

## Zeus A150/120 Series Surgical Shadowless Lamp Technology fused with Art

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If the product specifications have changed,  
it will not be notified separately.



ISO 13485



ISO 9001



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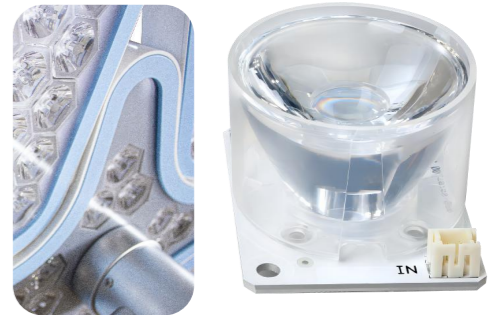
# Zeus A150/120 Series

## LED Surgical Shadowless Light



### long lasting bright

Each LED light source lamp bead uses nano-layer heat dissipation and uses Pulse Width Modulation constant current technology, making the lamp bead life  $\geq 60,000$  hours.



### Comfortable and eye-friendly

The medical optical lens is made of PMMA material, which provides high-quality optical focusing, allowing the illumination to reach 160,000LUX and the color temperature to 5700K



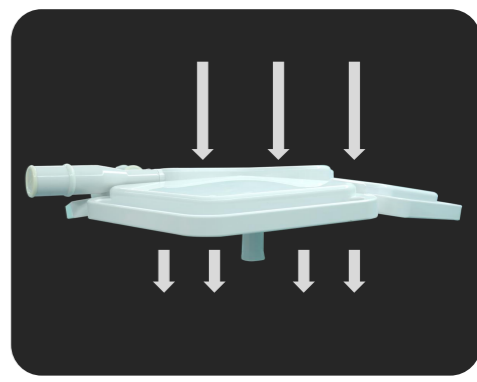
### Make vision clearer

The original RGB color compensation makes it easier to distinguish fine tissues and organs with the naked eye in deep cavity mode.

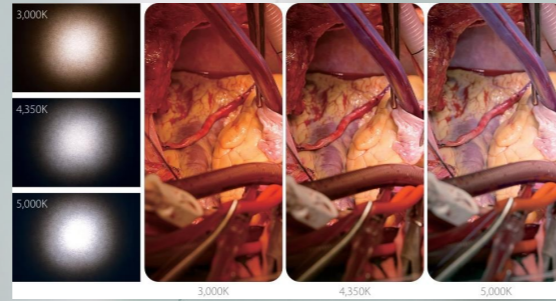


### Safe and durable

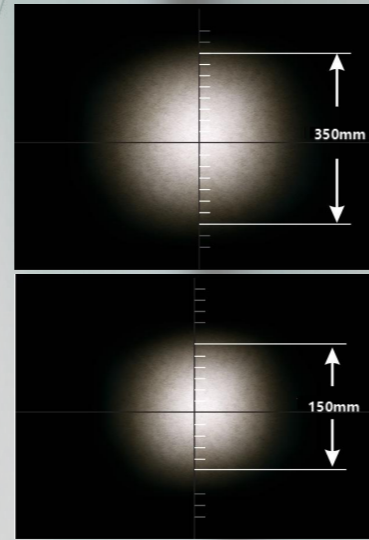
The hollow design of the petals, with a thickness of no more than 10cm, meets the purification requirements of the operating room and has passed the DIN1946-4 standard test.



A light column with a fixed daylight-like color temperature - 4,350K or a variable color temperature of 3,500 - 5,700K. This helps distinguish differences between various tissue types and the perception of true tissue color, especially for use in cardiac surgery



A unique electrical control mode is used to adjust the light field diameter: increase or decrease the number of luminous bulbs, but the central illumination remains unchanged. The light field diameter can be adjusted within the range of 150-350mm, suitable for surgical areas of various sizes. This large diameter, combined with the dual light head, ensures you have options and helps meet a variety of surgical needs.

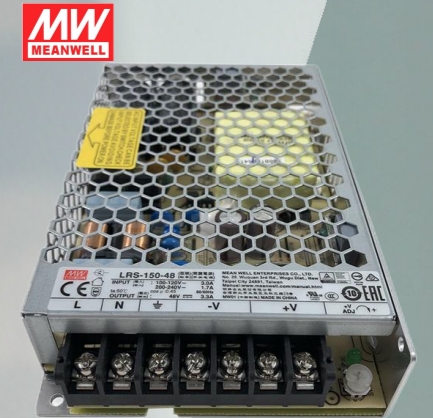


Using ACROBAT®2000, safe load 21kg  
Both the balance arm and the central axis of the shadowless lamp adopt the ondal balance system. The lamp head can rotate 360°, and the balance arm can rotate 360°, without the risk of drifting.



### Focus on safety

It adopts a single output closed power supply, providing 12V, 15V, 24V, 36V and 48V output. In addition to the efficiency up to 90%, the design of the metal mesh shell enhances the heat dissipation capacity and allows it to work at -30°C to +70°C without a fan. +70°C temperature range.



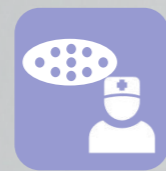
Regular Mode



Superficial Mode



Endoscopic Mode



Optional shading compensation



Deep Cavity Mode



Mutual control synchronization

The dual-light mutual control system can operate the two lamp heads synchronously without moving the place.

Color temperature and illumination touch button adjustment, 10 levels to meet different surgical needs.





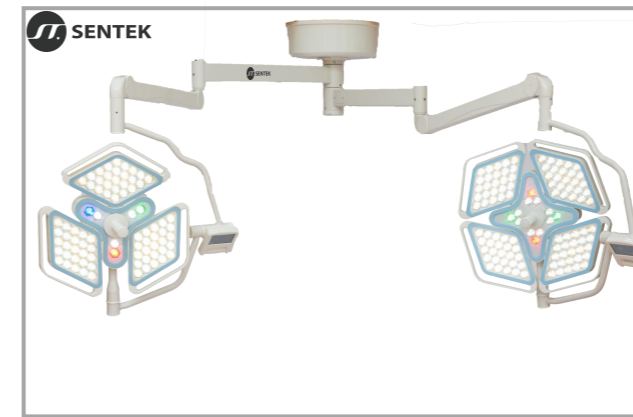
### Camera system parameters

Central/External HD camera	
Picture Element	2MP
Camera Lens	f=3.8-38mm, F=1.8-3.4
Optical Zoom	20X (12X digital 10X optical)
SINR	> 50dB
Shutter Speed	1/1-1/10000s
Output signal	component signal

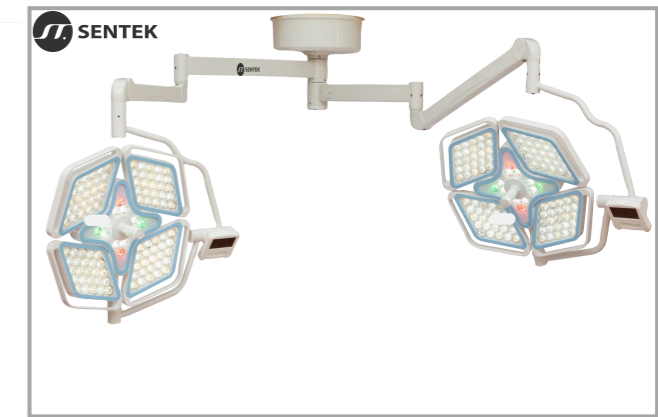
### External/Center camera system

- Equipped with both external and central camera systems to meet the needs of remote consultation/teaching, academic sharing, and medical certificate retention;
- The center-mounted high-definition camera can be flexibly rotated (330°) according to surgical needs.

### Various combinations



Zeus A150/120



Zeus A150/150



Zeus A120



Zeus A150



Zeus A120M



Zeus A150M

**Package Size**

A150	Number of lamp beads	112
	Color temperature	3500~5700K adjustable
	Illuminance	40000~160000Lx adjustable
	Color rendering index	≥98
	Light spot size	150-350mm
	Illumination depth	≥1200mm
	Brightness level dimming	4.3-inch controller with 10 levels of dimming
	LED lamp power	Rated power 3W, actual use 1W
	LED lamp bead life	≥60000h
	LED lamp bead brand	OSRAM 3030
	A120	Number of lamp beads
Color temperature		3500~5700K adjustable
Illuminance		40000~155000Lx adjustable
Color rendering index		≥98
Light spot size		150-320mm
Illumination depth		≥1200mm
Brightness level dimming		4.3-inch controller with 10 levels of dimming
LED lamp power		Rated power 3W, actual use 1W
LED lamp bead life		≥60000h
LED lamp bead brand		OSRAM 3030



Lamp head-1



Lamp head-2



A480-Lamp head	94x94x30cm	0.265m <sup>3</sup>	29KG
A240-Lamp head	78x78x30cm	0.18m <sup>3</sup>	21KG

Mobile style base	105x78x38cm	0.31m <sup>3</sup>	78KG
Single arm swivel base	105x37x54cm	0.21m <sup>3</sup>	40KG
Double arm swivel base	105x37x60cm	0.23m <sup>3</sup>	68KG

Outer packaging material: Fumigation-free wooden box

Double arm swivel base Stacking limit: 3

Shadow-free rate of single shading plate is	86%
Single light-shielding plate deep cavity shadow-free rate is	69%
Double shading plate shadow-free rate	75%
Double light-shielding plate deep cavity shadow-free rate	60%
Deep cavity residual illumination	97%