BRISTOL™
Portable LED Headlight System with Adjustable Spot
BRISTOL™

Brilliant, Lightweight, Comfortable LED with Adjustable Spot

Bristol™ is a portable LED headlight system from BFW™ offering clear, white illumination while integrating our unique 2-button On/Off intensity controller into the battery holster — resulting in an ergonomically compact unit with significantly reduced battery size and weight. With its high-quality anodized aluminum optic, Bristol™ offers a 3-position spot size, along with 5 levels of illumination ranging from 28 hours of operation at 8,000 LUX to 10 hours of operation at 30,000 LUX from a single charge.

* LUX Measured @ 40cm from user’s eye to the field with aperture fully opened
Available with our Classic or Key West™ “Bikini” headbands or clip for ocular loupes

**BRISTOL™ Specifications**
- Spot Size at 40cm: 1”, 2” or 3” (2.5 cm, 5.1 cm, 7.6 cm)
- 2-Button Control in Battery Holster: On/Off,
- 5 Intensity Levels
- Optic Material: Anodized Aluminum
- Optic Weight: 1.2 oz (32 g)
- Battery Weight: 6 oz (170 g)
- Output Voltage: 11.25V
- Battery Capacity: 3.1 Ah, 36 Wh
- Battery Life: > 300 Full Charges
- Optic Weight 1.2 oz/34 g
- Battery Type: Lithium-Ion
- 1-Year Limited Manufacturer’s Warranty
- Tested and Certified to: IEC 60601–1, IEC 60601–1–2, AAMI/ANSI ES60601–1, CSA C22.2 NO 60601–1:08, CE

**LUX / Battery Life**
- Level 1 > 8,000 LUX/28 Hours
- Level 2 > 15,000 LUX/20 Hours
- Level 3 > 20,000 LUX/19 Hours
- Level 4 > 25,000 LUX/13 Hours
- Level 5 > 30,000 LUX/10 Hours

**System Includes**
- Bristol™ Optic on Classic, Key West™ headbands or Clip
- One Battery
- Battery Holster/Control Unit
- Charging Cradle
- Power Supply for Charger
- Linkage Kit

**Product Codes**
- BFW 9040: Bristol System/Classic
- BFW 9044: Bristol System w/ Key West™
- BFW 9042: Bristol System/Clip-On (No Headband)
DOVER™
Portable LED Headlight System

This innovative single spot size LED Portable headlight system offers 5 levels of clear, white illumination ranging from 28 hours of operation at 8,000 LUX to 10 hours of operation at 30,000 LUX from a single charge — unprecedented performance for an LED optic of this class. Dover™ integrates our new 2-button On/Off and intensity controller into the battery holster, resulting in an ergonomically compact unit with significantly reduced battery size and weight. Dover™ is built to withstand the rigor of intense daily use.

* LUX Measured @ 40cm from user’s eye to the field
Available with our Classic or Key West™ “Bikini” headbands or clip for ocular loupes

**Dover™ Specifications**
- Spot Size at 40 cm: 3” (7.6 cm)
- 2-Button Control in Battery Holster: On/Off
- 5 Intensity Levels
- Optic Material: Cycoloy Polymer
- Optic Weight: 0.45 oz (12.7g)
- Battery Weight: 6 oz (170 g)
- Output Voltage: 11.25V
- Battery Capacity: 3.1Ah, 36 Wh
- Battery Life: > 300 Full Charges
- Battery Type: Lithium-Ion
- 1-Year Limited Manufacturer’s Warranty
- Tested and Certified to: IEC 60601–1, IEC 60601–1–2, AAMI/ANSI ES60601–1, CSA C22.2 NO 60601–1:08, CE

**LUX / Battery Life**
- Level 1 > 8,000 LUX/28 Hours
- Level 2 > 15,000 LUX/20 Hours
- Level 3 > 20,000 LUX/19 Hours
- Level 4 > 25,000 LUX/13 Hours
- Level 5 > 30,000 LUX/10 Hours

**System Includes**
- Dover™ Optic on Classic, Key West™ headbands or Clip
- One Battery
- Battery Holster/Control Unit
- Charging Cradle
- Power Supply for Charger
- Linkage Kit

**Product Codes**
- BFW 9030: Dover™ w/ Classic Headband
- BFW 9032: Dover™ w/Clip-On (no Headband)
- BFW 9034: Dover™ w/ Key West™ “Bikini” Headband
MONTAUUK™
High-Intensity Portable LED Headlight System
MONTAUK™

Our Brightest Portable LED

Named after the oldest and brightest lighthouse in America — dubbed a “Life-Saving” tool of its time, our new headlight is engineered to outperform any portable LED system available today with exceptionally bright, cool white, clear illumination and a fully adjustable spot offering output to 60,000 LUX at a 16” (40 cm) working distance. The sophisticated snap-in LED engine will also retrofit any existing BFW™ XtremeBEAM™ Fiber Optic Headlight, transforming it into a powerful, portable LED headlight in a “snap.”

Available with our Classic or the all new Key West™ “Bikini” headband

Montauk™ Specifications
- Color Temperature: Cool White – 6,000°K
- Spot size: 1in. – 4in. diameter (2.5 cm – 10 cm)
- Weight: 5.6 oz (158 g) Optic and Light Engine
- Input: 3.6 V, 20 W Max
- Brightness Control: 4 Levels Plus Turbo
- 1-Year Limited Manufacturer’s Warranty
- Battery Type: Lithium-Ion
- Input: 100-240 VAC, 50-60 Hz
- Output: 24 VDC, 2.5 A
- Weight: 8.75 oz (234 g)
- Output Voltage: 4.4 V
- Capacity: 3.1 Ah, 45 Wh
- Tested and Certified to: IEC 60601–1, IEC 60601–1–2, AAMI/ANSI ES60601–1, CSA C22.2 NO 60601–1:08, CE

LUX / Battery Life
- Level 1: 15,000 LUX/ > 10 hours
- Level 2: 25,000 LUX/ > 6.5 hours
- Level 3: 35,000 LUX/ > 5 hours
- Level 4: 45,000 LUX/ > 3.5 hours
- Turbo: 60,000 LUX/ > 2 hours

System Includes
- XtremeBeam™ Headlight (If Needed)
- Montauk™ LED Light Engine with Controller
- Two Batteries and Holster
- Charging Cradle
- Power Supply for Charger
- Classic or Key West™ Headband
- Linkage Kit

Product Codes
- BFW 9034: Montauk™ Classic
- BFW 9050: Montauk™ Key West™ “Bikini”
- BFW 9060: Montauk™ Retrofit Kit for Existing XtremeBEAM™

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XTREMEBEAM™

Fiber Optic Headlight

Designed for unmatched comfort, unparalleled illumination
Featuring our Ultra-Durable 10-foot Cobra Cable™

Our flagship fiber optic headlight now comes standard with our Cobra Cable™ — a 10-foot fiber optic wonder offering a virtually indestructible internal aluminum coil positioned at the lower half of the cable where it is most likely to sustain damages from heavy use. Our XtremeBEAM™ fiber optic headlight can also be ordered with our regular 7 or 10-foot fiber optic cables.

Available with our Classic or Key West™ “Bikini” headbands

XtremeBEAM™ Specifications

- Clean, Even 4.5-inch Spot Size with Fully Adjustable Iris
- Significantly Reduces Glare
- Durability For the Toughest Conditions
- Custom Fiber Optic Cable with More Than 9,000 Strands
  Delivers an Incredibly High Light Transmission and Affords Usability with up to 30% Damage

Product Codes

- BFW 1500: XtremeBEAM™ Classic w/ 10’ Cobra Cable™
- BFW 1552: XtremeBEAM™ Key West™ “Bikini” w/ 10’ Cobra Cable™
- BFW 1555: XtremeBEAM™ Classic w/ 10’ FOC
- BFW 1557: XtremeBEAM™ Key West™ “Bikini” w/ 10’ FOC
- BFW 1560: XtremeBEAM™ Classic w/ 7’ FOC
- BFW 1562: XtremeBEAM™ Key West™ “Bikini” w/ 7’ FOC

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HATTERAS™
High-Intensity LED Surgical Light Source
HATTERAS™
High-Intensity LED Surgical Light Source
A new beginning in high-intensity surgical illumination.

Tested and cleared for use with headlights and endoscopes, Hatteras™ is designed to perform when failure is not an option. Its robust and ergonomic features make for a powerful and dependable light source that sustains brightness and color levels well beyond 10,000 hours.

Hatteras™ provides a unique standby feature: when a fiber optic cable is removed from the port, illumination stops — eliminating distracting light in the OR. Simply replace the cable in the proper port, press the standby keypad and Hatteras™ instantaneously illuminates. Its custom milled, 4-port stainless steel turret accepts BFW/ACMI, Olympus, Storz and Wolf cables.

Hatteras™ Specifications
- 3 digit LED Brightness Display
- Compatible with new or former BFW Mobile Stand or Stackable with most Endoscopic carts and booms
- Push Button Membrane with Controls for Power, Standby, Intensity, Display Brightness Levels
- 1-year Limited Manufacturer’s Warranty
- Extended Warranty Available
- Input Voltage 100-240 VAC, 50/60 Hz @ 1A

Product Codes
- BFW 1600: Hatteras™ LED Light Source
- BFW 9893: Mobile Stand
- BFW 1500: XtremeBEAM™ w/ Classic - 10’ Cobra Cable™
- BFW 1552: XtremeBEAM™ w/ Key West™ “Bikini” 10’ Cobra Cable™

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Shown with XtremeBEAM™ Fiber Optic Headlight and Mobile Stand
CHROMAPRO™
Compact LED Light Source
CHROMAPRO™
50-Watt LED Light Source

Compact, Clear, White and Bright

A compact solid state LED light source that eliminates bulb changes and decreases intensity less than 15% over its lifetime. ChromaPRO™ offers 6,000°K daylight — white color temperature, a 4-port turret — BFW™/ACMI, Wolf, Olympus and Storz. It is compatible with our XtremeBEAM™ fiber optic headlight and approved for use with fiber optic instrumentation. This little powerhouse uses half the energy to produce twice the output of any halogen light source in its class.

ChromaPRO™ Specifications
- Illumination Output: 60,000 LUX
- Analog Dimmer Controls Output
- Universal Power Supply
- Small Footprint
- Optimizes Light Transmission Through Any Cable
- 2-Year Limited Manufacturer’s Warranty
- Tested and Certified to: CE, IEC 60601-1, UL 60601-1, CSA C22.2 No 601.1, IEC 60601-1-2

Product Codes
- BFW 5500: ChromaPRO™ LED Light Source
- BFW 9886: Mobile Stand for ChromaPRO™
- BFW 1500: XtremeBEAM™ Classic w/ 10′ Cobra Cable™
- BFW 1552: XtremeBEAM™ Key West™ w/ 10′ Cobra Cable™

Shown with XtremeBeam™ fiber optic headlight
COAX™
High-Definition Headlight Imaging System
**COAX™**

High-Definition Headlight Imaging System

BFW™ is the originator of the custom-built, fully coaxial surgical headlight camera capable of 1080i or 720p output and compatible with any HDMI, S-Video, BNC, or Composite monitor or recording device. The ultimate teaching and presentation tool, our CoAX™ system is now available in Widescreen Format.

CoAX™ is the only one of its kind offering a custom built, professional-grade, single-chip camera — mounted in the center of the headlight optic — producing continuous alignment of optic light and the camera with the surgeon’s eye view.

CoAX™ provides unsurpassed headlight imaging with improved depth of focus for live viewing on-site, video streaming for cybercasting, or recording for edited presentation and documentation.

Available with our Classic or Key West™ "Bikini" headbands

**CoAX™ Specifications**
- Available in NTSC and PAL Formats
- Image Sensor: IT ¼" CCD
- Minimum Illumination: 2 LUX (50% Video Level)
- 4x–8x Zoom Magnification
- High-Definition Video Output: 1920 x1080 Interlaced / 1280 x 720 Progressive
- SD Video Output: 2 Composite, 2 S-Video, 1 SDI, 1 Component (YPbPr)
- Iris Control: Automatic or Manual
- Compatible with Most External High-Definition recording devices
- 1-Year Limited Manufacturer’s Warranty

**System Includes**
- BFW™ CoAX™ Headlight Unit with 10′ (Approx 3m) Fiber Optic Cable
- Hatteras™ LED Light Source
- Camera Control Unit
- HDMI, S-Video Cables
- Mobile Stand
- “T” System Includes TEAC™ UR-4MD Digital Recorder

**Product Codes**
- BFW 7950 SYSTEM: CoAX™ System - NTSC
- BFW 7950T SYSTEM: CoAX™ System – NTSC w/ TEAC™ HD Recorder
- BFW 7955 SYSTEM: CoAX™ System - PAL
- BFW 7955T SYSTEM: CoAX™ System – PAL w/ TEAC™ HD Recorder

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Go Ahead, Step On Me!
Introducing the new Cobra COIL™

Fiber Optic Cable for Our XtremeBeam™

- Endoskeletal aluminum coil under the blue sheath protects glass fibers
- Cobra COIL™ is from light source to surgeon’s waist where most damage occurs in cables
- Cable on headlight designed to reduce weight on surgeon’s head ensuring extreme comfort
- Cobra COIL™ technology prevents fiber breakage if stepped on or rolled over with a cart

Available in 10-foot length only, Cobra COIL™ retrofits all existing XtremeBeam™ headlights.

Intelligently bright. Very bright.

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