



# Maquet Lucea

Improving visibility in all hospital departments

This document is intended to provide information to an international audience outside of the US.

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# Maquet Lucea

## A versatile, multipurpose design

Modern medical centers face an increasingly complex set of challenges: Each facility must support effective diagnostics and complex procedures while simultaneously containing costs and minimizing their environmental footprint. Maquet Lucea supports the needs of all medical departments. It provides consistent, high-quality illumination in a modern, sustainable design.

Maquet Lucea has an innovative design that integrates seamlessly into any department. An ergonomic handle makes it easy to direct the lightweight, triangular-shaped light head towards a wound or surgical site for diagnosis or treatment. The unique shape supports flexible positioning, and maintains a

perfectly round light field with maximal light output and excellent shadow dilution.

The design uses lightweight, versatile, durable, and recyclable components as well as low-energy Led bulbs to support your facility's sustainability programs.

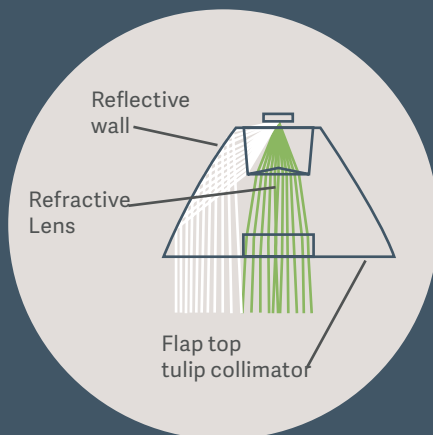


# Maquet Lucea

## Improving visibility in all hospital departments

- **Uniform and concentrated light patch:** from 50,000 lux at 50 cm for Maquet Lucea 10 to 120,000 lux at 1 meter for Maquet Lucea 100.
- **Better tissue differentiation (superficial and deep structure):** color rendering index fixed at 95.
- **No heat dissipation:** improved patient comfort and safety.
- **Reduce risk of cross-contamination:** a sleek and curved surface to facilitate cleaning.
- **Angled shape for easy positioning:** the narrow design can be easily positioned in a crowded surgical theater.
- **Perfect light head stability:** Ergodisc spring arm\*.

\*Only Maquet Lucea 40, 50, and 100, version



### Shadow-free visibility

White "HECOL" LEDs eliminate cast and colored shadows that can interfere with diagnosis and treatment.



### Long bulb life minimizes maintenance

Spend more time with patients and less time with maintenance; Led life is more than 60,000 hours.



Maquet Lucea 100/50



### Freedom of movement

The maneuverable handle is directed towards the wound for accurate positioning.



### A small environmental footprint

The Maquet Lucea series contains only environmentally friendly products and 80% recyclable material. Optimized, compact and recyclable packaging reduces waste.



# Maquet Lucea 10 and 40

Accurate lighting solutions for examination and observation



The Maquet Lucea 10 light provides ideal illumination for all medical specialties and all work environments. It is particularly well suited to dermatology. The Maquet Lucea 40 light is designed for hospital induction, shock treatment, and recovery rooms.

Both models are available in mobile and wall-mounted versions (ceiling version only available for Maquet Lucea 40) which free the floor space and facilitate cleaning. The easy-to-clean design has no openings, reducing the risk of cross-contamination and hospital acquired infection.

### **Improved diagnostic visibility**

Maquet Lucea 10 and 40 provide faithful color rendering to improve diagnostic visibility for all medical specialties. The LED light pattern achieves better shadow dilution than other lights in its category.

- Maquet Lucea 10: Ec 50,000 lux at 50 cm
- Maquet Lucea 40: Ec 40,000 lux at 1 meter

### **Meets stringent medical standards**

Both the Maquet Lucea 10 and 40 lights are designed to comply with the most stringent medical standards (IEC, UL, etc.).





# Maquet Lucea 50 and 100

## LED technology touches every OR

The Maquet Lucea 50 and 100 surgical lights have been specifically developed to provide any operating room with Led technology to support minor surgical procedures.

The innovative design and functional shape offer an efficient product to the surgical staff.

Maquet Lucea 50 and 100 are available in mobile, wall and ceiling-mounted versions.

### **High quality illumination without compromise**

Maquet Lucea 50 and 100 offer consistent illumination over the entire surgical site, without visual fatigue. Each Led light source illuminates the entire light patch for outstanding shadow dilution

- Maquet Lucea 50:  
Ec 60,000 lux at 1 meter
- Maquet Lucea 100:  
Ec 120,000 lux at 1 meter

### **Accurate color rendering for better tissue differentiation**

The cold white LEDs of the Maquet Lucea lights render colors naturally. The color temperature of 4300 Kelvin helps surgeons recognize subtle color tones in both superficial and deep tissues.

### **Maintain stable illumination as Leds heat up**

The Flux Stability Program (FSP) is included in all Maquet Lucea light heads. It delivers dynamic control of illumination for consistent lighting throughout the procedure.

# Maquet Lucea

## Technical data



Maquet Lucea 10: wall version



Maquet Lucea 10: rail version



Maquet Lucea 10: mobile version



Maquet Lucea 40: wall version



Maquet Lucea 40: ceiling version



Maquet Lucea 40: mobile version

	Maquet Lucea 10	Maquet Lucea 40
Size of the lighthouse (mm / inch)	223 x 175 / 8.8 x 6.9	337 x 214 / 13.27 x 8.43
Weight of the lighthouse (kg / lbs)	0.8 / 1.76	1.9 / 4
Illumination at 50 cm / 19.7 inch (lx)	> 50,000	N/A
Illumination at 1 m / 39.4 inch (lx)	N/A	> 40,000
Field diameter at 50 cm / 19.7 inch	13 / 5.12	N/A
Field diameter at 1m / 39.4 inch	N/A	< 24 / 9.44"
Colour temperature (K)	4,500	4,500
Colour rendering index (CRI) (Ra)	95	95
Service Life (h)		60,000



Maquet Lucea 50: mobile version



Maquet Lucea 50: mobile version with battery



Maquet Lucea 50 DF: ceiling version



Maquet Lucea 100: mobile version



Maquet Lucea 100: mobile version with battery



Maquet Lucea 100 DF: ceiling version



Maquet Lucea 50: wall version



Dual Maquet Lucea 100: ceiling version



Dual Maquet Lucea 50/100 DF: ceiling version

	Maquet Lucea 50	Maquet Lucea 100
Illumination at 1 m (lx)	60,000	120,000
Field diameter (cm/inch)*	22 / 8.6	22 / 8.6
Depth of illumination at 20 % (cm/inch)	180 / 70.9	110 / 43.3
Depth of illumination at 60 % (cm/inch)	120 / 47.2	60 / 23.6
Colour Temperature (K)	4,300	4,300
Colour Rendering Index (CRI) (Ra)	96	96
Irradiance at nominal illuminance (W/m <sup>2</sup> )	234	468
Service Life (h)	> 60,000	



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