

TriLite LED S600 Series
Professional & Reliable



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LED Revolution Always Right The Way With Medical Future



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Surgical Table
Surgical Light
Digital OR Solution
Ultrasound System





Superior Optical Performance

The most important requirement for a surgical light is optical performance. TriLite S600 provides superior performance through the use of the latest generation of LEDs and an advanced optical design. The low heat dissipation of the LEDs reduces the desiccation of exposed tissue to avoid discomfort to both surgeon and patient during long hours procedures.

Excellent User Experience

The suitable design of a surgical light for operating room use shall take consideration to all the requirements of the surgical team. A smooth exterior is needed to allow quick and thorough cleaning for the maintenance of complete aseptic conditions. TriLite LED S600 fully addresses all these requirements and provides excellent user experience than ever.

Beyond Users' Expectations

TriLite LED S600 provides more features than expected. Auto Shadow Management System (ASM). The innovative ideas and concepts that resulted in the TriLite LED S600 are unique and unparalleled which make it an ideal solution for operating rooms' current and future trends.

Experience, Technology and Design

BenQ Medical Technology is a global leading company which offering innovative products and total solutions in medical field. Our vision is to assist professional surgical team performing operations perfectly by offering the optimal OR lighting system. With exceptional abilities in design and technology of OR lighting systems, we insure not only perfect surgery environment but also excellent user experiences for our customers.





TriLite LED S600

Surgical Light Series

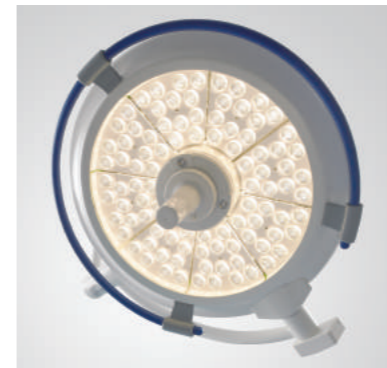


Endo-LED

The Endo-LED producing a soft environment illumination ideal for minimally in-vasive and microscope surgeries.

Cool Light

TriLite LED technology reduces traditional heat dissipation created by infrared emissions. This infrared-free light provides the surgeon with a more comfortable and productive working environment and improves patient safety.

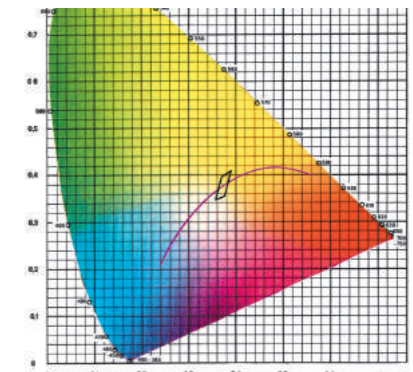


Shadow Reduction Control

The relation between light body and light field diameter guarantees an optimum illumination of the field in terms of area and depth.

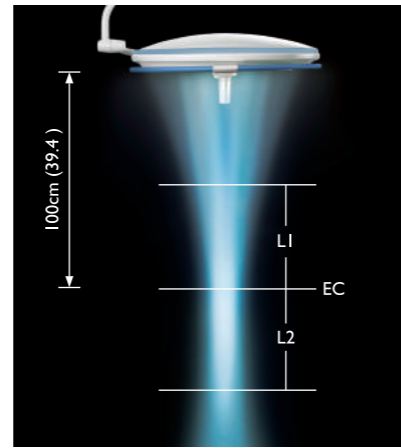
Color-Corrected Light

Optimized color clarity of the natural light is supplied under 4,200K with Ra95. This allows the skin and the appear in a natural state without color distortion from the light.



Deep Cavity Penetration

The central illumination level E_c in 1m distance for 160,000 Lux with illumination depth of luminaire $L1 + L2$ of 1,100 mm.

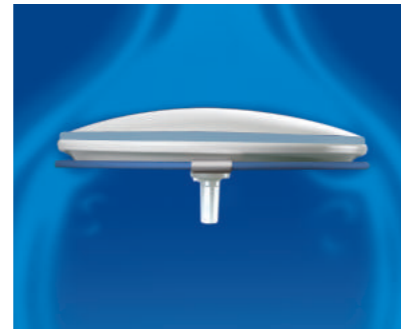


Light Head Control Box

The TriLite LED Series is capable of 12 levels of intensity. It provides 20% to 100% illumination while maintaining high color rendering index at any light level.

Superior Cleanability

Aerodynamic design light head offers minimum turbulence, and it also reduce the amount of dust accumulated and provide more sterile working environment.



A.S.M. management

Auto shadow management masked areas around surgeon's head are reduced whereas remaining zones are boosted less heat on surgeon's head the Trilite LED light head provides an ideal shadow control wherever the surgeons' position are. (only for TriLite S600-700 optional)



Optional Items

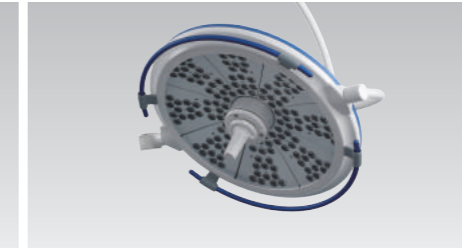


C: Separate Camera



T: Separate TFT Display

Light Head

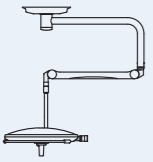
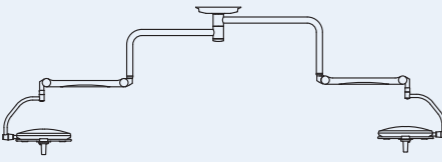
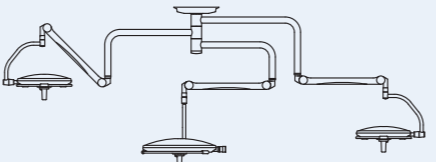
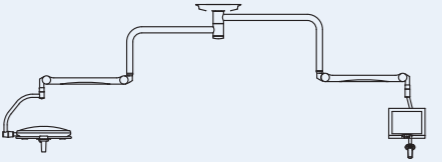
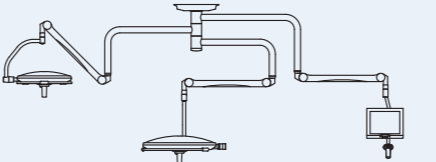
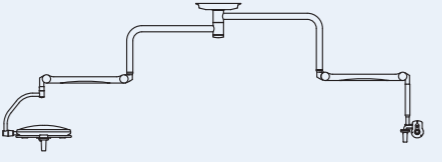
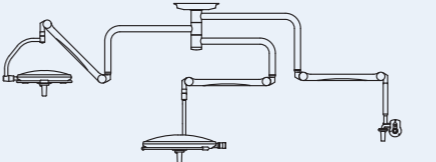
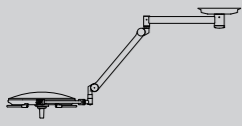
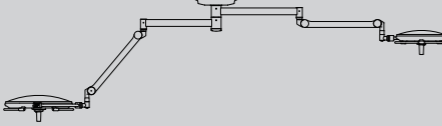
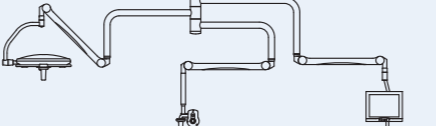
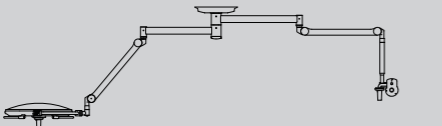
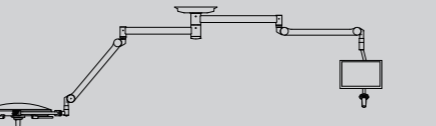


Technical Data

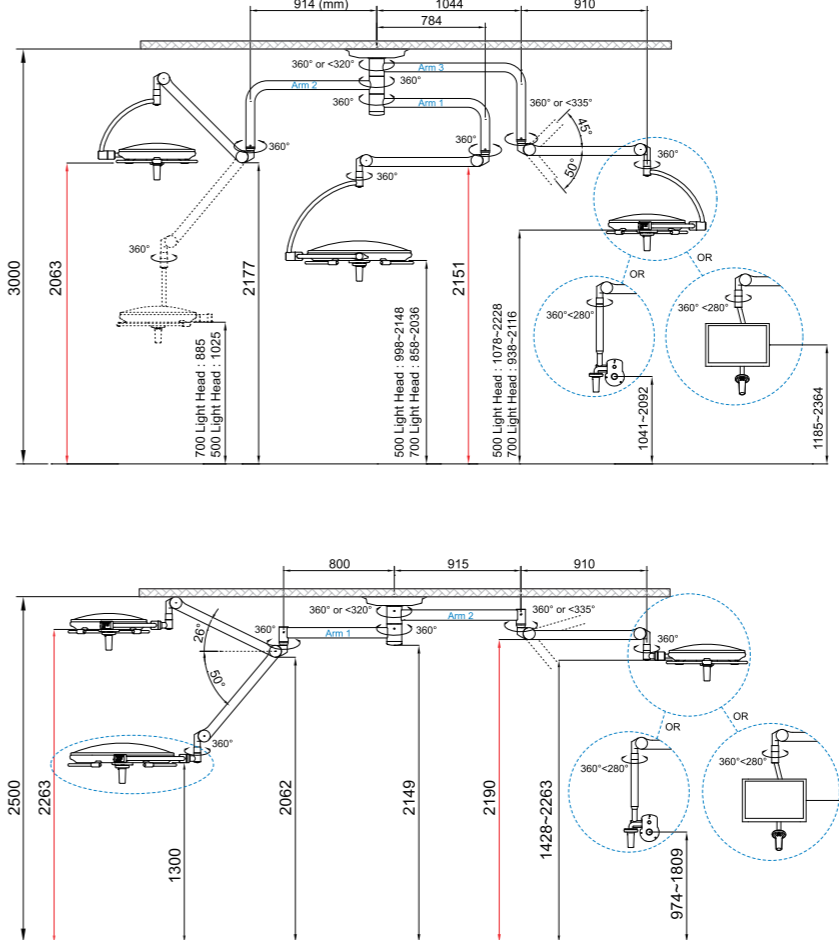
MODEL		TriLite LED S600-500	TriLite LED S600-700
Diameter of light	Diameter of light-head (mm)	560	760
Maximum intensity at 1m distance	(Lux)	120,000	160,000
Diameter of the field at 1m	(mm)	160 ~ 250	160 ~ 310
Maximum depth of field	(mm)	1,200	1,100
Color temperature	(K)	4,200	4,200
Color rendering index	(Ra)	95	95
Power consumption	(W)	110	140
Total irradiance	(W/m ²)	268.87	338.43
AC input	(Va.c.)	100 ~ 240	
LED average life time	(Hrs)	50,000	
Intensity level indication/Method		12 steps / electronic	
Removable handles for sterilization		Yes	
Dust protection		Yes	

* All specifications are subject to change without prior notice.

Model Combination for TriLite LED S600

Standard Type		
		
S600-500 S600-700	S600-550 S600-770 S600-750	S600-555 S600-755
		
S600-500T S600-700T	S600-550T S600-750T	
		
S600-500C S600-700C	S600-550C S600-750C	
Low Ceiling Type		
		
S600-500-9L S600-700-9L	S600-550-9L S600-770-9L S600-750-9L	S600-500CT S600-700CT
		
S600-500C-9L S600-700C-9L	S600-500T-9L S600-700T-9L	

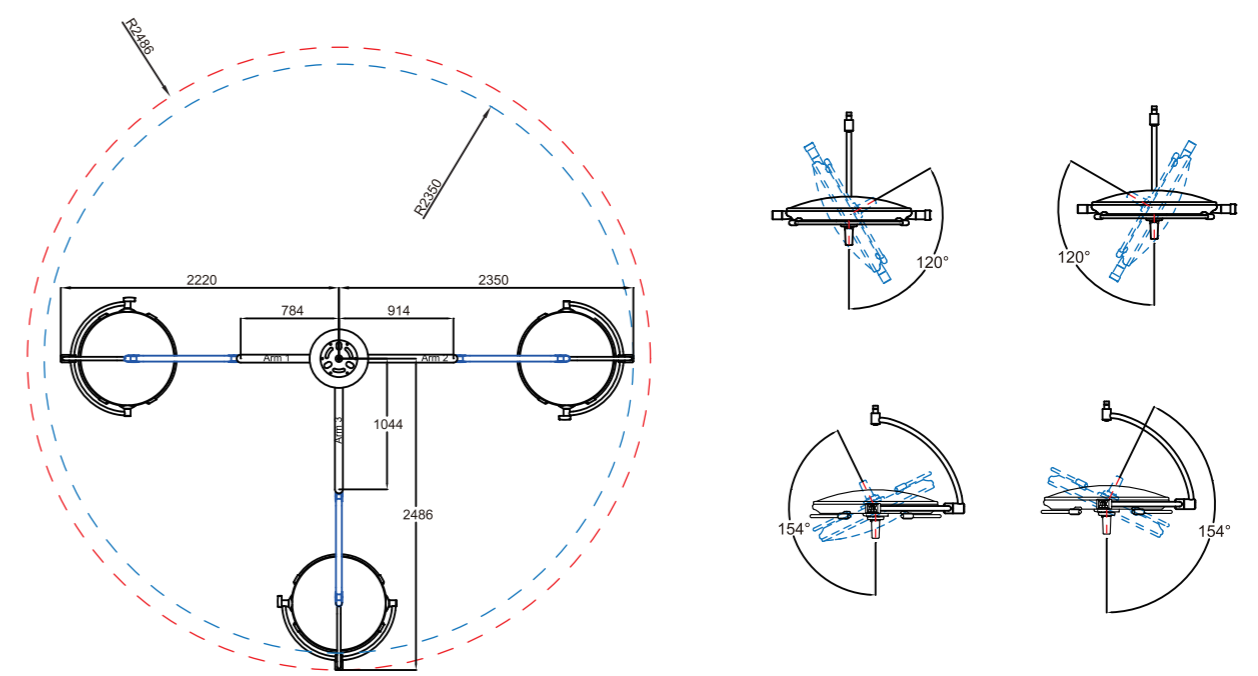
Minimum Range of Circular Motions



1 Light Head	2 Light Heads	3 Light Heads
2,900	2,900	3,000

1 Light Head	2 Light Heads
2,400	2,500

* The angles limited by Image System (C & T).



TriLite LED S600 Series

Professional & Reliable

Cantilever design provides full range of movement



Separate Camera

Non-sterile handle

Sterile handle

Endo-LED

Infrared Remote Control Capability



Infrared Remote Controller