



ALPHA SERIES



ALPHA

Company profile and shadow-less lamp technology



HD Imaging system solution

- VG medical is the leading manufacturer of medical device for OP room and ICU room. We always pursue the highest standard, quality and innovation.
- ALPHA surgical light uses advanced single bulb multi-reflection technique, with excellent optical performance and mechanical properties. Its various technical data have reached world-class standards. Meanwhile it also takes operating costs into account. All these make ALPHA the classics of VG products.
- Germany "ondal" suspension arms.



ALPHA

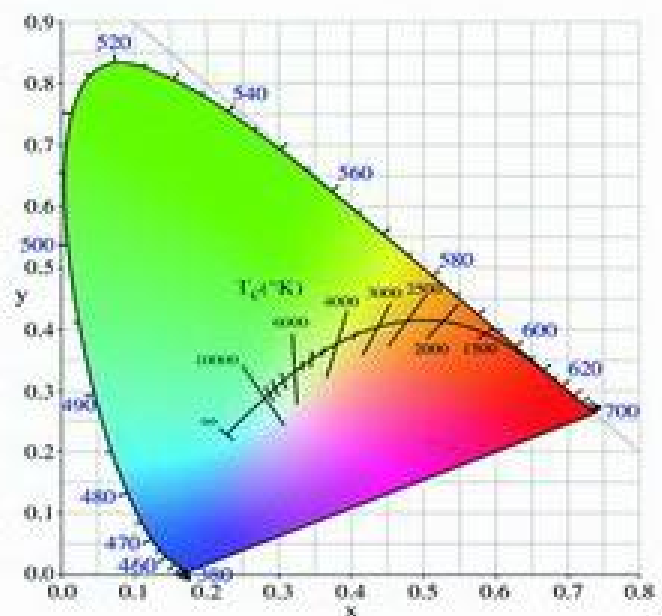
Maintenance and Security

Easy maintenance:

- The maintenance of ALPHA surgical light is extremely simple. With only a few simple steps, the bulbs can be replaced.
- The handle of ALPHA can be steam sterilized which is absolutely hermetic.

Risks Control:

- Germany "OSRAM" halogen bulbs.
- One of the dangers during surgery is a surgical light bulb may be faulty. Through the automatic switching system, when the main bulb fails, ALPHA can switch to spare bulbs only in 200 milliseconds and the failed bulbs can be replaced after surgery.



ALPHA

Color temperature and the Color rendering index

Color Temp:

- In the field of surgical lighting, the experts suggested the color temperature of the white light should be between 4000K and 4500K.
- 4300K is similar as daylight. Very suitable for operation.

Color rendering Index:

- Ra ≥ 95, more precise to the true nature of the tissue.





Reflection mirror is constituted by thousands of reflection planes. The reflected ray of each individual plane can cover the entire surgical field.

ALPHA

Shadow-less illumination—multi-micro mirror

Multi-micro mirror:

- Each ALPHA contains a multi-micro reflection mirror which is constituted by thousands of precise planes. Each individual plane can absorb lights and then project them to entire operation region. Thus thousands of light fields superimposed cause a completely uniform light beam with the lighting depth up to 100cm and 110cm. Therefore, surgery can be completed directly in the central region of this light beam.
- With perfect angle of multi-reflection mirror, it can form an accurate and great lighting area. This area can achieve the daylight brightness, but not cause any shadow, even if the surgeon's shoulder, hand or head cover parts of the light.

ALPHA

ALPHA

Meet your needs



ALPHA 700



ALPHA 500



ALPHA 7050



Mobile ALPHA 500 (Battery as Optional)



ALPHA 7050 HD Imaging system



Wall-mounted ALPHA 500

ALPHA

Technical Specification

Data	ALPHA 700	ALPHA 500
Technology	Halogen	Halogen
Color temp	4200±500	4200±500
Luminance (Lx)	130k-160k	100k-140k
Irradiance (w/m)	≤540	≤300
Radiance Energy (mw/m2 .lx)	≤6	≤6
Diameter of light spot d10 (mm)	180±50	180±50
Diameter of light spot d50 (mm)	90±25	90±25
Depth of light (mm)	≥1000	≥1100
Color rendering index (Ra)	≥95	≥95
Adjustment of luminance %	30-100	30-100
Input voltage (V)	100-240	100-240
Light head power consumption (W)	150	150
Electricity frequency (Hz)	50/60	50/60
Working life (Hrs)	> 1000	> 1000



ALPHA
ALPHA

Change.We can!

VG medical

Wuxi Comfort Medical Equipment Co., Ltd.

~A company of VG Medical Group~

Add: No. 117 Gaoyun Road, Wuxi, China 214131

Tel: 86-510-85414999

Fax: 86-510-85424999

Email: sales@vg-med.com

Website: www.vg-med.com

WWW.VG-MED.COM