Product Overview

BERCHTOLD have combined their innovative and proven reflector technology with the latest LED technology to produce the CHROMOPHARE® F-Generation Surgical Lights. This revolutionary combination has resulted in producing a glare-free surgical light where color-cast shadows in the surgical field are reduced to a minimum. This latest BERCHTOLD surgical light can produce a light intensity of up to 160,000 Lux using energy saving long life LED modules which have a lifetime of approximately 40,000 hours.

The F-Generation surgical lights can be used in many combinations to offer the optimum solution for individual requirements. The lights are available in ceiling, wall and even mobile configurations.

Optional extras include the wireless HD ChromoVision camera systems, wall control, and monitors.

The Berchtold LED F Generation surgical light combines innovative features, inspired by the best technology, to provide superior light quality for your surgical team. And with so many options to customize, configure, and control your light, you can now enhance the OR experience like never before.

The Precision Beam Technology™ design focuses 650 beams of overlapping light into one homogenous column, creating ideal depth of field and superior shadow prevention. The light head boasts four color temperature settings and a full 360° of rotation, giving surgical teams an unprecedented level of control at every step.

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Note: The technical data given in this publication is for general information and is subject to change without notice. Actual configuration on the unit may vary. Contact our sales representatives for a complete list of details.
Features

- Excellent light quality thanks to the innovative hybrid light technology ensure concentrated working.
- Four different color temperatures can be chosen via Color Select as needed.
- The LEDs of the newest generation save energy and produce almost no heat.
- OR lights can be combined with each other in any way and with camera system and monitors. They can be attached to the ceiling or wall. Mobile lights are also available as an option.
- An average LED lifetime of 40,000 hours provides reliability and investment security.
- A handle that can be sterilized and the rail that goes around the light let you position the light head with ease.
- Unrestricted rotation of the light head around its own axis ensures more freedom of movement.
- Quick, convenient and intuitive light settings for efficient workflows in the OR.
- ChromoVision® cameras offer multimedia and interactive communication in the OR.

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Specifications

**F 628 Lighthead**

Light Head
Diameter: 75 cm (29.5 inches)
Light Intensity: 160,000 Lux
Brightness
Controls: 10-100%
Lightfield Diameter: 16-29 cm
Depth of Illumination (L1+L2): 80-120 cm
Color Rendering Index (Ra): 96
Color Temperature (Standard): 4,500 K
Color Select: 3,600-5000 K
Lights: 108 LEDs
Ø LED Service Life: 40,000 h
Total Radiant Power at Max. Light Intensity: 594 W/m²
Power Consumption Light Head: 80 W 24-28 V DC
Electricity: 100/120/127 V(AC); 220/230/240 V(AC)
Radiant Energy: 3.7 mW/m² Lux
SWKI Degree of Protection (Laminar Flow): Class 5
Mounting Options: Ceiling, Wall, mobile
Certificates: CE, UL

**F 528 Lighthead**

Light Head
Diameter: 65 cm (25.6 inches)
Light Intensity: 125,000 Lux
Brightness
Controls: 10-100%
Lightfield Diameter: 19-30 cm
Depth of Illumination (L1+L2): 90-150 cm
Color Rendering Index (Ra): 96
Color Temperature (Standard): 4,500 K
Color Select: 3,600-5,000 K
Lights: 88 LEDs
Ø LED Service Life: 40,000 h
Total Radiant Power at Max. Light Intensity: 460 W/m²
Power Consumption Light Head: 65 W 24-28 V DC
Electricity: 100/120/127 V(AC); 220/230/240 V(AC)
Radiant Energy: 3.7 mW/m² Lux
SWKI Degree of Protection (Laminar Flow): Class 5
Mounting Options: Ceiling, Wall, Mobile
Certificates: CE, UL

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