

APPLICATION

The HexaLux Examination Light, available in three configurations, is suitable for a broad range of applications including:

- Examination rooms
- Emergency rooms
- Plaster rooms
- Intensive Care Units
- Resuscitation units
- Suture rooms
- Induction and recovery rooms
- Neonatal units
- Pediatric department
- Maternity ward
- Morgue

The HexaLux Examination Light is intended for diagnostics offering variable field diameter and intensity, providing healthcare facilities staff with effective lighting for examination, treatment and emergency areas. The HexaLux Examination Light should only be used by qualified staff authorized to work in the healthcare facilities (hospitals, clinics).

This examination light shall be operated in a controlled environment by a professional familiar with appropriate techniques for such equipment. The HexaLux Examination Light is designed for examination rooms, emergency rooms, maternity wards, intensive care units, recovery rooms and all other diagnostic applications. The HexaLux Examination Light is a Class I medical device and is registered with French National Agency for Medicines and Health Product Safety (ANSM).

DESCRIPTION

The HexaLux Examination Light has an examination light range of approximately 10,000-65,000 Lux providing illumination suitable for examination, treatment and emergency procedures. The lighthouse provides pure white and cool light.

The HexaLux Examination Light is available in three configurations to meet the needs of a wide variety of applications ranging from simple examinations to emergency procedures such as suturing, etc. Available configurations include ceiling mounted system, wall mounted system and mobile stand.

The lighthouse features can be directly controlled by rotating the sterilizable handle, turning the light on and off, adjusting the light intensity and the illumination pattern size.



(Typical only - some details may vary.)

STANDARDS

The range of the HexaLux Examination Light has been designed in compliance with international medical electrical equipment regulations:

- CE marking according to EEC Directive 93/42
- UL marking medical equipment, with respect to electrical shock, fire and mechanical hazards only in accordance with:
 - » ANSI/AAMI ES60601-1 (2005) + AMD1 (2012)
 - » CAN/CSA-C22-2 NO. 60601-1 (2014)
 - » IEC 60601-1 (EN 60601-1)
 - » IEC 60601-2-41 (EN 60601-2-41)
 - » IEC 60601-1-2 (EN 60601-1-2)
 - » IEC 60601-1-6 (EN 60601-1-6)

FEATURES

The complete range of the examination light provides color-corrected, natural appearing white light with a color rendering index (CRI) of 95 (±6%), a rendering index of red tones (R9) of 97 (±6%), a rendering index of white tones (R13) of 97 (±6%) and a color temperature of 4,400 (±6%) Kelvin. The features of the HexaLux Examination Light are controlled directly at the sterilizable central handle: turning the light on or off, adjusting the illumination intensity and pattern size are managed by rotating the central handle. All lighthouses dissipate heat away from the examination field for patient safety and healthcare team comfort.

Item _____
 Location(s) _____

The single cardanic allows an adjustable pattern of light. The operator adjusts the pattern size by rotating the sterilizable lighthandle. The pattern sizes for the HexaLux Examination Light are adjustable from a diameter of 6.3" (16 cm)/5.5" (14 cm) to a diameter of 8" (20.5 cm)/7" (18 cm), measurements respectively realized at 1.0 and 0.85 meter. Illumination intensity can be adjusted from 10,000 (±10%) Lux/12,500 (±10%) Lux up to 50,000 (±10%) Lux/65,000 (±10%) Lux, measurements respectively realized at 1.0 and 0.85 meter. The lighthead has a span of 11.8" (30.5 cm) and contains 16 LEDs. The power consumption is 24 Watts and the life of the light diodes (at least 50,000 hours) ensure low operating costs by daily use of the light. In addition to the central handle to control and manipulate the lighthead, the lighthead includes two side handles providing a secure and comfortable grip. The lighthead yoke allows a 360° rotation.

HexaLux Examination Light is available in three configurations, ceiling mounted, wall mounted and mobile stand:

Ceiling-mounted configuration is suspended on a vertical tube. The horizontal extension arm slips onto the lower end of the vertical tube and is secured by an external retaining ring. The upper end of the vertical tube is secured by set of heavy-duty setscrews to a ceiling plate. A canopy is furnished to conceal the mounting plate and power supply. The vertical tube may be cut to length to suit various ceiling heights. STERIS recommends a minimum ceiling height of 93.8" (2,382 mm) to maximum ceiling height of 122.6" (3,114 mm). The ceiling-mounted unit is equipped with a single 31.5" (800 mm) horizontal extension arm supporting a spring arm of 28.3" (720 mm) attaching the examination lighthead. This allows for an approximate 69" (1,752 mm) radial coverage area. The total weight of the ceiling-mounted configuration is 26.5 lb (12 kg). Torque 54.9 ft•lb/74.5 N•m.



Wall-mounted configuration is furnished with the same horizontal extension arm and spring arm used on the ceiling-mounted configuration. When not in use, the lighthead can be folded close to the wall to optimize space in the examination area. The total weight of the wall-mounted configuration is 19.4 lb (8.8 kg). Torque is 59.9 ft•lb/81.2 N•m.



Mobile stand enables ambulatory use and is suitable for various applications. The mobile stand is available with an optional built-in battery. Both bases, with or without battery, have the same size – diameter of 24" (610 mm) and includes the base, vertical support tube, spring arm and lighthead. The system is supported by a small footprint and stable base with five lockable castors. The mobile stand height is 69" (1,753 mm). Both mobile stands, with or without battery option, include a power cord compliant to the selected country requirement. The mast has a support to store the power cord. The total weight of the mobile stand without batteries is 52.3 lb (23.7 kg) and is 56.3 lb (25.6 kg) for the mobile stand with batteries. Torque is 59•9 ft.lb/81.2 N•m.



All configurations are delivered in a 41 x 31 x 9" (1040 x 800 x 240 mm) box.

CONSTRUCTION

The lighthead is constructed of lightweight and durable materials. The aluminum foundry cover offers excellent maneuverability and heat conduction. The lighthead optical system consists of multiple Light Emitting Diode (LED) light sources and optics.

OPTIONS

Mobile stand:

- Retractable power cord reel
- Batteries provide up to 6.5 hours of use during power outages
- Shelf
- Basket

SUPPORT STRUCTURE

The ceiling and wall structure, installed by a third party prior to installing the examination light, must be level and must adequately support the examination lighting system configuration to be installed. Consult the equipment drawings for further details.

INSTALLATION

Installation and integration operations of the ceiling-mounted and wall-mounted systems should only be assigned to STERIS technicians or qualified technicians. For further information, refer to the equipment drawings.

Assembling the mobile stands can be done by users. Please refer to the mobile stand assembly instructions and equipment drawings.

STANDARD ACCESSORIES

The sterilizable handle is made of polyphenylsulfone (PPSU) and can be sterilized (refer to the user manual for sterilization instruction and compliance with national regulations for different countries).

UTILITY REQUIREMENTS

Electricity – The system is compatible with the following ratings:

- 100-240 Vac 50/60Hz (except for mobile stand with batteries: 50-60 Hz)
- 1-phase max. 104 VA (for mobile stand standard version)
- 1-phase max. 90 VA (for mobile stand with batteries)

Fuse accessible to operator:

- Mobile standard version: 2xT2.5A 250V PC1500A
- Mobile version with batteries: 2xT2.5A 250V PC1500A (mains)1x2.5A 250V PC1500A (batteries)

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 agreements.

CUSTOMER IS RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE LOCAL AND NATIONAL CODES AND REGULATIONS.

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

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