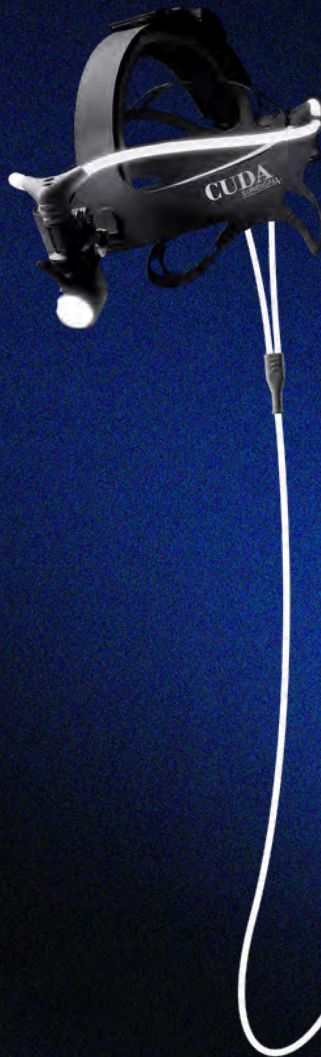


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Light That Follows the Surgeon's View

Designed, Developed, and Manufactured in the USA

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Elevate the Way You Operate

The CUDA HD Wireless Camera illuminates your procedure more than ever before while also capturing a clear, accurate view for the whole team.

The CUDA LHD-30 Wireless HD Headlight Camera System allows users to capture the surgeon's unique point of view of surgical procedures with unlimited mobility and superior light output. The high-quality camera provides the entire operating room team with a crisp, clear image of the surgical site.

The CUDA LHD-30 can be used for a wide range of applications including improving patient records, refining techniques, documenting revisions and teaching purposes.

Wireless transmission from the recording unit/battery pack to the receiver eliminates additional cables in the operating room and allows the user more comfortable movement around the patient table.

Videos and still images are captured easily using a remote programming device or by pressing the corresponding buttons on the recording unit/battery pack.

Recordings and pictures are saved to a 128G SD card internal to the recording unit and exported easily to a computer via a USB to mini-USB cable.

A robust, one of a kind system designed to provide the surgeon and the OR Team with a unique perspective during surgical procedures without ever compromising mobility, quality of light or light output!

Specifications

Wireless HD Headlight Camera System

- Captures crisp, high-definition video and images
- Control video recording and still images with recording unit or remote programming device
- Real-time image view on the OR Display
- Easy transfer of files to PC
- Optional lenses available for different fields of view
- 80,000 Lux (*measured at 16 in/ 40 cm working distance*) with defined uniform white light throughout the variable spot size
- Battery-powered unit allows maximum mobility
- Lightweight Headband with Rear Cranial Support
- Robust Aluminum Module with variable 20mm to 110mm spot
- System Equipped with Extended Linkage, which accommodates most surgical loupes
- Removable camera for headlight-only use



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Max300



The Future Just Got Brighter

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Our Brightest Performer

Providing quality headlight systems to surgeons for more than two decades, CUDA Surgical is proud to introduce the Max300 Xenon light source. A product of our vast experience, and continuous research and development efforts in Xenon lighting, the Max300 offers superior performance by integrating our most recent technological advancements into the most robust, user friendly, and efficient Xenon light source available today.



Shown with our DRH-110B-ESG-WHD Xenon Headlight

Superior Xenon Performance

- 285,000 lux at 16 inches/40cm working distance; The brightest and newest 300W Xenon light source available
- Innovative Optical Train Design; Improved light path design for the most efficient light transmission possible
- Pro-Rated 1000 Hour Lamp Life
- Upgraded parabolic lamp design; optimum performance of the lamp over a longer period of time backed by our 1000 hour warranty
- 5600° K color temperature for natural, accurate color rendition of tissue. CRI (Color Render Index) of 97+
- Advanced Dual Fan Cooling System; runs quiet and cool extending the life of the unit
- State of the art Xenon technology; not decades old design

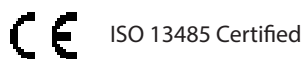
System Highlights

- When paired with a CUDA headlight, light is evenly distributed through the light spot with no hot center or distracting halo
- Intuitive, easy to use touchpad interface
- Digital display of light output and total running hours
- Stand-by mode leaves light source ready to use with no distracting light leakage
- Service messages provide for quick maintenance; resettable lamp life meter on back
- Automatic shutter closes when fiber optic cable is removed for enhanced safety
- Easy lamp replacement. No tools needed unlike other systems on the market
- Four port turret featuring ACMI, Wolf, Olympus and Storz connections for maximum flexibility



Scan to learn about Max300

Designed, Developed, and Manufactured in the United States.



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Headlights

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CUDA Surgical "RCS" Headlight

The Rear Cranial Support System introduces an innovative concept that greatly improves the comfort and experience of using a surgical headlight. Unlike the traditional side-to-side design, this system implements a crown support that extends from the front to the back, offering superior adjustability and stability for the module. By incorporating these advancements, user comfort is significantly enhanced, particularly during long and intricate 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

Our lightest headlight model, the SportBand provides superior comfort while ensuring 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
- Bifurcated cable distributes weight evenly while molded SureGrip handle and reinforced sheathing protect 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 joysticks designed for precise positioning of the light spot - reusable and sterilizable
- 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)
- SYC-0014: Joysticks for use with all Cuda Headlights (5 per set, aluminum, autoclavable)

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CUDA Surgical's LED Light Sources



Welcome to the future of surgical lighting with the LLS-4000, Cuda Surgical's revolutionary LED light source. Meticulously engineered to illuminate headlight and endoscopic procedures, this state-of-the-art device sets a new standard in lighting technology. Boasting a lumen output on par with traditional Xenon light sources employed in endoscopy, the LLS-4000 delivers unparalleled brightness and clarity. With an impressive LED lifespan of 30,000 hours, there's no need for costly replacement lamps, allowing for substantial savings in operational expenses. Step into a new era of surgical precision and cost-efficiency with the LLS-4000.

LED 4000

- Now 20% Brighter with a light output of 105,000 Lux with a CUDA Surgical Headlight
- 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 best quality light
- 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) standard w



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) - ,000 Lux

LED 4000 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 for best quality white light
- 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.

Ordering Information:

- LLS-4000T-SC-K: LED 4000 light source with Standard CRI and “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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LED Headlight

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The ELITE LLX A Superior Battery Powered LED Headlight System

CUDA Surgical's Portable LED headlight produces an unparalleled bright, white light with extended battery life and a patented Rear Cranial Support System for superior comfort.

The ELITE LLX features an efficient, modern light module design made from robust aluminum and offers optimum untethered freedom with its portable, wireless design for superior surgical illumination.

CUDA Surgical LED Headlight

Prepare to be amazed by the superior light quality and feather weight comfortable feel of this 10W LED lighting system for surgery. This battery operated LED Headlight System provides 80,000 lux of homogenous 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" headband.)

CUDA Surgical Battery and Charger

Each battery lasts 3 hours, 15 minutes at full intensity or 6.5 hours at half power (output). The charger will fully charge an empty four cell battery in 3 ½ hours. The ELITE LLX System comes with three (3) batteries (2 Standard, 1 Extended Life) for easy replacement.



ELITE LLX LED Headlight

Specifications

10w LED Producing Bright, White Light

- Color temperature: 5,700°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 – 80,000 Lux at 16"(40cm) working distance
- Headband with LED Module Weight – 10 oz / 272 grams
- Battery and Holster Weight – 13 oz / 385 grams
- Standard Battery Life – 3 hrs, 15 minutes @ Full Intensity, 6.5 hrs at Half Intensity.
- Extended Battery Life- 6.5 hours
- 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 Batteries
- 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 variable Intensity Control
- 2 Rechargeable Standard Batteries, 1 Extended Life Battery
- 1 Dual Bay Battery Charger
- 1 Padded Carrying Bag with Shoulder Strap

Ordering Information:

- LLS-LLX-K: Complete LED Headlight System with a Dual Bay Charger, RCS Headband
- LLS-LLX-SB-K: Complete LED Headlight System with Dual Bay Charger, SPORT headband
- LLS-LLX-CH-K: Complete LED Headlight System with Dual Bay Charger, Classic Style Headband
- LLS-3736: Replacement Single Bay Charger
- LLS-3736-2: Dual Bay Charger
- LLS-2054HE: CUDA Surgical Encrypted Holster
- LLS-2054BE: CUDA Surgical Battery (1) for LED Headlight (Encrypted)
- LLS-2054BE-DBL: CUDA Surgical Extended Life Battery (1) for LED Headlight (Encrypted)
(For International ordering please specify power cord.)



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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.

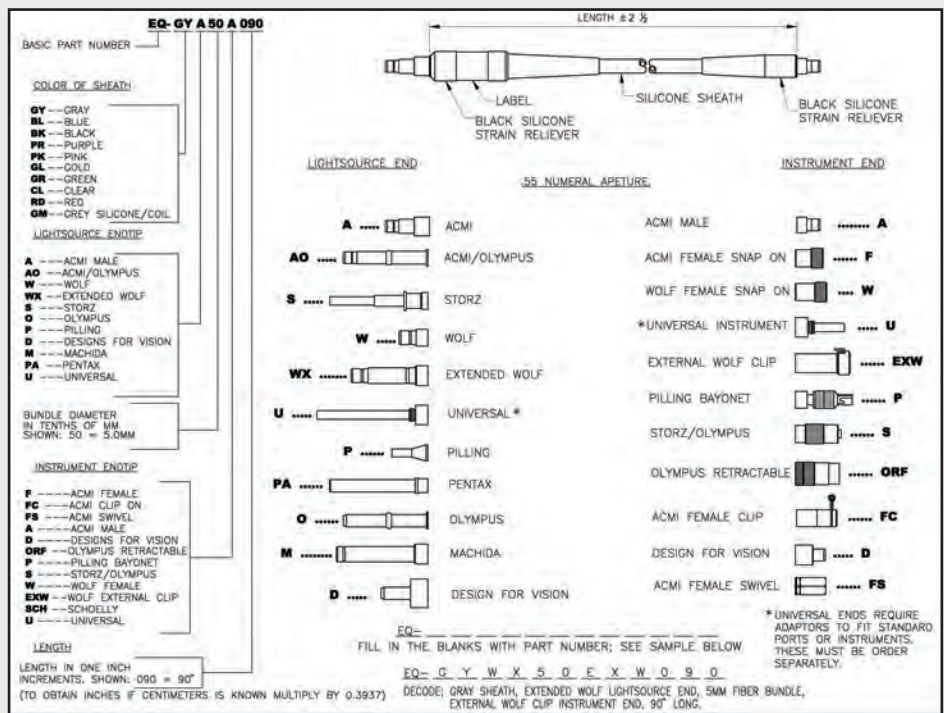
Endoscopic Cables – Universal/Dedicated

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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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 3 hours 15 minutes at full intensity, 5.5 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

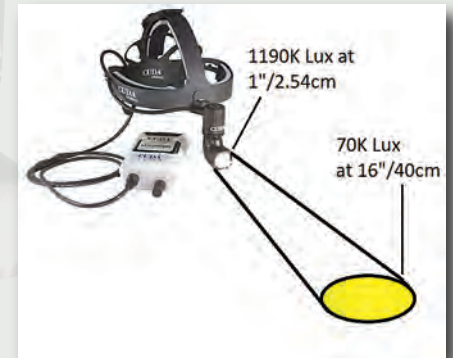
- Color temperature: 4,500°K
- Typical LED life: >50,000 hours
- Premium Designed Lightweight Headband with Rear Cranial Support for added comfort
- Variable Module Spot 20mm-110mm @ 16" (40cm)
- Variable Intensity Control: 0 – 70,000 Lux at 16" (40cm) working distance
- Headband with LED Module Weight – 9 oz / 255 grams
- Battery and Holster Weight – 12 oz / 340 grams
- Battery Life – 3 hrs 15 min @ Full Intensity, 5.5 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

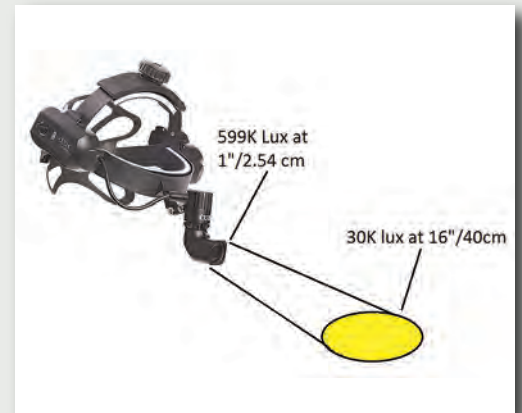


System Includes:

- 1 LED headlight with Rear Cranial Support "RCS" headband
- Side mounted battery holster and attenuator
- 2 Rechargeable batteries
- 1 Dual 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: One Replacement Battery for LED 5500
- LLS-1821J-2: Two Replacement Batteries for LED 5500
- LLS-1821C-KIT: LED 5500 Dual bay battery charger
- LLS-0026B: Black Module Hinge Extension to allow for loupes



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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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LED-4700 Battery Operated Headlight for Surgery

Soft Top
.....



Introducing our new product, the LED 4700! Designed with a keen focus on exceptional lighting performance, our latest headlight offers an unrivaled level of brightness and clarity while maintaining a lightweight and comfortable design. We are pleased to present this economic model with a variety of options that grants the ability to fine-tune the headlight to your specific needs.

Outshining the Competition in Brightness, Clarity and Comfort

- Advanced LED technology for exceptional brightness
- Light Intensity: 70,000 Lux (measured at a 16 in/40 cm standard working distance)
- Lightweight and ergonomic design for maximum comfort
- Premium Batteries built with a run time of 3 hours, 15 minutes at full intensity, 6.5 hours at half intensity
- Specialized Neoprene Wrap that is absorbent, breathable and easy to clean

Hard Top
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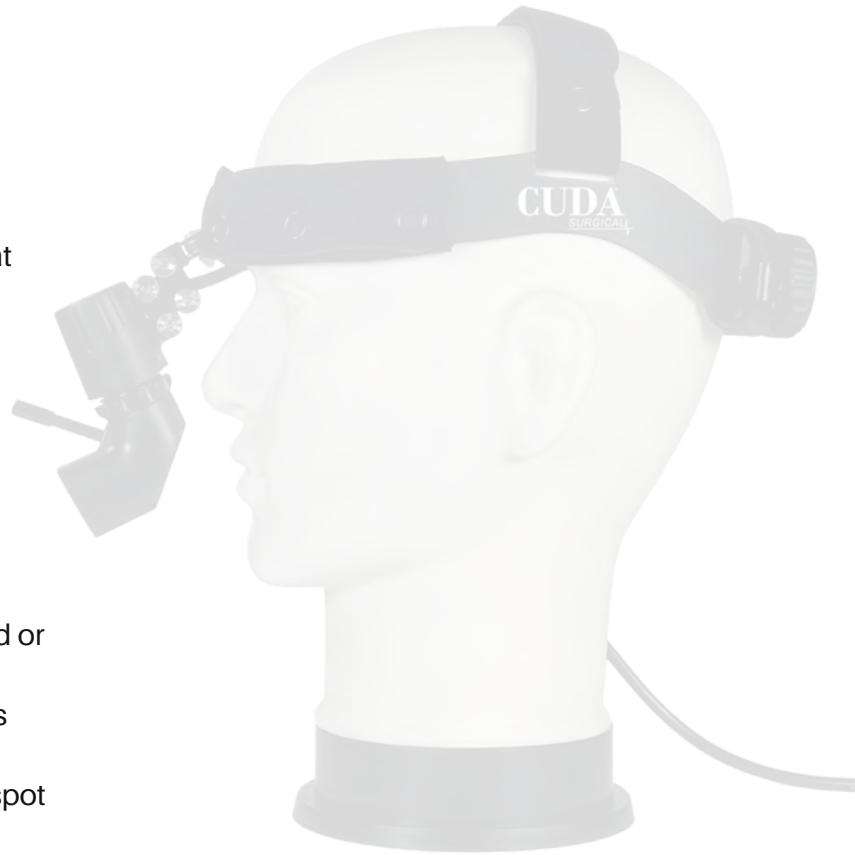
Our commitment to excellence shines through with the NEW LED-4700 Battery Operated Headlight. With this remarkable product, we have successfully combined superior quality with affordability, ensuring that a high value surgical headlight is accessible to all. Designed with the user in mind, the LED-4700 delivers a brilliant and bright light spot with excellent color representation. It is the perfect embodiment of our dedication to creating lighting solutions that empower surgeons while remaining comfortable and convenient to use.

Additional Specs:

- Color Temperature: 4,500° K for accurate color representation of tissue
- Typical LED life: > 50,000 hours
- Variable intensity control: 0 to 70,000 LUX (measured at a 16 in/40 cm standard working distance)
- Battery Recharge time 3.5 hours
- 3 year warranty for the LED headlight, 1 year for the batteries
- Audible warning when battery charge is low

System includes:

- 10 watt LED Headlight with choice of a Hard Headband or Soft Headband
- Battery Pack with two Standard Rechargeable Batteries
- Single Bay or a Dual Bay Battery Charger Option
- Reusable, autoclavable Joysticks for positioning light spot
- Carrying Bag for storage



Options available:

- Choice of Hard or Soft Top Neoprene Wrapped Headband
- Single or Dual Bay Battery Charger
- 6 hour Extended Battery Option

Visit Our Website to Learn More:



www.CUDASurgical.com

Designed, Developed and Manufactured at



6018 Bowdendale Ave. Jacksonville, FL 32216, USA
Phone 877-814-2237 Fax: 904-733-4832

LIT 400

