HarmonyAIR® A-Series

Mobile Stand

APPLICATION

The HarmonyAIR A-Series Mobile Stand provides a flexible, mobile lighting system for various surgical and diagnostic procedures in healthcare environments.

DESCRIPTION

The HarmonyAIR A-Series Mobile Stand is a mobile lighting system that provides high quality illumination for surgical and diagnostic applications. The mobile Stand is available in Standard (LAS0055) and Premium (LAH0055) models.

Both models are designed to provide cool, shadow-reduced, color-corrected lighting. The system mitigates air turbulence for laminar airflow systems and allows for smoke and heat evacuation. Light intensity level can be adjusted by the surgeon, or other sterile surgical team members, using control push buttons on the system lighthead The pattern size is varied by rotating the lighthead light handle.

On the premium mobile stand (LAH0055), the illumination pattern size is varied by rotating the lighthead light handle. Auto-intensity automatically adjusts the light output to keep the light intensity delivered to the operation site consistent when the lighthead is moved or spot size adjusted. Lighting intensity is monitored and controlled from a control unit that is mounted to the mobile stand. In addition to lighthead intensity control, the control unit monitors and operates camera features and monitors overall system diagnostics. The premium mobile stand can be purchased with provisions to support a HD in-light camera and is also able to support a variety of video and control signals.

The mobile stand is easily maneuverable, providing versatile light positioning. The mobile stand also provides effective use in doctor's offices, exam and treatment rooms, hospital emergency departments and intensive care units.



SPECIFICATIONS

Size (W x H x L)	32” x 79” x 31” (813 mm x 2006 mm x 777 mm)
Weight	**Mobile Stand Weight:** 240 lb (109 kg)
Utility Requirements	**Operating Voltage Requirements:** 120-240 Vac, 50/60 Hz, 2-1A

STANDARDS

All components meet the applicable requirements of the following standards and/or regulations and carry the appropriate symbols:

- CAN/CSA C22.2 No. 60601-1:2014 Ed. 3
- ANSI/AAMI ES60601-1:2005
- IEC 60601-1-2:2014
- IEC 60601-1-6:2010+AMD1:2013
- IEC 62304:2006+A1:2015

FEATURES

WaveLens Technology enables a wide range of pattern size adjustment while maintaining excellent uniformity of illumination across the beam. The lighthead provides color corrected, naturally appearing white light with a general color rendering index (CRI) up to 97, a deep saturated red color rendering index (R9) up to 98 and a color temperature of 4400 (±300) Kelvins. LED emitters are designed to emit light in the visible spectrum, with little or no ultra-violet and infra-red light.LED light reduces heat on the surgical field for increased patient safety and improved surgical team comfort.

Illumination intensity can be adjusted up to approximately 160,000 lux (14,800 foot-candles) by using the surgeon's

push button controls located on the handle bezel, or on the control unit located on the premium model (LAH0055). The operator can adjust the pattern size during a procedure by rotating the handle. Lighthead pattern sizes are adjustable to diameters between 6.3" (160 mm) and 11.8" (300 mm). Each lighthead is also equipped with a continuous non-sterile grasping surface for positioning the lighthead and non-sterile control of intensity for non-sterile personnel.

Lightweight Suspension Arm is designed to enable positioning of the lighthead without binding or drifting while requiring minimal force.

The suspension arm is capable of move horizontally 30° (±15° from center) and vertically 30° up (optional stops at 15° and 0°) and 85° down. The lighthead can rotate 360° continuously about the suspension arm.

The mobile stand is equipped with a 20' (6096 mm) power cord that may be plugged into any standard 110 Vac wall plug. International power cords are available upon request.

Cast Iron Base provides counterbalance that allows a maximum tilt of 10° during transportation and 5° during use. The base also includes four locking swivel casters that can be easily locked or unlocked with minimal toe pressure.

OPTIONAL ACCESSORIES

Sterile, disposable cover used on the standard lighthead handle allows members of the surgical team to grasp and adjust the standard lighthead handle, while allowing access to all surgeon's lighthead controls.

PREVENTIVE MAINTENANCE

A global network of skilled service specialists can provide periodic inspections and adjustments to help ensure low-cost peak performance. STERIS representatives can provide information regarding annual maintenance programs.

Refer to the Following Equipment Drawing for Installation Details	
Equipment Drawing Number	**Equipment Drawing Title**
11017745	HarmonyAIR A-Series Mobile Stand

Selections Checked Below Apply To This Equipment

ACCESSORIES

- ☐ Sterile Disposable Light Handle Covers
- ☐ Sterile Disposable Camera Covers

Item:	
Locations:	

For Further Information, contact:

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The base language of this document is ENGLISH. Any translations must be made from the base language document.

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