

Wash Down Procedure

1. Turn power switch to OFF position and unplug AC power cord before cleaning.
2. Standard alcohol based cleaning fluids can be used on exterior parts of system without causing damage.
3. All parts of the system can be wiped down with moist sponge or cloth.
4. Do not allow any cleaning fluids to enter side air vent area. Do not spray cleaning fluids directly onto PAXLight.
5. Always follow your national requirements (standards and directives) for hygiene and disinfection.

This Device Is Not Sterile

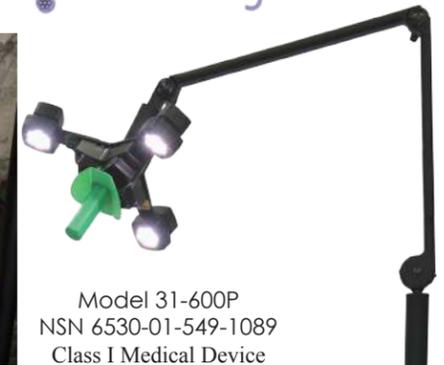
Preventative Maintenance Procedures

1. Turn power off and unplug power cord.
2. Inspect for dirt, debris or contamination. Inspect mechanical parts for freedom of movement and/or proper fit/function.
3. Clean PAXLight as required. Tighten any loose nuts, bolts, or hardware. Use compressed air to gently blow any visible dust from fans.
4. Plug in power cord and turn on light. Confirm fans are operating. Turn off light and unplug power cord.
5. Perform preventative procedures monthly, after prolonged continuous use, or after storage of more than one year.
6. Personnel trained to perform the basic duties described above may perform preventative procedures.

Troubleshooting		
Problem	Cause	Solution
A single head cluster contains one or more LEDs that are not lit.	LED failure due to probable overheating.	LED failures will not adversely affect overall light output performance. No action required.
LEDs flicker or dim briefly, then function normally.	Power surge from supply mains.	Normal operation, no need for action.
All LEDs on a single head or multiple heads appear dimmer over time.	Overheating condition. May be due to fan failure, fan air flow blockage or excess ambient temperature.	Check fans for air intake and exhaust blockages or fan failure. Fan replacement may be required if fan does not rotate. Contact Manufacturer.
All LEDs fail to operate. Cooling fans are not operating.	Main power switch on head not activated.	Flip switch on head.
	Power supply not plugged in.	Plug power supply into AC power. Plug PAXLight power supply cord into PAXLight power supply.
	Internal power supply failure due to unknown cause.	Return unit for repair.
All LEDs fail to operate. Cooling fans are operating.	Power control circuit has failed in head.	Return unit for repair.
PAXLight head does not stay in position when aimed.	Friction screws are loose.	Use 3/32" Allen key to tighten four friction screws on flex arm (See <i>Tightening Light Head</i>).



OPERATION MANUAL



Intended Use

The PAXLight is a single minor surgical luminaire intended for use in the patient environment to support treatment and diagnosis which can be interrupted without any hazard to the patient in case of failure of the light. The luminaire has three LED light sources on a single head. The product is suitable for use in operating rooms by those personnel who are able to read, understand, and follow the instructions herein.



- Contents**
- (1) PAXLight Head
 - (1) Flex Arm, Post, Power Supply Assembly
 - (2) Bed Post
 - (2) Sterile Green Handles
 - (1) 3/32" Hex Key
 - (2) Sand Bag Plate
 - (1) Manual
 - (1) CE Declaration Of Conformity
 - (1) Power Cord
 - (1) Storage Case

Specifications
 Input Voltage: 100-240 VAC, 50-60 Hz
 Current Draw: .55A at 120 VAC/60 Hz .35A at 230 VAC/50Hz
 Power: 70W
 Class: Intermittent service
 Operating Environment: -17°C to 49°C (0°F to 120°F)
 Relative Humidity: 5% to 90% non-condensing
 Altitude: 0-10,000 ft.
 Storage Temperature: -40°C to 70°C (-40°F to 158°F)
 Service Life: 50,000 Hours

WARNING

Never look directly at lights; may cause short term or permanent eye damage.

Surfaces may become hot, especially as ambient temperature rises. Avoid contact with metal plate whenever possible.

Do not spray fluids inside fan or vent area.

No modification of this equipment is allowed.

To avoid risk of electric shock, this equipment must only be connected to supply mains with protective earth.

Do not use in oxygen-rich environments.

Do not position the power supply so it is difficult to disconnect it from supply mains.

Do not use in close proximity to high EM emitters.

AVERTISSEMENT

Ne jamais regarder directement les lumières ; risque de provoquer des dommages oculaires à court terme ou permanents.

Les surfaces peuvent devenir très chaudes, en particulier au fur et à mesure que la température ambiante s'élève. Éviter tout contact avec la plaque métallique dans la mesure du possible.

Ne pas vaporiser de fluides à l'intérieur du ventilateur ou de la zone de mise à l'air libre.

Aucune modification de cet équipement n'est autorisée.

Pour éviter tout risque de choc électrique, cet équipement ne doit être connecté que pour fournir une terre de protection à l'alimentation secteur.

Ne pas utiliser dans des environnements riches en oxygène.

Ne pas positionner la source d'énergie de sorte qu'il soit difficile de la déconnecter de l'alimentation secteur.

Ne pas utiliser à proximité immédiate de grands émetteurs EM.

Illumination Specifications	
Central Illuminance (CI) @ 1m	50,000 lux
Light Field Diameter (d10)	420mm
50% Light Field Diameter (d50)	224mm
Depth of Illumination	860mm
CCT	4047K
CRI (Ra)	95
CRI (R9)	81
UV Irradiance below 400nm @ 1m	.001 W/m²
Total Irradiance @ 1m	67.7 W/m²
Ratio, Total Irradiance to Illuminance	1.35 mW/m² lx
Shadow Dilution - Remaining illuminance when:	
Beam obstructed by 1 mask	0.0% of CI
Beam obstructed by 2 masks	42.9% of CI
At bottom of standard tube	42.9% of CI
At bottom of standard tube and obstructed by 1 mask	0.0% of CI
At bottom of standard tube and obstructed by 2 masks	43.2% of CI
Note: Overlapping light beams will not cause Total Irradiance to exceed 1000 W/m²	

Assembling Arm

1. Lay arm and power assembly (flex arm, post, power supply) on ground (Fig 1).
2. Pull power cord at power supply side to retract cord and bring flex arm into post.
3. Insert flex arm into post and tighten thumbscrew on post (Figure 2).
4. Plug AC cord (not shown) into power supply.

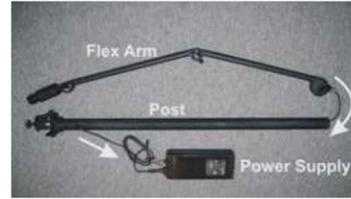


Figure 1



Figure 2

Mounting Light Head To Arm

1. Insert green handle into threaded handle support clockwise and tighten. (Figure 3)
2. Align arm connector with head connector by rotating head until keys align. (Fig 4)
3. Insert light head into flex arm and turn connector ring clockwise to tighten.



Figure 3

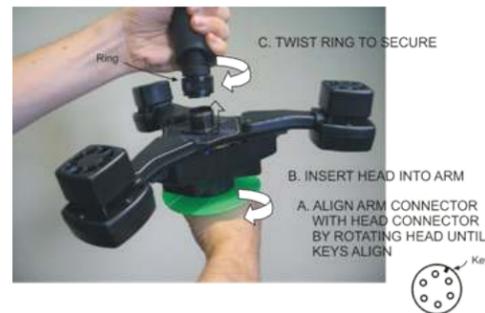


Figure 4

Mounting PAXLight® to OR Table

1. Remove clamp assembly by first removing screws with tethered 5/32" hex key provided. Store clamp in case.
2. Hang power supply from table frame.
3. Insert threaded portion of bedpost into female base of PAXLight® arm. (Fig 5-6)
4. Insert opposite end of bedpost into OR table mounting receptacle.
5. Secure with pin/screw mechanism provided with OR table.



Figure 5



Figure 6

Operating Symbols On PAXLight Head



Power Off



Power On



Read Instructions Before Operating

Mounting PAXLight® to Litter Stand

1. Hang power supply from litter stand cross bar, preferably towards the side opposite where you intend to mount PAXLight®.
2. Place sandbag plates between the two pairs of litter stand legs. (Figure 7)
3. Place sandbags (not provided) on sandbag plates. NOTE: If only one sandbag is available, place it on plate opposite the side where you intend to mount PAXLight®.
4. Slide clamp over edge of cross bar. (Figure 8)
5. Insert clevis pin through clamp and litter stand until end clears clamp. (Figure 9)
6. Insert cotter pin to lock clevis pin in place (Figure 10).
7. Tighten clamp. (Figure 11)

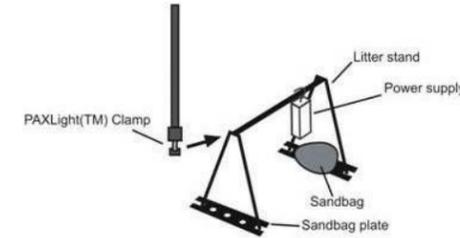


Figure 7



Figure 8



Figure 9



Figure 10



Figure 11

Operating Instructions

Power Switch

1. Plug in power cord to power source.
2. Locate power switch on PAXLight head (Fig 12). Turn to ON position to power on light.
3. When operation is complete, turn off power switch and unplug supply cord from mains.

Handle: Verify packaging integrity before use. Replace after each use. Dispose of green handle per standard procedure. Refer to handle packaging for method of sterilization.

Tightening Light Head

To tighten head and reduce movement, turn the four friction screws (two on each side) located at the end of flex arm near the PAXLight® electrical connector, clockwise with the 3/32" Allen wrench (Figure 14).



Figure 12



Figure 13



Figure 14

Storage

Always store in case provided when not in use and for storage or transport.