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.
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

PHAROS HD | HEADLIGHT HD IMAGING SYSTEM POWERED BY HIGH BRIGHT HATTERAS | PG 02
HIGH BRIGHT & S-MODEL HATTERAS | LED LIGHT SOURCES | PG 03
ChromaPRO | LED LIGHT SOURCE | PG 04
AtoN | FIBER OPTIC HEADLIGHT POWERED BY HATTERAS SYSTEM OR CHROMAPRO | PG 04

BATTERY-POWERED LED HEADLIGHTS

DAYMARK | SURGICAL: HIGH INTENSITY | PG 05
BRISTOL-PLUS | SURGICAL: MEDIUM INTENSITY | PG 05
DOVER | EXAM: MEDIUM INTENSITY | PG 05

BAYPORT BATTERY CHARGING SOLUTIONS & HEADLIGHT STORAGE

BAYPORT BATTERY CHARGING | POWER UP BATTERIES WITH A VARIETY OF CONFIGURATIONS | PG 06
BAYPORT HEADLIGHT STORAGE | CONVENIENTLY STORE HEADLIGHTS | PG 07

LIGHTING GUIDE // PRODUCT SYSTEMS // PRODUCT CODES

LIGHTING GUIDE | FIND THE RIGHT LIGHT BY DISCIPLINE | PG 08
PRODUCT SYSTEMS | EXPLORE THE BFW SYSTEMS TO SUIT YOUR NEEDS | PG 08
PRODUCT CODES | REFERENCE GUIDE TO THE BFW PRODUCT LINE | PG 09
BY DESIGN | EXPLORE THE PRODUCT LINE FEATURES | PG 10
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.

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:
HIGH BRIGHT HATTERAS™
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

NEW!
S-MODEL HATTERAS™
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 ~220,000 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


LED 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.

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)
• 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.
• 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  • Product specifications may be modified by the manufacturer at any time, descriptions for reference only.
NOTE   • 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
<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>BRIGHT</th>
<th>BRIGHTER</th>
<th>BRIGHTEST</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOSPITAL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENT</td>
<td>Dover</td>
<td>Bristol-Plus</td>
<td>ChromaPRO</td>
</tr>
<tr>
<td>GENERAL SURGERY</td>
<td>Dover</td>
<td>Bristol-Plus</td>
<td>ChromaPRO</td>
</tr>
<tr>
<td>CARDIOSURGERY</td>
<td>Bristol-Plus</td>
<td>Daymark</td>
<td>Hatteras/AtoN/Pharos</td>
</tr>
<tr>
<td>NEUROSURGERY</td>
<td>Bristol-Plus</td>
<td>Daymark</td>
<td>Hatteras/AtoN/Pharos</td>
</tr>
<tr>
<td>ORTHOPEDIC SURGERY</td>
<td>Bristol-Plus</td>
<td>Daymark</td>
<td>Hatteras/AtoN/Pharos</td>
</tr>
<tr>
<td>PEDIATRIC SURGERY</td>
<td>Bristol-Plus</td>
<td>Daymark</td>
<td>Hatteras/AtoN/Pharos</td>
</tr>
<tr>
<td>SPINE SURGERY</td>
<td>Bristol-Plus</td>
<td>Daymark</td>
<td>Hatteras/AtoN/Pharos</td>
</tr>
<tr>
<td>THORACIC SURGERY</td>
<td>Bristol-Plus</td>
<td>Daymark</td>
<td>Hatteras/AtoN/Pharos</td>
</tr>
<tr>
<td>TRANSPLANT SURGERY</td>
<td>Bristol-Plus</td>
<td>Daymark</td>
<td>Hatteras/AtoN/Pharos</td>
</tr>
<tr>
<td>VASCULAR SURGERY</td>
<td>Bristol-Plus</td>
<td>Daymark</td>
<td>Hatteras/AtoN/Pharos</td>
</tr>
<tr>
<td>SURGERY CENTER</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ORTHOPEDIC SURGERY</td>
<td>Bristol-Plus</td>
<td>Daymark</td>
<td>Hatteras/AtoN/Pharos</td>
</tr>
<tr>
<td>PLASTIC SURGERY</td>
<td>Dover</td>
<td>Bristol-Plus</td>
<td>ChromaPRO</td>
</tr>
<tr>
<td>OFFICE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DENTAL</td>
<td>Dover</td>
<td>Bristol-Plus</td>
<td>ChromaPRO</td>
</tr>
<tr>
<td>EXAM</td>
<td>Dover</td>
<td>Bristol-Plus</td>
<td>ChromaPRO</td>
</tr>
<tr>
<td>ORAL/MAXILLOFACIAL</td>
<td>Dover</td>
<td>Bristol-Plus</td>
<td>ChromaPRO</td>
</tr>
</tbody>
</table>

**BFW HEADLIGHT & CAMERA PRODUCT SYSTEMS**

**PHAROS HD SYSTEM**
- Pharos HD Headlight/Camera Unit
- Camera Control Unit
- Hight 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

#### BAYPORT —— HEADLIGHT STORAGE SOLUTION | PG 7
- **BFW 5440W2**  Stores BFW Headlights, includes 2 center-mounted hooks

#### 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

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

HYGIENIC DESIGN

BATTERY POWERED

COMPATIBLE WITH OTHER LIGHT SOURCE BRANDS

TESTED & CLEARED

BRIGHT, BRIGHTER, BRIGHTEST

MANUFACTURER’S WARRANTY

“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
Questions?

Please contact us:
info@bfwin.com
or visit bfwin.com
+1-502-899-1808

Technical support is standing by
Elliott Lasher | Product Manager,
Surgical Lighting & Imaging Systems
elliott@bfwin.com
+1-502-899-1808: Ext 100 (Office)

Bright, brighter, brightest
See better | See farther | See why

Pharos HD camera,
Powered by the High Bright Hatteras light source,
shown with Fiji headband