

Add Hi-Tech Precision to your Surgical Expertise...



First **PWM** Endolights... Complete Lacunar Vision

- Pulse width modulation controlled
- No heat emission
- High Color Rendering Index
- Surgery & real time display.



Endoscopic Light Source





Technical Specifications of Shalya EndoLUX

Light Source Type	LED	
LED Brightness	2400 lumens	
Fiber Interface	Storz fiber (Ø: 4.8 mm)	
Noise	< 50 db	
Brightness Control:	01 to 30 (in steps of 1), 30 to 50 (in steps of 2), 50 to 100 (in steps of 5)	
	DC	PWM
Light Color:	Cool white	Day white
Color Temperature:	6500 K +/-600	5500 K +/-200
Life	>50,000 h	>60,000 h
Color Rendering Index	> 75	> 93
Input Voltage	95 to 264 VAC, 50/60 Hz	
Maximum Power Consumption	250 W	
Touch Control Panel	5" LCD screen	
Design Standard	General Safety Standards: IEC 60601-1-1	
	EMI/EMC Compatibility Standard: IEC 60601-1-2	
	Endoscopic Equipment Safety Standard IEC 60601-2-18	

Features of Shalya EndoLUX

- **Pulse Width Modulation (PWM) Technology** ensures consistent Color temperature, **CRI** & maintains the light intensity throughout the procedure.
- **Better Substitute to Xenon Source:** Luminous output, CCT and CRI of the light are comparable with a typical **300W** Xenon Lamp, while consuming less power.
- **High CRI (Ra):** Color Rendering Index (Ra) > 93 signifies that the entire visible light spectrum is perceived, enabling visualization of **finest variation in tissue color**.
- **Steady Light Output: Flicker free** LED light source which ensures clear view as well as assures **acquisition of clear images** of tissue.
- **No Undesired Heat: No emission of UV and IR** from the LED source, which avoids any **undesired heating of tissue**.
- **Automatic Shut off:** With **special detection sensors**, abrupt disconnection of fiber cable automatically shuts off the light, providing operator safety due to anti-dazzle feature & avoiding power wastage.
- **Surgery Timing Indicator** indicates the time from the onset of surgery as well as the standard time according to the set time zone with **lifetime usage indicator**.
- **Plug & Start :** As **no warm up & cool down time** required , unit turns on and off immediately.
- **Enhanced Source Life:** Long Life LED (>60,000 hours), eliminates the need of **frequent replacement**, reducing the maintenance cost and environmental waste.
- **Automatic Cooling System for LED:** Detects temperature & turns on fan only if it's required which helps in **power saving**.
- **Surgery History:** Maintains upto last **2000 surgery records** for Medico legal compliance.
- **Control:** Can be controlled via **USB/Ethernet** or centralized control in conjugation with other Shalya OT equipments.

Applications of Shalya EndoLUX

Endoscopy (General, Gastroenterological and Urology), Arthroscopy, Endoscopic Spine Surgery & ENT Surgery, Laparoscopy (Urology, General and Gynecological Surgery)

Storz's size Fibre Optic
Endoscopy Cable
4.8mm , 2.3mtr Length

Other instrument end fittings available



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