

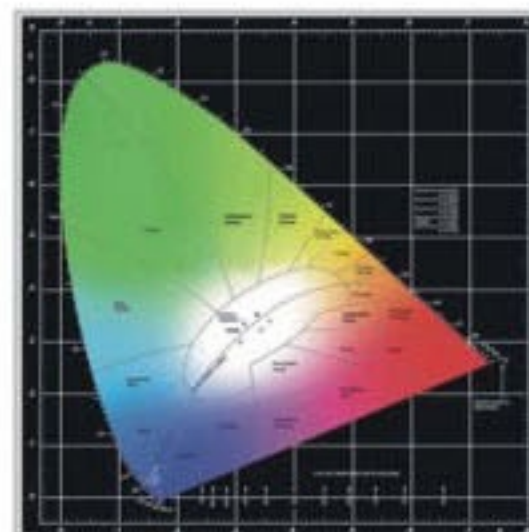
# SPARX - LED 04 LED Surgical Light

As an innovator and a pioneer in modern shadowless operation light industry, Heal Force incorporates LED (Light Emitting Diode) and Beam Sharper technologies into product development. Has a comprehensive understanding of operation room, and can therefore offer better LED surgical lights, which are comfort and cost-saving.



## Optical Efficiency

The light spectrum focus on the visible frequencies, the efficiency can reach 80% -90%.



## Hollowing Design

Unique hollowing design, clean air can reach the surgical field directly, fulfill the purification effect of laminar flow.

## Low temperature

Almost no infrared and ultraviolet spectra, low temperature in surgical field after long-lasting operation.

## Streamlining Surfaces

Follow the "teardrop" shape from the international wind resistance standards, *Sparx-LED 04* is highly expressive with integrated aesthetic and technological factors effectively, to reduce turbulence and resistance of the light.



## Beam Shaper Technology

Independent Condenser Combination for each LED bulb, to control the LED light precisely, eliminate glare while ensuring maximum output by the double reflection system.

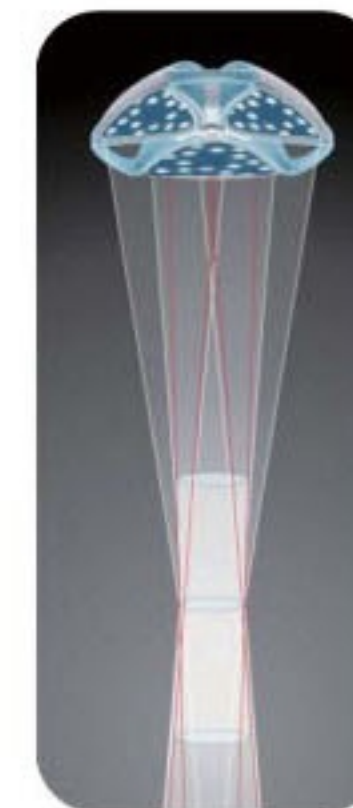
## Adjustable facula size and optical Focal length

Adjustable focus handle controls projection angle of LED light, and adjusts facula size and optical Focal length easily.



## No Environmental Pollution

The light is stimulated by light-emitting diode, heavy metals free, without pollution to environment.



## Bulb

Average life span is up to 50,000 hours or more.

## Traditional Lamp

Comparing to disk-shaped design of the traditional lamp, the triangular shape reduces hindering area by 30%, improve the purification effectively.



## Light intensity

Great optical performance, the luminance ranges from 100,000~160,000Lx easily.

## Circuit

Long-life and stability circuit supports multi-level dimming

## Camera System (Optional)

For convenience of different customers, there are 3 choices of high sensitive and definition and interference-resistant digital camera systems: built-in, arm-mounted and wall-mounted.



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## Technical Specifications

Type	DL-LED 03m
Luminance (Lux)	Ec: (130000Lux~160000Lux) × 2
Colour Temperature (Variable)	3500-5000K
Light Field Diameter (mm)	20-35 cm
Filter	Heat absorbing
Color Rendering Index (Ra)	95±5
Working Range	70-130 cm
Focusing Range (cm)	12-28
Power Supply	AC 220~230V/50~60Hz, 110V/60Hz
Rated Current	0.68A+0.68A
Rated Power	150VA+150VA
Power of LED Bulb	(1W high-power LED bulb) ×150 pcs ×2
Voltage of LED Bulb	Vf: DC 3.2V
Standard Installation Height* (mm)	2900~3100
Carrying capacity for OR ceiling(Kg)	≥ 500
Standards	EN 60601, EN 60601-1-2

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## LED Surgical Light



## Surgery Shadowless Lamp



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