

Xenon Lightsources

**CUDA<sup>®</sup>**  
SURGICAL

*Lighting the Future*

CUDA Surgical's Xenon 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 300 Xenon Lightsource



ELITE 180 Xenon Lightsource

# Xenon Lightsources

## **ELITE 300 - 300W Xenon Lightsource**

Our top model offers the brightest and whitest illumination required for surgical procedures. Standard to this model is a 650 hour prorated lamp warranty, lamp life hour meter and 5600k color temperature.

## **ELITE 180 - 180W Xenon Lightsource**

This model creates bright, white light required for many surgical applications including surgery centers, surgeon's offices, day surgery centers and hospital operating rooms.

## **CUDA Surgical - Xenon XLZ-300**

The XLZ-300 model saves you valuable space with it's vertical mounting base included for retro-fitting onto Zeiss Microscopes while providing all the technical features of a 300 watt xenon lightsource.

## **CUDA Surgical Headlight "System"**

This complete, "ready-to-go" system includes a CUDA Surgical lightsource, Floorstand, RCS headlight and CUDA fiberoptic headlight cable.



Xenon XLZ-300 Lightsource



Cuda Surgical ELITE300 Headlight System



## .....Xenon Lightsources

### .....ELITE 300W Xenon Lightsource

- Powerful source of brilliant “daylight” quality light
- Color temperature: 5600°K
- Prorated lamp life: 650 hours
- Lamp life hour meter display on rear panel
- Removable lamp module with side access port for easy lamp change
- Variable intensity control from 0-100%.
- New ergonomically designed Multi-port turret (ACMI, Wolf, Storz, Olympus)
- PFC power supply accepts wide range of input power for worldwide operation
- Regulatory approvals: UL 60601, CSA, IEC 60601-1-2, CE marked
- Dimensions: 5” (12.7cm)H x 10” (25.4cm)D x 14” (35.5cm)L
- Weight: 13.2 lbs. (6 kg)

Elite 180W also available

### .....XLZ-300 Xenon Lightsource for ENT Microscope use

- Compact, efficient, durable source of brilliant “daylight” quality light
- Lamp Type: Ceramic Lamp 300 Watts
- Color temperature: 5,600°K.
- Lamp Warranty: 650 Hours Prorated
- Power consumption: 450 Watts
- Single port to accept Zeiss fiber cable on most Zeiss Microscopes
- Accepts 100-120 VAC 50/60Hz, 220-240 VAC 50Hz
- Regulatory: UL60601-1, CAN/CSA C22.2 No. 601.1, EN60601-1-2; CE marked
- Dimensions: 4.65” W x 3.32” H X 7.25” D (~10” overall)
- Weight: 13.2 lbs (6.0 kg)

XLZ-180 also available

### .....Ordering Information

- ELITE300-K Elite 300w Xenon Lightsource with 4-port Turret and Hospital Grade Cord
- ELITE180-K Elite 180w Xenon Lightsource with 4-port Turret and Hospital Grade Cord  
(For International use replace -K with required Power Cord Plug)
- XLZ-300Z-K 300w Single Zeiss port Lightsource for Zeiss Microscope
- XLZ-180Z-K 180w Single Zeiss port Lightsource for Zeiss Microscope
- SYC0001 Cuda Surgical Floorstand for Xenon Lightsources
- SYC0049 175w Replacement Lamp Module
- SYC0052 300w Replacement Lamp Module

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Headlights

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### **CUDA Surgical "RCS" Headlight**

The New Rear Cranial Support system offers a revolutionary concept that enhances the comfort and feel in wearing a surgical headlight. The crown support now 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.



CUDA Surgical RCS headlight

# Headlights

### **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.

### **CUDA Surgical Video Camera**

This is the lightest and smallest headlight camera in the industry and is perfect for documenting,

teaching and reviewing surgical procedures. 1/4" Color CCD with a resolution of Standard Definition (640 x 480). Allows for a working distance of 12" to 24"



CUDA Surgical Video Camera



CUDA Surgical Deluxe Headband



CUDA Surgical Elite Sport Headband



Cuda Surgical ELITE300 Headlight/Video System



# .....Surgical Headlight

## .....Specifications

- Newly Designed Lightweight Headband with Rear Cranial Support for added comfort
- Headlight Module with 20mm-110mm Variable Spot @ 16"
- Fused 3.5mm Bifurcated Cable 9' Long with Wolf Lensed Proximal End to optimize light output
- New Molded Joints add Flexibility and the Reinforced Sheathing Protects the Fiber Bundle
- Headband with Module Weight - 4.5 oz
- Headband, Module and Bifurcated Cable Weight - 6.5 oz

## .....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 Wolf Proximal End
- 2 Prepackaged, Sterile, Disposable Joysticks
- 1 Duffel Bag for storage

## .....Headlight Ordering Information

- DRH-110B "RCS" Headlight 110mm Variable Spot Module and Bif Cable
- DRH-110B-SG "RCS" Headlight 110mm Variable Spot Module and SureGrip Bif Cable
- DCH-110B Deluxe Headlight 110mm Variable Spot Module and Bif Cable
- DCH-110B-SG Deluxe Headlight 110mm Variable Spot Module and SureGrip Bif Cable
- SOH-110S Sportband Headlight 110mm Variable Spot Module and Straight Cable
- SOH-110S-SG Sportband Headlight 110mm Variable Spot Module and SureGrip Cable
- SYC-0040 Replacement Foam Comfort Liners (Set of 3)
- SYC-0041 Replacement Rear Cranial Support "RCS"
- SYC0067 Replacement Sterile Joysticks (Set of 10)
- SYC3500B-BLUE Replacement 3.5mm Bifurcated Headlight Cable
- SGC3500B-BLUE Replacement 3.5mm SureGrip Bifurcated Headlight Cable
- SYC3500S-BLUE Replacement 3.5mm Straight Headlight Cable
- SGC3500S-BLUE Replacement 3.5mm SureGrip Straight Headlight Cable

## .....Headlight Camera Ordering Information

- SYC-400FS Cuda Surgical NTSC Headlight Camera System and Floorstand (Domestic)
- SYC-410FS Cuda Surgical PAL Headlight Camera System and Floorstand (International)  
(System Does Not Include Lightsource)

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**CUDA NEURO RCS Headlight**

This NEWLY designed headlight with Rear Cranial Support provides revolutionary comfort and design along with unmatched performance needed for today's neurosurgical procedures. The headlight module has an optimized lens system designed specifically for neurosurgery. This feature along with the 20mm to 80 mm variable spot adjustment will deliver a crisp and center focused light spot that will illuminate the deepest of surgical sites.



CUDA Surgical NEURO headlight

# NEURO Headlights

**CUDA NEURO Headlight**

This Headlight with the Neuro Module offers the same high performance and qualities as mentioned above. The Deluxe style headband with top and rear adjustment provides an economical and lightweight headlight option.



CUDA Surgical NEURO RCS Headband

All of our headlights are provided with Prepackaged, Sterile, Disposable Joysticks.



Cuda Surgical ELITE300  
Headlight System



# Neuro Headlight

## Specifications

- Newly Designed Lightweight Headband with Rear Cranial Support for added comfort
- Neuro Headlight Module with 20mm-80mm Variable Spot at 16"
- Fused 3.5mm SureGrip Bifurcated Cable 9' Long with Wolf Lensed Proximal End to optimize light output
- New Molded Junctions add Flexibility and the Reinforced Sheathing Protects the Fiber Bundle
- Headband with Module Weight - 4.5 oz
- Headband, Module and Bifurcated Cable Weight - 6.5 oz

## System Includes

- 1 Headlight With Rear Cranial Support "RCS"
- 1 20mm-80mm Variable Spot Neuro Module
- 1 3.5mm Bifurcated 9' Long SureGrip Cable with Lensed Wolf Proximal End
- 2 Prepackaged, Sterile, Disposable Sterile Joysticks
- 1 Duffel Bag for storage

## Additional Accessories

- CNR-80B Neuro "RCS" Headlight 80mm Variable Spot Module and Bif cable
- CNR-80B-SG Neuro "RCS" Headlight 80mm Variable Spot Module/SureGrip Bif cable
- CNH-80B Deluxe Headlight 80mm Variable Spot Module and Bif cable
- CNH-80B-SG Deluxe Headlight 80mm Variable Spot Module and SureGrip Bif cable
- SYC-0040 Replacement Foam Comfort Liners (Set of 3)
- SYC-0041 Replacement Rear Cranial Support "RCS"
- SYC0067 Replacement Joysticks (Set of 10)
- SYC3500B-BLUE Replacement 3.5mm Bifurcated Headlight Cable
- SGC3500B-BLUE Replacement 3.5mm SureGrip Bifurcated Headlight Cable
- SYC3500S-BLUE Replacement 3.5mm Straight Headlight Cable
- SGC3500S-BLUE Replacement 3.5mm SureGrip Straight Headlight Cable

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**CUDA Surgical's LED Lightsources**

provide compact, efficient, durable, and economical lighting solutions. Ideal for office use, Surgical Microscopes, ENT, Maxillofacial and Endoscopic procedures. CUDA Surgical's LED Lightsources provide bright, white LED light needed by today's demanding surgical specialties.



CUDA Surgical LLS-1000 Lightsource



CUDA Surgical LLS-2000 Lightsource

# LED Lightsources

**CUDA Surgical's LED LLS-1000 50W Solid State Lightsource**

A compact, efficient, durable source of brilliant "daylight" quality light with a color temperature of 6500° K and a typical LED life of more than 50,000 hours. It features a four-port turret with ports to fit ACMI, Olympus, Storz and Wolf cables.

**CUDA Surgical's LED LLS-2000 Lightsource**

The premium LLS-2000 utilizes a new high efficiency optics design, generating a light output 40% greater than the LLS-1000.

**CUDA Surgical's LED "System" with Portable case**

Use this complete portable LED system for the surgeon on-the-go or as a complete system for today's surgical suite. Contains a fully compatible lightsource, headlight and fiberoptic

cable, giving you a complete surgical lighting kit.

**ROVER III Portable 3W LED Lightsource**

This compact, portable source of brilliant white light is perfect for office or field use with rigid or flexible endoscopes.

Connects directly to endoscope via integral ACMI or Wolf light port.

Delivers brighter, whiter light than conventional "light-handles.



LED Headlight, Lightsource and Cable System



"Rover" portable lighting device



## LED Lightsources

### ... CUDA Surgical LLS-2000 Lightsource - 50W Solid State LED Light

- Compact, efficient, durable "daylight" light
- Premium LLS-2000 utilizes new high efficiency design
- Color temperature: 6500° 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; other ports available
- Accepts 100-240V AC, 50/60 Hz input power for worldwide operation
- Regulatory: UL60601-1, CAN/CSA C22.2 No. 601.1, EN60601-1-2; CE marked
- Dimensions: 4.65" W x 3.32" H X 7.25" D (~10" overall)
- Weight: 2.5 lbs (1.14 kg)

### ... CUDA Surgical Rover III LED Lightsource – 3 Watt Portable LED Light

- Compact, portable source of brilliant white light for office or field use with rigid or flexible endoscopes
- Connects directly to endoscope via integral ACMI or Wolf light port
- Delivers brighter, whiter light than conventional "light-handles"
- Adapters available for Storz / Olympus and Olympus GP scope connections
- Color temperature: 6500°K nominal
- Typical LED life: 50,000 hours nominal
- Uses disposable CR-123 Lithium batteries (included); typical run time 110 minutes
- Rechargeable Lithium-ion batteries with external AC charger also available
- Pushbutton on/off control at end of body
- FDA Class II device, CE marked
- Dimensions: 5.1" (13cm) long; 1.25" (3.2cm) diameter at heatsink
- Weight: 3.7 oz. (105g) including batteries

### ... Ordering Information

- LLS-2000T-K 50w Solid State LED Lightsource with 4-port Turret (High-output)
- LLS-1000T-K 50w Solid State LED Lightsource with 4-port Turret
- LLSP-2000T-K Portable 50w LED System with 80mm Variable Headlight, 5mm Bif Cable and Carrying Case

(For International use replace -K with Plug Type Required)

- LLS-3LBA Rover III Portable LED Light with ACMI Port
- LLS-3LBW Rover III Portable LED Light with WOLF Port
- LLS-3LBA-R Rover III Portable LED Light with ACMI Port, Rechargeable Battery
- LLS-3LBW-R Rover III Portable LED Light with WOLF Port, Rechargeable Battery

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LED Headlight



*Lighting the Future*

**LLS-8000 Battery Powered LED Headlight**

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



LED RCS Headlight

# LED Headlight

**CUDA Surgical LED Headlight**

Prepare to be amazed by the luminescent and feather weight feel of this 10W LED lighting system. When used at full light intensity the battery will last 2 hours 40 minutes, providing you with 34,000 lux of light output to the surgical site.

**LED Headlight Charger**

A compact and highly efficient charger will fully charge an empty fuel cell battery in 3 ½ hours and stop charging once fully charged. Accepts 100-240V AC, 50/60 Hz input for worldwide use.



LLS-8000 Battery Powered LED Headlight



LLS-8000 Battery Charger



# LLS-8000 Portable LED Headlight

## 10w LED Producing Bright, White Light

- Color temperature: 4500°K
- Typical LED life: >50,000 hours
- Newly Designed Lightweight Headband with Rear Cranial Support for added comfort
- Headlight Module with 70mm Fixed Spot at 16"
- Variable Intensity Control: 0 – 34,000 Lux at 16"
- Headband with LED Module Weight – 9 oz
- Battery and Holster Weight – 12 oz
- Battery Life – 2 hrs 40 min @ Full Intensity, 5 hrs 30 min 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 Six (6) Months on Battery

## System Includes

- 1 LED Headlight With Rear Cranial Support "RCS"
- 1 Clip-on Power Pack with rechargeable Battery
- 1 2" Heavyweight Polypropylene Quick Release Belt
- 1 Single Bay Battery Charger
- 2 Garment Clips
- 1 Padded Carrying Bag with Shoulder Strap

## Ordering Information

- LLS-8000 Complete LED Headlight System
- LLS-80CB Replacement Carrying Bag
- LLS-2054 Replacement Battery
- LLS-2054C Replacement Battery Charger
- LLS-2054H Replacement Battery Holster
- SYC-0040 Replacement Comfort Liners (Sets of 3)
- SYC-0041 Replacement Rear Cranial Support "RCS"  
(for International ordering please specify plug required)

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## Lighting the Future

### CUDA Surgical Bifurcated Headlight Cable

**Cable** 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 SureGrip handle, a patented ergonomic design feature that provides added strain-relief, plus durability, and ease of cable removal from the lightsource.



CUDA Surgical Bifurcated Cable with SureGrip<sup>®</sup>

# Fiberoptic Cables

### Cuda Surgical Headlight Cables

Our headlight cables are designed to deliver the maximum light output and performance when used with our Cuda Surgical headlamps. 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.



CUDA Surgical Universal Cables

### 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.



CUDA Surgical Cable Endfittings



CUDA Surgical ReplacementCables



## Endoscopic Cables – Universal / Dedicated

Cuda Surgical fiberoptic cables are designed to deliver maximum light when coupled to a medical grade fiberoptic lightsource. 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 lightsource 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.

**EQ-GY A 50 A 090**

BASIC PART NUMBER

COLOR OF SHEATH

GY --- GRAY  
 BL --- BLUE  
 BK --- BLACK  
 PR --- PURPLE  
 PK --- PINK  
 GL --- GOLD  
 GR --- GREEN  
 CL --- CLEAR  
 RD --- RED  
 GM --- GREY SILICONE/COIL

LIGHTSOURCE END TIP

A --- ACMI MALE  
 AO --- ACMI/OLYMPUS  
 W --- WOLF  
 WX --- EXTENDED WOLF  
 S --- STORZ  
 O --- OLYMPUS  
 P --- PILLING  
 D --- DESIGNS FOR VISION  
 M --- MACHIDA  
 PA --- PENTAX  
 U --- UNIVERSAL

BUNDLE DIAMETER IN TENTHS OF MM SHOWN: 50 = 5.0MM

INSTRUMENT END TIP

F --- ACMI FEMALE  
 FC --- ACMI CLIP ON  
 FS --- ACMI SWIVEL  
 A --- ACMI MALE  
 D --- DESIGNS FOR VISION  
 ORF --- OLYMPUS RETRACTABLE  
 P --- PILLING BAYONET  
 S --- STORZ/OLYMPUS  
 W --- WOLF FEMALE  
 EXW --- WOLF EXTERNAL CLIP  
 SCH --- SCHIELLY  
 U --- UNIVERSAL

LENGTH

LENGTH IN ONE INCH INCREMENTS. SHOWN: 090 = 90"  
 (TO OBTAIN INCHES IF CENTIMETERS IS KNOWN MULTIPLY BY 0.3937)

LENGTH ± 2 ½"

LABEL

BLACK SILICONE STRAIN RELIEVER

SILICONE SHEATH

BLACK SILICONE STRAIN RELIEVER

LIGHTSOURCE END

INSTRUMENT END

55 NUMERAL APERTURE

A ..... ACMI ACMI MALE ..... A

AO ..... ACMI/OLYMPUS ACMI FEMALE SNAP ON ..... F

S ..... STORZ WOLF FEMALE SNAP ON ..... W

W ..... WOLF \*UNIVERSAL INSTRUMENT ..... U

WX ..... EXTENDED WOLF EXTERNAL WOLF CLIP ..... EXW

U ..... UNIVERSAL \* PILLING BAYONET ..... P

P ..... PILLING STORZ/OLYMPUS ..... S

PA ..... PENTAX OLYMPUS RETRACTABLE ..... ORF

O ..... OLYMPUS ACMI FEMALE CLIP ..... FC

M ..... MACHIDA DESIGN FOR VISION ..... D

D ..... DESIGN FOR VISION ACMI FEMALE SWIVEL ..... FS

EQ = \_\_\_\_\_  
 FILL IN THE BLANKS WITH PART NUMBER; SEE SAMPLE BELOW  
 EQ- G Y W X 5 0 E X W 0 9 0  
 DECODE: GRAY SHEATH, EXTENDED WOLF LIGHTSOURCE END, 5MM FIBER BUNDLE, EXTERNAL WOLF CLIP INSTRUMENT END, 90" LONG.

\* UNIVERSAL ENDS REQUIRE ADAPTORS TO FIT STANDARD PORTS OR INSTRUMENTS. THESE MUST BE ORDER SEPARATELY.

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