

Elite Light Source

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Xenon Light Source



Our Elite 1000 model offers exceptional bright, white illumination required for surgical procedures. Standard to this model is a 1,000 hour lamp, lamp life hour meter on the rear panel and 5,600K color temperature.

- New Ceramic body elliptical lamp
- 1,000 hour lamp
- Precise Lamp Alignment System
- Dual Fan Cooling System
- Manual Intensity Slide
- Xenon automatically enters standby when cable is removed from active port
- Whisper Quiet
- High quality performance



Xenon Light Source

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

Ordering Information

- ELITE1000-K: 300 Watt Xenon light source, 4 Port Turret
 - DRH-110B-ESG: CUDA ELITE "RCS" Headband & 110MM variable spot module, 3.5MM Molded SureGrip black bifurcated cable
 - SYC0070T: Floorstand For CUDA light sources
 - SYC0300: Replacement Lamp Module for ELITE1000
- (For International use replace -K with required power cord plug)

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Headlights

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CUDA Surgical "RCS" Headlight

The Rear Cranial Support System offers a revolutionary concept that enhances the comfort and feel of wearing a surgical headlight. The crown support runs from front to back instead of the conventional side to side allowing for better adjustment and stabilization of the module. These features increase user comfort especially during lengthy procedures.



The Molded SureGrip Handle eases cable removal from the light source and helps prevent fiber damage.

CUDA Surgical Deluxe Headlight

Our Deluxe style headband is economical, lightweight, and suitable for daily use.

CUDA Surgical Sport Headlight

The sportband style headlight gives you a level of total comfort and fit while still providing module stability and adjustability.



Surgical Headlight

Specifications

- A Lightweight Headband with Rear Cranial Support and Dual Ratchet adjustable Knobs for Premium Comfort
- Headlight Module with 20mm-110mm Variable Spot @ 16 inches/40cm working distance
- Fused 3.5mm Bifurcated Fiber Optic Cable 9' Long with Lensed Proximal End to optimize Light Output
- Molded SureGrip and Bifurcation add Flexibility and the Reinforced Sheathing Protects the Fiber Bundle
- Headband with Module Weight - 4.5 oz/128 grams
- Headband, Module and Bifurcated Fiber Optic Cable Weight - 6.5 oz/180 grams

System Includes

- 1 Headlight With Rear Cranial Support "RCS"
- 1 20mm-110mm Variable Spot Module
- 1 3.5mm Bifurcated 9' Long SureGrip Cable with Lensed Proximal End
- 2 prepackaged, sterile, single use, joysticks
- 1 Duffel Bag for storage

Headlight Ordering Information

- DRH-110B-ESG: RCS Headband, 110mm variable spot module, 3.5 mm molded SureGrip bifurcated black cable
- DRH-110S-ESG: RCS Headband, 110mm variable spot module, 3.5 mm molded SureGrip single black cable
- SOH-110B-ESG: CUDA Elite SPORT Headband, 110mm variable spot module, 3.5 mm molded SureGrip bifurcated black cable
- SOH-110S-ESG: CUDA Elite SPORT Headband, 110mm variable spot module, 3.5 mm molded SureGrip single black cable
- ESG-3500B-BLACK: CUDA 3.5mm, molded SureGrip black bifurcated headlight cable, Wolf lensed
- ESG-3500S-BLACK: CUDA 3.5mm, molded SureGrip black single headlight cable, Wolf lensed
- SYC-0200: Rear cranial support headband
- SYC-0041: CUDA Surgical "RCS" only
- SYC0026: Module hinge extension for increased module mobility
- SYC-0040: Replacement comfort liners for headband (Set of 3)
- SYC0067: Replacement sterile joysticks (Set of 10)

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CUDA Surgical's 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 "daylight" 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 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 2000

- Compact, efficient, durable source of brilliant "daylight" quality light
- Ideal for office use and post OP examinations
- Expected LED life of 50,000 hours
- Color temperature: 6,500°K nominal
- Ergonomically designed turret includes ACMI, Olympus, Storz & Wolf ports.
- Headlight Output Measured @ 16" (40cm) - 20,000 Lux

LED 4000 & LED 3000 light source

- Compact, efficient, durable source of brilliant "daylight" quality light for headlights and endoscopy.
- Lumen output comparable to many Xenon units but more stable and consistent light output.
- Expected LED life of 30,000 hours (15 years @ 40 hrs/week x 50 weeks/year) eliminates costly periodic lamp changes.
- Color temperature: LED 4000 6,500°K @ 75 CRI or 5,600°K @ 92 CRI. LED 3000 6,950°K
- Ergonomically designed turret includes ACMI, Olympus, Storz, & Wolf ports.
- LED automatically enters standby mode when cable is removed from active port.
- Standby mode turns off LED but keeps light source energized and adjustable.
- Accepts 100-240V AC, 50/60 Hz input power for worldwide operation.
- Regulatory: IEC60601-1 3rd Edition, CAN/CSA C22.2 No. 601.1, CE mark.
- Dimensions: 11" (28cm) W x 4.5" (11cm) H x 11" (28cm) D; Weight 7.5 lbs (3.4kg).

LED 2000

Cuda Surgical LLS 2000 light source

- 50W Solid State LED Light
- Compact, efficient, durable "daylight" light
- LLS 2000 utilizes high efficiency design
- Color temperature: 6,500° K nominal
- Typical LED life: >50,000 hours
- Low power consumption: 52W typical
- Electronic (PWM) intensity control from 0-100%
- Four-port turret and single port versions available
- Standard ports are ACMI, Olympus, Storz, and Wolf.
- Accepts 100-240V AC, 50/60 Hz input power for worldwide operation
- Regulatory: UL60601-1, CAN/CSAC22.2 No. 601.1, EN60601-1-2; CE marked
- Dimensions: 4.65" (12cm) W x 3.32" (8cm) H x 7.25" (18cm) D 10" (25cm) overall.
- Weight: 1.14 kg (2.5 lbs)

Ordering Information

- LLS-4000T-SC-K: LED 4000 light source with Standard CRI and "K" cord
- LLS-4000T-HC-K: LED 4000 light source with High CRI and "K" cord
- LLS-3000T-K: LED 3000 light source with "K" cord
- LLS-2000T-K: LED 2000 light source with "K" Cord
- SYC0070T: CUDA light source Floorstand
- DRH-110B-LED-Black: "RCS" Headband, 110MM variable spot module, ESG-4000B-black BIF cable
- ESG-4000B-Black: 4MM, fused headlight cable, with SureGrip for LED light sources
(for international ordering please specify power cord as required)



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CE



ISO 9001 and 13485 Certified

LED Headlight

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LLS-9500 Battery Powered LED Headlight System

CUDA Surgical's LED headlight produces an unparalleled bright, white light with superior battery life so you can work without interruption. The revolutionary Rear Cranial Support design will create a new wearing experience, which is lightweight, comfortable, flexible and durable!

CUDA Surgical LED Headlight

Prepare to be amazed by the superior light quality and feather weight comfortable feel of this 10W LED lighting system. The battery operated LED Headlight System provides 70,000 lux of light (measured at a 16 inch/ 40cm working distance) to the surgical site and features an audible sound when battery charge is getting low. Also available with Cuda Surgical sport band.

CUDA Surgical Battery and Charger

Each battery lasts 2 hours 30 minutes at full intensity, 5 hours at half power (output). The charger will fully charge an empty four cell battery in 3 ½ hours. The LLS-9500 system comes with two batteries for easy replacement when one battery becomes low during procedures and is now available with a single bay or a dual bay charger.



LLS-9500 LED Headlight

Specifications

10w LED Producing Bright, White Light

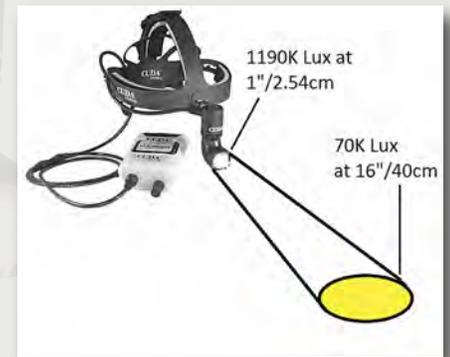
- Color temperature: 4,500°K
- Typical LED life: >50,000 hours
- Premium Designed Lightweight Headband with Rear Cranial Support for added comfort
- Variable Module Spot 20mm-110mm @ 16" (40cm)
- Variable Intensity Control: 0 – 70,000 Lux at 16" (40cm) working distance
- Headband with LED Module Weight – 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

System Includes:

- 1 LED Headlight with Rear Cranial Support "RCS" Headband
- 1 Power Pack Holster with Intensity Control
- 2 Rechargeable Batteries
- 1 Single Bay Battery Charger
- 2 Garment Clips
- 1 Padded Carrying Bag with Shoulder Strap

Ordering Information:

- LLS-9500-K: Complete LED Headlight System with Single Bay Charger, RCS Headband
- LLS-9500-SB-K: Complete LED Headlight System with Single Bay Charger, Sportband
- LLS-9500-DB-K: Complete LED Headlight System with Dual Bay Charger, RCS Headband
- LLS-9500-SBDB-K: Complete LED Headlight System with Dual Bay Charger, Sportband
- LLS-9500DB-EXL-K: Complete System with Dual Bay Charger, RCS Headband and Extended Linkage
- LLS-3736: Replacement Single Bay Charger
- LLS-3736-2: Dual Bay Charger
- LLS-2054HE: CUDA Surgical Encrypted Holster
(For International ordering please specify power cord.)



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Wireless Headlight

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LLS-5500 Wireless LED Headlight

CUDA Surgical's LLS-5500 Wireless LED Headlight offers the ability to be untethered from a light source or remote battery pack while providing bright, white light with a uniform spot. The lightweight RCS headband provides comfort and stability where a wireless headlight is preferred.



Features & Benefits:

- No external wires or batteries
- 30,000 lux output at 16"/ 40cm distance with a bright, clean, uniform spot
- 20-110mm spot variability at 16"/ 40cm working distance
- Variable output switch on side of headband to set different light outputs
- 4 hour battery life for fully charged battery at maximum output
- Battery life doubles when used at 50% output
- New headband design distributes weight evenly for maximum comfort
- Accessible battery on the headband is quick and easy to change
- Low-battery indicator clearly visible on side of headband
- 4-5 hour recharge time for batteries



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

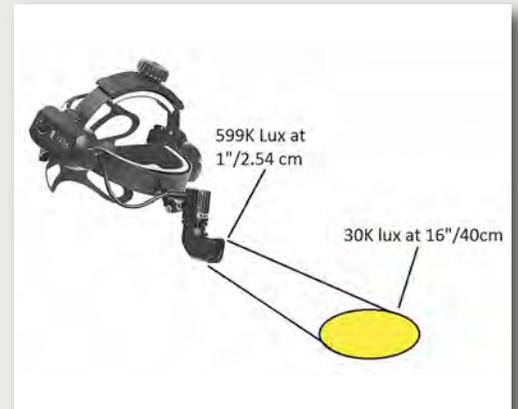


System Includes:

- 1 LED headlight with Rear Cranial Support "RCS" headband
- Side mounted battery holster and attenuator
- 2 Rechargeable batteries
- 1 single bay charger
- 1 padded carrying bag with shoulder strap
- Disposable Joysticks for positioning module

Ordering information:

- LLS-5500-KIT: LED Battery Operated Headlight System includes charger and two batteries with International adaptors.
- LLS-1821J: Replacement Battery for LED 5500
- LLS-1821J-C: LED 5500 battery charger
- LLS-0026B: Black Module Hinge Extension to allow for loupes



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Fiberoptic Cables



P/N ESG-3500B-BLACK



P/N ESG-4000B-BLACK



P/N SYC-2900 Luxtec Replacement

All of our fiberoptic cables are manufactured to a high standard of quality, performance, and reliability. They are skillfully manufactured in house with medical grade materials and comply with FDA regulations and ISO 13485 certification. New to our extensive line of fiberoptic cables is CUDA Surgical's Molded SureGrip handle, a patented ergonomic design feature that provides added strain-relief, durability, and ease of cable removal from the light source.

Cuda Surgical Headlight Cables

Our headlight cables are designed to deliver the maximum light output and performance when used with our Cuda Surgical headlights. The patented process of fusing the fiber bundle at the proximal end combined with using a high quality lens to focus the light results in an increase in light transmission outperforming the competition.

Replacement Headlight Cables

Our replacement headlight cables are manufactured with the same quality and performance as our standard fiberoptic cables. We offer high quality replacement headlight cables for the following competitors: Luxtec, Welch-Allyn, BFW, Aculux, Applied Fiberoptics, and Isolux.

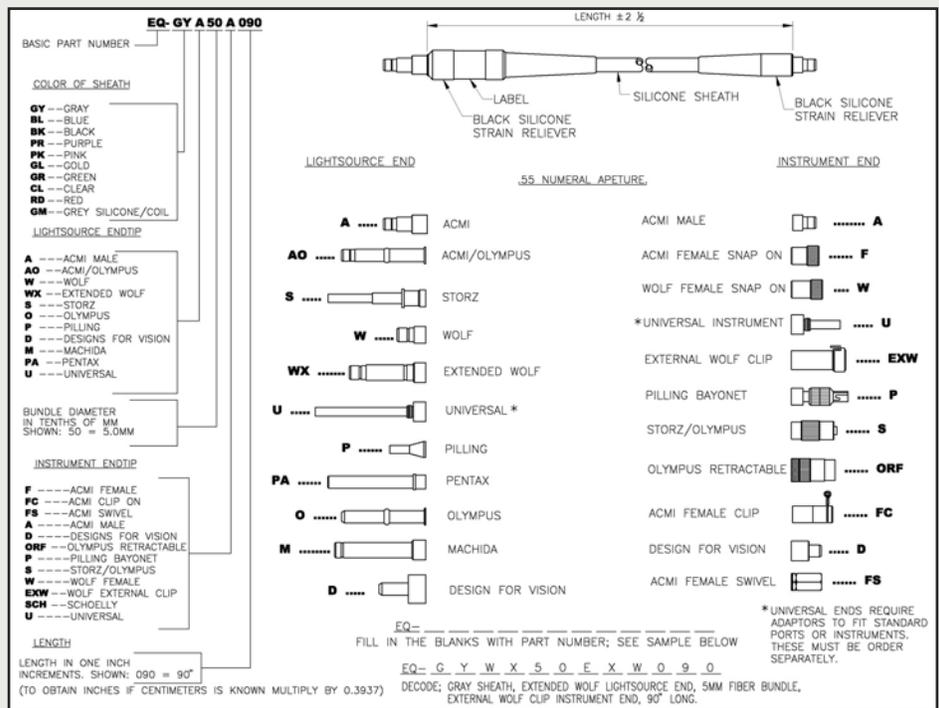
Endoscopic Cables – Universal/Dedicated

Cuda Surgical fiberoptic cables are designed to deliver maximum light when coupled to a medical grade fiberoptic light source. They are compatible with virtually all endoscopes, medical instruments, and microscopes.

The cables can be manufactured with bundle diameters ranging from 3.0 mm to 5.0 mm so that the bundle matches the bundle of the instrument being used for optimal lighting. We offer eight different opaque colors of medical grade silicone sheathing so that each department can have their own unique identifier. All of our endoscopic cables are hermetically sealed and can be sterilized using steam autoclave, cold soak, Steris, or Sterrad.

Endoscopic Cables – Universal Style

Cuda Surgical Universal cables can be used with various adapters according to the light source and instrument that is to be used for a procedure. Each end of the cable has to be fitted with a thread on adapter to properly function. This gives you the versatility of creating a custom cable by simply changing the adapters on each end.



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The Brilliant Choice

Manufacturers of Reliable, High-Quality Illumination Products



CUDA Surgical is a leading manufacturer of xenon lamps for medical use. In this specialty field, we focus on CeraLux (TM) ceramic xenon short arc lamps. We offer B and C body styles with ellipsoidal and parabolic reflectors. Our line of xenon lamps include lamps, lamp modules, and various accessories.



Manufactured in the USA, these lamps provide high-quality lighting backed with superior value and direct access to technical assistance. All lamps offer true color rendition and use safer materials than other lighting techniques. Our products have been designed to be durable and dependable within the environments in which they are used. This narrow focus enables us to remain true to our goal of having the best value and speed of service in the industry.

Some of the light source brands CUDA Surgical can provide illumination for are listed below:

BFW

Leica

Linvatec

Storz

Isolux

Moeller-Wedel

Olympus

Pentax

Smith & Nephew

Stryker

Integra/Luxtec

Welch Allyn

Richard Wolf

Zeiss

Fujinon

CeraLux lamps™ are short arc, high pressure, xenon lamps that have parabolic and elliptical reflectors integrated in the design. By having reflectors with this type of construction, our lamps can produce pre-aligned collimated or focused beams of high intensity white light. This white light is due to xenon gas' ability to emit UV,



Visible and IR output that is closely matched to that of the sun (color temperatures of approximately 6,000° K). Compared to quartz type lamps, CeraLux lamps are safer because of the materials used and easier to work with due to the pre-focused reflectors. The rugged construction of these lamps incorporates high strength welds and brazed seals. They are designed for DC operation with instant "on" ignition. Unlike metal halide and mercury lamps, no warm-up time is required for the lamp to produce its superior white light. Another advantage is that no mercury or rare earth elements are used in our lamps, so there are no environmental or disposal issues.

CeraLux™ xenon lamps from CUDA Surgical have been designed to be exact replacement for existing ceramic xenon lamps, as well as optimized for the use of OEMs, and other individual customers. They are used extensively in medical endoscopy, fiber optic illuminators, dental curing, dental bleaching, solar simulation and for industrial use.

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