



LED Revolution

TriLite LED S600 Series

Always Right The Way With Medical Future



BenQ
Medical Technology



Trident Medical is the most trusted OR equipment manufacturer in the world and is continually leading the advance of new technologies designed to improve surgical care.

T: Totality

- to **Social Responsibility** : Provide safe & High Quality Products.
- to **Employees** : Increase the welfare and build the harmonized Environment.
- **Shareholders** : Provide the reasonable ROI.

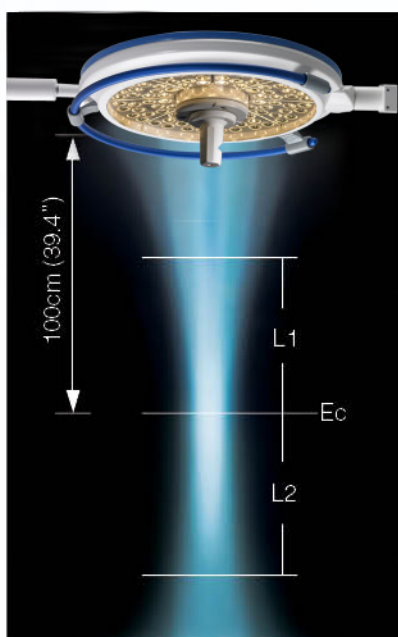
R: Renewal

- Continuous Improvement and innovation, Flexible and Energetic Company Culture.

I: Intelligence

- Inspire Employees ability and Ideas.

TriLite LED



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.



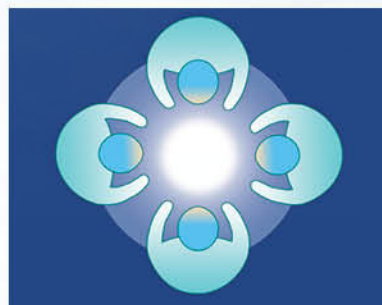
Endo-LED

The handle producing a soft environment illumination ideal for Minimally Invasive and Microscope Surgeries.



Cool Light

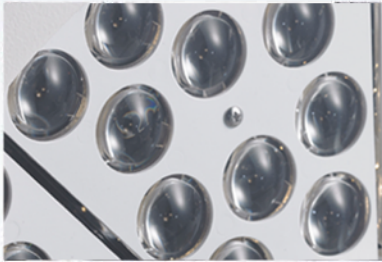
Tri Lite LED technology reduces traditional heat dissipation created by infrared emissions. This infrared-free light provides the surgeon with a more comfortable and productive working environment and improves patient safety. Low Heat: 2.2 mW/m² radiant energy.



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.

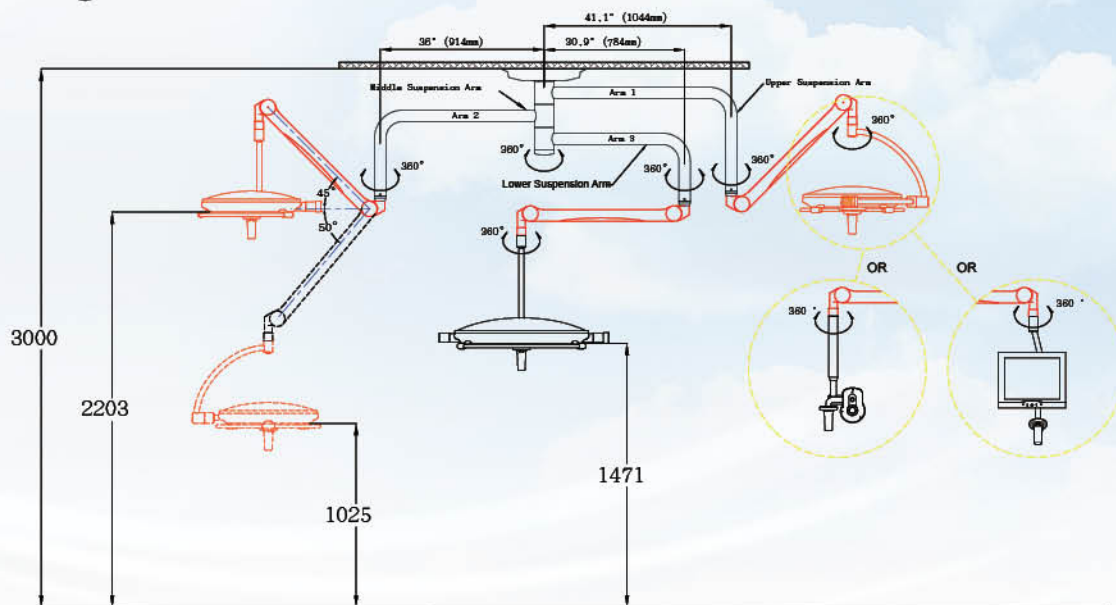
TriLite LED



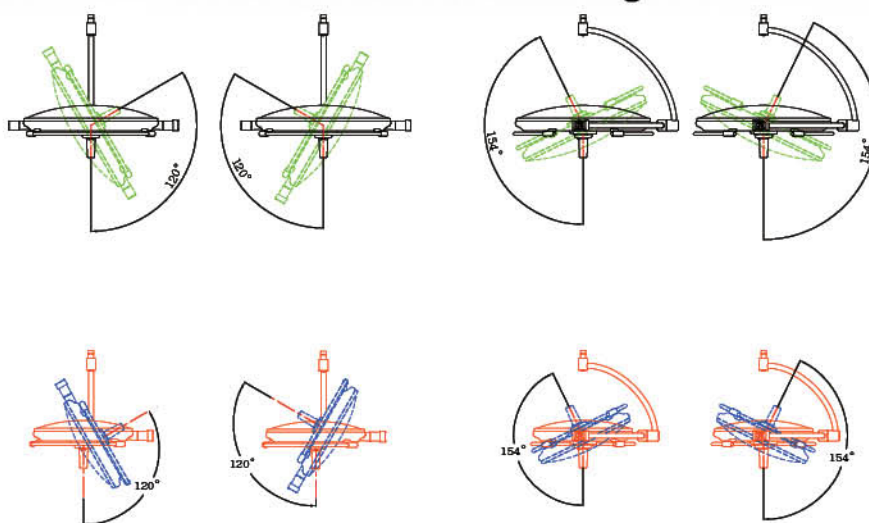
LED Revolution

The futuristic design of the Tri Lite LED is proof enough that it is an exceptional lighting solution. Its most important feature are its LEDs. On the one hand, its cool light protects the patient's tissue from drying out and provides optimum work conditions for the surgeon. On the other hand, the Tri Lite LED are extremely low-maintenance and reliable which last much longer than other light sources, while providing a very high luminous efficiency. Last but not least, their compact size make the Tri Lite LED especially small, flat and streamlined – which in turn gives its distinctive and justifiably futuristic appearance.

Range of Circular Motion



Range of Articulation





Environment protection and Energy efficiency

This technology is better, not only for you and your patient, but for the environment as well. With many hospitals devoted to "green" practices, Tri Lite LED can be part of your solution. Not only does it use one-third less energy than traditional lights, but it is rated for 40,000 hours of life. Less energy, less waste, better performance. Now that is a brighter idea.



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 whatever the surgeon position. (only for TriLite S600-700 optional)



Light Head Control Box

The TriLite LED series is capable of 12 levels of intensity. It provides 25% to 100% illumination while maintaining high color rendering index at any light level.

TriLite LED S600 Series



Technical Data

MODEL		Tri Lite LED S600-500	Tri Lite LED S600-700
Light Head Diameter	(mm)	560	760
Max Intensity at 1 m	(Lux)	120,000	160,000
Color Temp	(K)	4500k	
Color Rendering Index	(Ra)	> 95	
Field Diameter	(mm)	160~250	160~310
Depth of the volume of light L1+L2	(mm)	1200	1100
Temp. Increase		<2°(Head), <12°(Working Field)	
Light Head Weight	(kg)	14.5	20.4
No. of Bulb LED		96	160
LED Life	(hours)	40,000 hours	
Volt. Required	(VAC)	100~240	

* Minimum ceiling height for clearance of 3,000(mm)

* All specifications are subject to change without prior notice

Optional Items

Separate CCD (in Camera arm) Code D	TFT (in monitor arm) Code T
	

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