed air.

Non-abrasive glass cleaner can be used to clean the glass lens inside the unit.

TROUBLESHOOTING

Problem	Probable cause(s)	Remedy
Unit is completely dead - Lamp and LED power indicator are not illuminated	Main fuse blown	Check and replace fuse.
	No power to unit	Check that power is switched on and power supply is plugged in.
LED power indicator & fan are on, but no light is output	Lamp blown	Replace lamp
	Thermal switch activated	Allow unit to cool for 5 to 10 minutes and investigate reason for overheating
	Lamp wires are not connected	Check plug connection - ensure lamp is properly seated in its holder and the pins are fully mated
Poor light output	Lamp needs replacing	Replace lamp
	Unit needs cleaning	Clean glass lens
	Incorrect power supply	Ensure power supply is 240VAC 50Hz
	Fibre port connector not plugged in correctly	Ensure fibre port connector is plugged in correctly, and that the screw is tightened up properly
Lamp going on & off randomly	Unit is overheating	Allow unit to cool for 5 to 10 minutes and investigate reason for overheating

TECHNICAL SPECIFICATIONS

Description	35W	42W	50W	75W	100W
Port connector size	30mm	30mm	30mm	30mm	30mm
Fibre type	Glass/polymer	Glass/polymer	Glass/polymer	Glass/polymer	Glass/polymer
Supply voltage	240VAC 50Hz	240VAC 50Hz	240VAC 50Hz	240 VAC 50Hz	240 VAC 50Hz
Lamp power	35W	42W	50W	75W	100W
Input power @ 240VAC	33.6VA	40.8VA	69.6VA	91.2VA	127.2VA
Running current @ 240VAC	0.14A	0.17A	0.29A	0.38A	0.53A
Min. ambient temp.	-20°C	-20°C	-20°C	-20°C	-20°C
Max. ambient temp.	40°C	40°C	40°C	40°C	40°C
Thermal protection	Thermal switch	Thermal switch	Thermal switch	Thermal switch	Thermal switch
Fan type	80mm crossflow	80mm crossflow	80mm crossflow	80mm crossflow	80mm crossflow
Main fuse	0.5A	0.5A	0.5A	0.63A	0.8A
Lamp type	Tungsten halogen	Tungsten halogen	Tungsten halogen	Tungsten halogen	Tungsten halogen
Lamp model	FMT	Philips 13861	EXT	EYF	Osram 64637 GZ6.35
Lamp colour temp.	2950K	2900K	3000K	3000K	3000K
Operating environment	Indoor / dry	Indoor / dry	Indoor / dry	Indoor / dry	Indoor / dry
Material	Sheet steel	Sheet steel	Sheet steel	Sheet steel	Sheet steel
Colour	Black	Black	Black	Black	Black
Size	White light: 261x142x105mm Decorative: 261x142x119mm	White light: 261x142x105mm Decorative: 261x142x119mm	White light: 261x142x105mm Decorative: 261x142x119mm	White light: 261x142x105mm Decorative: 261x142x119mm	White light: 261x142x105mm Decorative: 261x142x119mm
Weight	White light: 1.9kg Decorative: 2.1kg	White light: 1.9kg Decorative: 2.1kg	White light: 1.9kg Decorative: 2.1kg	White light: 1.9kg Decorative: 2.1kg	White light: 1.9kg Decorative: 2.1kg

MAINTENANCE RECORD

Please note that a record of all maintenance **MUST** be kept in the table below, indicating what maintenance was undertaken and when.

Date	Maintenance Undertaken

