

LIGHTING SOLUTION GUIDE



For five decades, BFW has been a technological leader in medical and surgical headlight illumination.

Our innovative LED-based product line includes exam and surgical grade portable and tethered headlights and light sources.

All BFW products are backed by customer service and technical support that is second-to-none.

Engineered and assembled in America in collaboration with Long Island Technology Group, our products are built with a symbiotic vision of continuous innovation to meet the ever-changing requirements of a rapidly evolving and demanding profession.

**AUGUST
2022**

SEE BETTER SEE FARTHER SEE WHY



My late father, Leon Cooper, started BFW in 1971, with a clear, singular mission to provide spot on illumination, comfort, and support to dedicated physicians in every field and specialty.

As medical technology evolved over time, so have important innovations with our products. BFW's full line of products now utilize LED technology which is intensely bright and lightweight, with low environmental impact.

Long Island Technology Group, our manufacturing partner since 2014, has proven multiple times they are experts when it comes to the engineering and user-friendly design of medical optical devices.

As we head into our second half-century, I am proud to continue my father's legacy and invite you to try our products to see the difference.



LED LIGHT SOURCE // FIBER OPTIC HEADLIGHT // CAMERA

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SPOT ON

ILLUMINATION

BFW BRINGS YOU PRODUCTS THAT AID IN THE NAVIGATION OF YOUR SURGICAL FIELD. CHOOSE A HEADLIGHT OPTION FROM OUR BROAD RANGE OF PRODUCTS TO BEST SUIT YOUR SPECIFIC NEEDS.

HIGH DEFINITION CAMERA WITH LIGHT SOURCE

PHAROS™ HD **SURGICAL**

HIGH-INTENSITY, FIBER OPTIC HEADLIGHT WITH COAXIAL, HIGH-DEFINITION CAMERA WITH FIXED SPOT, POWERED BY HIGH BRIGHT HATTERAS

- Fixed Spot Diameter: 4" (10.16 cm) at a working distance of 16" (40 cm)
- Color Temperature with High Bright Hatteras: 6,400° K
- Adjustable Depth of Focus: 10" (25 cm) – 24" (61 cm)
- Digital Zoom: up to 16X Magnification
- Wide Angle Lens Adaptor option available
- SDI/HDMI Output
- Digital Image Stabilization Setting
- Manual Brightness Setting Option
- Compatible with most High-Definition or Integrated Operating Room Recording Systems
- Coaxial Headlight Imaging System: The highest quality video and still images will be captured from the surgeon's point of view on both a medical recorder as well as viewed live on the OR monitor.



PHAROS TESTED AND CERTIFIED TO:
IEC 60601-1 Edition 3, IEC 60601-1-2 Edition 4,
ANSI/AAMI ES60601-1 (2005 + C1:09 + A2:10),
CAN/CSA-C22.2 NO (2008), CE



HIGH BRIGHT HATTERAS™ **SURGICAL**

HIGH-INTENSITY LED SURGICAL LIGHT SOURCE

- Illumination Range with AtoN Fiber Optic Headlight
~220,000 LUX at 16" (40 cm)
- Color Temperature: 6,400° K
- Intensity Settings: 10 Levels
- 4 Port Turret accepts: BFW/ACMI, Olympus, Storz, and Wolf Cables
- Unique Standby Feature: when Fiber Optic Cable is Removed from Port, Illumination Stops
- LED Expected Lifespan > 50,000 hours



AtoN HEADLIGHTS,
AND MOBILE STANDS
ARE SOLD SEPARATELY

NEW!

S-MODEL HATTERAS™ **SURGICAL**

HIGH-INTENSITY LED SURGICAL LIGHT SOURCE

- Illumination Range with AtoN Fiber Optic Headlight
~185,000 LUX at 16" (40 cm)
- Color Temperature: 6,400° K
- Intensity Settings: 10 Levels
- 4 Port Turret accepts: BFW/ACMI, Olympus, Storz, and Wolf Cables
- Unique Standby Feature: when Fiber Optic Cable is Removed from Port, Illumination Stops
- LED Expected Lifespan > 50,000 hours



HATTERAS TESTED AND CERTIFIED TO: IEC 60601-1-2 Edition 4,
ANSI/AAMI ES60601-1 (2005 + C1:09 + A2:10), CAN/CSA-C22.2
NO 60601-1- (2008), CE

NEW!**CHROMAPRO™****LED LIGHT SOURCE**

- 50-Watt LED Illumination
- Illumination Range with AtoN Fiber Optic Headlight ~70,000 LUX at 16" (40 cm)
- LED Expected Lifespan > 30,000 hours
- Analog Dimmer Controls Output from 0% to 100%
- Universal Power Supply
- Optimizes Light Transmission through Cable
- Small and Powerful



CHROMAPRO TESTED AND CERTIFIED TO: IEC/EN 60601-1:2006, UL 60601-1:2003, CS C22.2 No. 601.1 1990 (R2005), and IEC 60601-1-2:2007

HEADLIGHT WITH LIGHT SOURCE**AtoN™ SURGICAL**
HIGH-INTENSITY SURGICAL FIBER OPTIC HEADLIGHT WITH ADJUSTABLE SPOT, POWER WITH BFW HIGH BRIGHT HATTERAS, S-MODEL HATTERAS OR CHROMAPRO

- Illumination Ranges at 16" (40 cm):
 - > High Bright Hatteras ~220,000 LUX
 - > S-Model Hatteras ~185,000 LUX
 - > ChromaPRO ~70,000 LUX
- Adjustable Iris Spot Diameter: .5"-4" (1.27 - 10.16 cm) at a working distance of 16" (40 cm)
- Fiber Optic Cables available in 7' and 10' lengths
- Hygienic Optic: Easy to Clean Twist-Off Feature
- Compatibility: ACMI Port
- Optic Weight: 1.5 oz (43.4g)
- Fiji Headband is customizable. Options to add personalization include: name/facility/department (must be selected at time of order) and choice of 8 backing colors.



HATTERAS TESTED AND CERTIFIED TO: IEC 60601-1-2 Edition 4, ANSI/AAMI ES60601-1 (2005 + C1:09 + A2:10), CAN/CSA-C22.2 NO 60601-1- (2008), CE

DAYMARK™ SURGICAL**HIGH-INTENSITY, PORTABLE LED SURGICAL HEADLIGHT WITH ADJUSTABLE SPOT, POWERED BY A 4-CELL BATTERY**

- Illumination Range: ~60,000 LUX at 16" (40 cm) to ~260,000 LUX at 10" (25 cm)
- Adjustable Spot Diameter: 1"-4" (2.5 - 10.16 cm) at a working distance of 16" (40 cm)
- Color Temperature: 5,000 K
- Intensity Settings: 5 Levels
- 4-Cell Battery (System includes 2 batteries)
- Battery Duration at Full Intensity > 5 hours
- Battery Expected Life Span: > 300 Charges
- LED Expected Life Span > 50,000 hours
- Optic Weight: 5 oz (141 g)
- Battery Weight: 8 oz (226 g)

**BRISTOL-PLUS™** SURGICAL**PORTABLE LED SURGICAL HEADLIGHT WITH ADJUSTABLE SPOT, POWERED BY A 3-CELL BATTERY**

- Illumination Range: ~40,000 LUX at 16" (40 cm) to ~132,000 LUX at 10" (25 cm)
- Adjustable Spot Diameter: 1"-3.5" (2.5 - 8.8 cm) at a working distance of 16" (40 cm)
- Color Temperature: 7,000 K
- Intensity Settings: 5 Levels
- 3-Cell Battery (System includes 1 battery)
- Battery Duration at Full Intensity: 10 hours
- Battery Expected Life Span > 300 Charges
- LED Expected Life Span > 50,000 hours
- Optic Weight: 1.2 oz (34 g)
- Battery Weight: 6 oz (170 g)

**DOVER™** SURGICAL & MEDICAL**PORTABLE LED HEADLIGHT WITH FIXED SPOT, POWERED BY A 3-CELL BATTERY**

- Illumination Range: ~30,000 LUX at 16" (40 cm) to ~105,000 LUX at 10" (25 cm)
- Fixed Spot Diameter: 3.5" (8.8 cm) at a working distance of 16" (40 cm)
- Color Temperature: 7,000 K
- Intensity Settings: 5 Levels
- 3-Cell Battery (System includes 1 battery)
- Battery Duration at Full Intensity: 10 hours
- Battery Expected Life Span > 300 Charges
- LED Expected Life Span > 50,000 hours
- Optic Weight: 0.45 oz (12.7 g)
- Battery Weight: 6 oz (170 g)

**DAYMARK TESTED AND CERTIFIED TO:**

IEC 60601-1 Edition 3, IEC 60601-1-2 Edition 4
ANSI/AAMI ES60601-1 (2005 + C1:09 + A2:10),
CAN/CSA-C22.2 NO (2008), CE

BRISTOL-PLUS TESTED AND CERTIFIED TO:

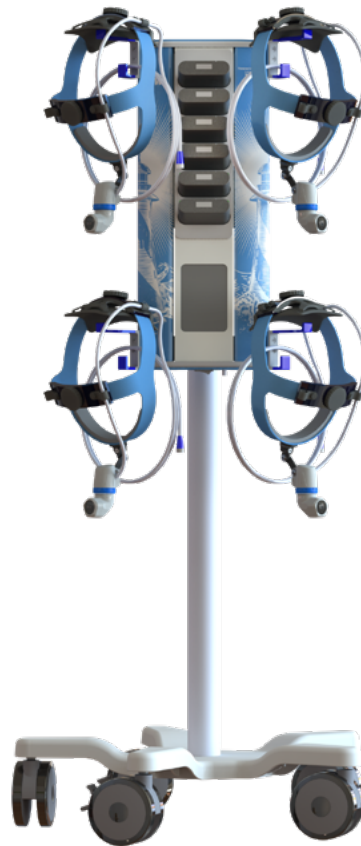
IEC 60601-1 Edition 3, IEC 60601-1-2 Edition 4
ANSI/AAMI ES60601-1 (2005 + C1:09 + A2:10),
CAN/CSA-C22.2 NO (2008), CE

DOVER TESTED AND CERTIFIED TO:

IEC 60601-1 Edition 3, IEC 60601-1-2 Edition 4
ANSI/AAMI ES60601-1 (2005 + C1:09 + A2:10),
CAN/CSA-C22.2 NO (2008), CE



BAYPORT 6-BAY BATTERY CHARGING SOLUTION SHOWN WITH WALL MOUNT RAIL KIT
—BFW 9020 BC6 + BFW 5440 MR—
 (BATTERIES SOLD SEPARATELY)



BAYPORT 6-BAY CHARGING SOLUTION SHOWN WITH MOBILE STAND. CONFIGURED WITH THE TOP AND BOTTOM DUAL HANGER KITS.
—BFW 9020 BC6 + BFW 5440 MS—
—BFW 5440 TDK + BFW 5440 BDK—
 (HEADLIGHTS AND BATTERIES SOLD SEPARATELY)



BAYPORT 6-BAY CHARGING SOLUTION SHOWN WITH THE TABLE STAND KIT
—BFW 9020 BC6 + BFW 5440 TS—
 (BATTERIES SOLD SEPARATELY)

- Conveniently charges up to 6 batteries simultaneously with a single power cord
- **Lightning Fast charges:** BayPort will reach 80% of full power in 1 hour and 100% of full power in 3 hours
- Exclusively charges BFW 3- and 4-cell Lithium-ion batteries
- Make it mobile by mounting to a 5-caster base mobile stand
- Reduce clutter by configuring with the table stand kit
- Save space by mounting to the wall with a rail kit
- Minor assembly required
- Limited Manufacturer warranty applies

PLEASE NOTE • Product specifications may be modified by the manufacturer at any time, descriptions for reference only.
 • Configurations shown combine products and accessories that are sold separately. Consult your BFW specialist for the optimal configuration to suit your needs.

BAYPORT CHARGING SOLUTION TESTED AND CERTIFIED TO:
 IEC 60601-1, IEC 60601-1-2 Edition 4, ANSI/AAMI ES60601-1: A1:2012, C1:2009/(R)2012 and A2:2010/(R)2012, CSA CAN/CSA-C22.2 NO. 60601-1:14, IEC 60601-1-6:2010 (Third Edition) + A1:2013, CE



BAYPORT HEADLIGHT
STORAGE SOLUTION SHOWN
WITH WALL MOUNT RAIL KIT
—BFW 5440 W2 + BFW 5440 MR—
(HEADLIGHTS SOLD SEPARATELY)



BAYPORT STORAGE SOLUTION
WITH FOUR MODULES SHOWN
WITH THE MOBILE STAND KIT
—BFW 5440 W2 + BFW 5440 MS—
(HEADLIGHTS SOLD SEPARATELY)



BAYPORT STORAGE SOLUTION
SHOWN WITH WALL MOUNT RAIL KIT.
CONFIGURED WITH THE TOP AND
BOTTOM DUAL HANGER KITS
—BFW 5440 W2 + BFW 5440 MR—
—BFW 5440 TDK + BFW 5440 BDK—
(HEADLIGHTS SOLD SEPARATELY)

- Conveniently stores up to 4 headlights at a time with the space saving wall mount configuration
- When configured with the Mobile Stand each module will provide storage for 2 Headlights.
A maximum of 8 Headlights can be stored on a single Mobile Stand using 4 storage modules.
- When configured with a Table Stand Kit, storage will be provided for up to 2 Headlights
- Designed to store AtoN, Pharos, Dover, Bristol-Plus and Daymark
- Hook design will hold Headlight, Cable and Holster
- Organizational space to store Fiji Sweatband 10 pack (BFW 1002 P)
- Minor assembly required
- Limited Manufacturer warranty applies

PLEASE NOTE • Product specifications may be modified by the manufacturer at any time, descriptions for reference only.
• Configurations shown combine products and accessories that are sold separately. Consult your BFW specialist for the optimal configuration to suit your needs.

BAYPORT STORAGE SOLUTION TESTED AND CERTIFIED TO: CE

LIGHTING THE WAY



	DISCIPLINE	BRIGHT	BRIGHTER	BRIGHTEST
HOSPITAL	ENT	Dover	Bristol-Plus	ChromaPRO
	GENERAL SURGERY	Dover	Bristol-Plus	ChromaPRO
	CARDIOSURGERY	Bristol-Plus	Daymark	Hatteras/AtoN/Pharos
	NEUROSURGERY	Bristol-Plus	Daymark	Hatteras/AtoN/Pharos
	ORTHOPEDIC SURGERY	Bristol-Plus	Daymark	Hatteras/AtoN/Pharos
	PEDIATRIC SURGERY	Bristol-Plus	Daymark	Hatteras/AtoN/Pharos
	SPINE SURGERY	Bristol-Plus	Daymark	Hatteras/AtoN/Pharos
	THORACIC SURGERY	Bristol-Plus	Daymark	Hatteras/AtoN/Pharos
	TRANSPLANT SURGERY	Bristol-Plus	Daymark	Hatteras/AtoN/Pharos
	VASCULAR SURGERY	Bristol-Plus	Daymark	Hatteras/AtoN/Pharos
SURGERY CENTER	ORTHOPEDIC SURGERY	Bristol-Plus	Daymark	Hatteras/AtoN/Pharos
	PLASTIC SURGERY	Dover	Bristol-Plus	ChromaPRO
OFFICE	DENTAL	Dover	Bristol-Plus	ChromaPRO
	EXAM	Dover	Bristol-Plus	ChromaPRO
	ORAL/MAXILLOFACIAL	Dover	Bristol-Plus	ChromaPRO

BATTERY POWERED

LIGHT SOURCE POWERED

BFW HEADLIGHT & CAMERA PRODUCT SYSTEMS

PHAROS HD SYSTEM

- Pharos HD Headlight/Camera Unit
- Camera Control Unit
- High Bright Hatteras LED Light Source
- 10' Fiber Optic Cable, HDMI and 3G-SDI Video Cables
- Mobile Stand
- MediCapture MVR Pro video recorder option available

FIBER OPTIC SYSTEM

- Powered by a choice of: High Bright Hatteras, S-Model Hatteras or ChromaPRO
- AtoN High-Intensity Headlight
- Choice of: Fiji or Key West Headband
- Choice of: 10' Cobra Cable, 10' Cable, 7' Cable
- Mobile Stand
- Storage Backpack Included

BFW CARRYING CASE

A protective carrying case with shoulder strap is available as an accessory. The spacious interior accommodates AtoN as well as all portable headlight systems.



DAYMARK PORTABLE HEADLIGHT SYSTEM

- Daymark High-Intensity Surgical Headlight
- Choice of: Fiji or Key West Headband
- Two 4-Cell Batteries, Charging Cradle, Power Supply
- Holster, Linkage Kit
- Storage Backpack Included

BRISTOL-PLUS PORTABLE HEADLIGHT SYSTEM

- Bristol-Plus Medium-Intensity Surgical Headlight
- Choice of: Fiji or Key West Headband, or Optic Clip
- One 3-Cell Batteries, Charging Cradle, Power Supply
- Holster, Linkage Kit
- Storage Backpack Included

DOVER PORTABLE HEADLIGHT SYSTEM

- Dover Medium-Intensity Exam Headlight
- Choice of: Fiji or Key West Headband, or Optic Clip
- One 3-Cell Batteries, Charging Cradle, Power Supply
- Holster, Linkage Kit
- Storage Backpack Included

PRODUCT CODES



PHAROS HD — HEADLIGHT HD IMAGING SYSTEM POWERED BY HATTERAS | PG 2

BFW 8010HB	Pharos Imaging System with High Bright Hatteras
BFW 8010BHB	Pharos Imaging System with High Bright Hatteras, excludes Mobile Stand
BFW 8010A	Pharos Camera and Control Unit Only

HATTERAS — LED LIGHT SOURCES | PGS 3 + 4

BFW 1600B	High Bright Hatteras Light Source
BFW 1600S	S-Model Hatteras Light Source
BFW 5500	ChromaPRO 50-Watt LED Light Source
BFW 9893	Hatteras Mobile Stand Accessory

AtoN — HEADLIGHT POWERED BY HATTERAS | PG 4

BFW 1200	AtoN Headlight with Fiji Headband and 10' Cobra Coil Fiber Optic Cable
BFW 1252	AtoN Headlight with Key West Headband and 10' Cobra Coil Fiber Optic Cable
BFW 1255	AtoN Headlight with Fiji Headband and 10' Standard Fiber Optic Cable
BFW 1257	AtoN Headlight with Key West Headband and 10' Standard Fiber Optic Cable
BFW 1260	AtoN Headlight with Fiji Headband and 7' Standard Fiber Optic Cable
BFW 1262	AtoN Headlight with Key West Headband and 7' Standard Fiber Optic Cable

DAYMARK — SURGICAL: HIGH INTENSITY POWERED BY 4-CELL BATTERY | PG 5

BFW 9070	Daymark Headlight System with Fiji Headband
BFW 9074	Daymark Headlight System with Key West Headband

BRISTOL-PLUS — SURGICAL: MEDIUM INTENSITY POWERED BY 3-CELL BATTERY | PG 5

BFW 9040P	Bristol-Plus Headlight System with Fiji Headband
BFW 9040PB	Bristol-Plus Headlight System with Fiji Headband and Two 3-Cell Batteries
BFW 9042P	Bristol-Plus Headlight System with Optic Clip
BFW 9042PB	Bristol-Plus Headlight System with Optic Clip and Two 3-Cell Batteries
BFW 9044P	Bristol-Plus Headlight System with Key West Headband
BFW 9044PB	Bristol-Plus Headlight System with Key West and Two 3-Cell Batteries

DOVER — EXAM: MEDIUM INTENSITY POWERED BY 3-CELL BATTERY | PG 5

BFW 9030	Dover Headlight System with Fiji Headband
BFW 9030B	Dover Headlight System with Fiji Headband and Two 3-Cell Batteries
BFW 9032	Dover Headlight System with Optic Clip
BFW 9032B	Dover Headlight System with Optic Clip and Two 3-Cell Batteries
BFW 9034	Dover Headlight System with Key West Headband
BFW 9034B	Dover Headlight System with Key West and Two 3-Cell Batteries

BAYPORT — 6-BAY BATTERY CHARGING SOLUTION | PG 6

BFW 9020BC6	Charges up to 6 BFW 3-cell and 4-cell Lithium-ion batteries, exclusively
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BAYPORT — HEADLIGHT STORAGE SOLUTION | PG 7

BFW 5440W2	Stores BFW Headlights, includes 2 center-mounted hooks
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BAYPORT — ACCESSORIES EXCLUSIVE TO BAYPORT | PGS 6-7

BFW 5440MR	BayPort Wall Mount Rail Kit
BFW 5440TS	BayPort Table Stand Kit
BFW 5440TDK	BayPort Top Dual Hanger Kit
BFW 5440BDK	BayPort Bottom Dual Hanger Kit
BFW 5440MS	BayPort Mobile Stand for Four Modules
BFW 9893BP	BayPort Mobile Stand for Single Module
BFW 9893PS	BayPort Mobile Stand Power Strip

PLEASE NOTE: Product specifications may be modified by the manufacturer at any time, descriptions for reference only.

BFW BY DESIGN

BETTER | FARTHER | WHY

WE INVITE YOU TO EXPLORE ALL OF
THE MANY FEATURES WE INCORPORATE
INTO THE BFW PRODUCT LINE



COAXIAL
ALIGNMENT



FIBER OPTIC
CABLES



LED EXPECTED
LIFESPAN IS
50,000 HOURS



ERGONOMIC
COMFORT & FIT



COMPATIBLE
WITH OTHER LIGHT
SOURCE BRANDS



HYGIENIC
DESIGN



TESTED & CLEARED



BATTERY
POWERED



BRIGHT, BRIGHTER,
BRIGHTEST



MANUFACTURER'S
WARRANTY



BRISTOL-PLUS HEADLIGHT
POWERED BY A 3-CELL BATTERY
SHOWN WITH A FIJI HEADBAND

“VERY BRIGHT AND ERGONOMIC, YOU DON'T REALIZE
YOU HAVE A HEADLIGHT ON. I NOTICED THE HIGHER
INTENSITY... I THINK I WILL NEVER CHANGE TO ANOTHER
BRAND. BEST ON THE MARKET!”

CARLOS PRIOS, MD
INSTITUTO MEXICANO DEL SEGURO SOCIAL
TIJUANA, MEXICO

SEE BETTER | SEE FARTHER | SEE WHY

Questions?

PLEASE CONTACT US:
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TECHNICAL SUPPORT IS STANDING BY
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Long Island
Technology
Group



PHAROS HD CAMERA,
POWERED BY THE HIGH BRIGHT
HATTERAS LIGHT SOURCE,
SHOWN WITH FIJI HEADBAND

BRIGTH, BRIGHTER, BRIGHTEST