

CUDA[®]
SURGICAL



EX-400 Digital Xenon Light Source

The CUDA EX-400 is a smart system digitally managed from the intensity controls to the cooling system and contains our premium 1,000 hour life xenon lamp to deliver the brightest, whitest light source on the market. CUDA Surgical's EX-400 is the top performing xenon light source available today.

Specifications

EX-400 Digital Xenon Light Source

- Lamp Type: Ceramic Xenon User-replaceable module, exclusively designed for CUDA Surgical illuminators
- Lamp Power Rating: 400-watt
- Lamp Hours: 1,000 hours
- Dimmer System: Digitally controlled using the touch screen.
- System automatically enters standby mode when cable is removed from active port.
- Digital Control Options: Screen brightness, language options, lamp hours display, error code logging
- Input Voltage Range: 100-120 VAC, 50-60 Hz, 220-240 VAC, 50 Hz
- Power Consumption: 720 Watts max
- Regulatory: IEC 60601 3rd Edition
- Dimensions: 18 in/46 cm deep, 13 in/33 cm wide 8 in/20 cm tall
- Weight: 23 lbs / 10 kg
- Rear Panel: Fan outlet, (2) 7-amp circuit breakers, grounding lug, main appliance inlet switch, and cord retainer.
- Color Temperature: 5,600° K nominal.



Xenon Lightsource

Our Lightsources provide state of the art lighting technology and ergonomic design. The reliable and efficient light provided from our lightsources is bright, "daylight" quality light that retains tissue color allowing you to get the most out of your time and skill in your demanding environment.

ELITE 1000 - 300W Xenon Lightsource

Our premium model offers the brightest and whitest illumination required for surgical procedures. Standard to this model is a 1000 hour lamp, lamp life hour meter on the rear panel and 5600k color temperature.

ELITE 1000

- Lamp Type Ceramic Body Elliptical Lamp
- Lamp Power Rating 300 Watts
- Lamp Color Temperature 5,600K
- Lamp Warranty 1000 Hours
- Front Panel Controls On/Off Switch, Attenuator Control, Turret
- Input Voltage Range 100 – 120 VAC 50 /60Hz, 220–240VAC 50Hz
- Power Consumption 450 Watts
- Regulatory UL60601, EN 60601-1, EN 60601-1-2, CAN/CS C22.2, No 601.1-M90, CE
- Equipment Class BF-TYPE
- Dimensions 338mm (13.3") W x 155mm (6.1") H x 457mm (18") D
- Weight 10.0 kg (22 lbs)
- Variable Spot 20 -110mm measured at 16" (40cm)
- Light Output - 225,000 Lux measured at 16" (40cm)



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LED Light Sources

LED 4000

Cuda Surgical's LED 4000 is a state-of-the-art LED light source designed to provide light for headlight and endoscopic procedures. The lumen output is comparable to many Xenon light sources currently being used in endoscopy. The expected LED life of 30,000 hours eliminates the need to purchase replacement lamps, thus saving money in operational costs.

- Compact, efficient, durable source of brilliant "day light" quality light for endoscopy.
- Expected LED life of 30,000 hours
- Color temperature: 6,500°K @ 75 CRI for maximum output 5,600°K @ 92 CRI for fuller spectrum
- Ergonomically designed turret includes ACMI, Olympus, Storz, & Wolf ports.
- LED automatically enters standby mode when cable is removed from active port.
- Headlight Output Measured @ 16" (40cm) - HIGH CRI 50,000 Lux, STANDARD CRI 80,000 Lux.



LED 4000

LED 3000

Cuda Surgical's LED 3000 is a high brightness white LED light source that delivers clear white light required by today's surgeon's to accurately and precisely distinguish tissue color. A simple solution to the illumination needs in the specialties of endoscopy, surgical microscopy, and laparoscopy.

- Compact, efficient, durable source of brilliant "daylight" quality light for endoscopy.
- Expected LED life of 30,000 hours
- Color temperature: 6,950°K
- Ergonomically designed turret includes ACMI, Olympus, Storz and Wolf ports.
- LED automatically enters standby mode when cable is removed from active port.
- Headlight Output Measured @ 16" (40cm) - 60,000 Lux.



LED 3000

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LLS-9500 LED Headlight

Specifications

10w LED Producing Bright, White Light

- Color temperature: 4,500° K
- Typical LED life: >50,000 hours
- Premium Designed Lightweight Headband with Rear Cranial Support for added comfort
- Variable Module Spot 20mm-110mm @ 16"(40cm)
- Variable Intensity Control: 0 – 70,000 Lux at 16"(40cm) working distance
- Headband with LED Module Weight – 9 oz / 255 grams
- Battery and Holster Weight – 12 oz / 340 grams
- Battery Life – 2 hrs 30 min @ Full Intensity, 5 hrs at Half Intensity
- Battery Charger Accepts 100-240V AC, 50/60 Hz input for worldwide operation
- Battery Recharge Time – 3.5 hrs
- Warranty Three (3) Years on LED Headlight and One (1) Year on Battery
- Classification: European Class I, Active device per Annex IX, rule 1
- FDA Class I, Device Listing 125713
- Complies with Essentials Requirements Matrix of MDD 93/42/EEC, amended by 2007/47/CE

LLS-5500 Wireless LED Headlight

Specifications

10w LED Headlight

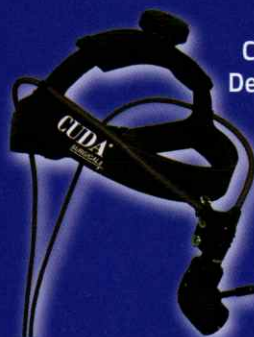
- Variable Module Spot 20mm-110mm @16" / 40cm
- Side mounted variable intensity control: 0-30,000 Lux at 16" / 40cm working distance
- Rear Cranial Support Headband for added comfort
- Headband with battery weight 15oz / 437grams
- Battery weight 3.7 oz / 106g
- Battery life 4 hours at full intensity and doubles at half output (power)
- Battery Recharge Time – 4-5 hrs
- Color Temperature 4,500K typ.
- Color Rendition Index (CRI): 75
- Typical LED life: >50,000 hours
- Warranty Two (2) years on LED Headlight and one (1) year on Batteries
- Classification: FDA Class 1 Device Listing D125713



Headlights



**CUDA Surgical
"RCS" Headlight**



**CUDA Surgical
Deluxe Headlight**



**CUDA Surgical
Sport Headlight**