Examination light with LED technology

CHROMOPHARE® F 300
For treatment and examination, the CHROMOPHARE® F 300 provides an allround solution for all emergency room, anaesthetic room and most other investigative clinical environments.

**Optimal lighting**
The F 300 employs highly developed optics, based on the principle of total internal reflection with an integrated Fresnel structure. This optimally directed light provides the user with a large homogenous 16 cm diameter field of light, with an excellent depth of illumination. Absence of shadows, reflections and glare ensure safe working.

**Ideal colour reproduction**
With a colour temperature of 4,500 K, the CHROMOPHARE® F 300 provides ‘natural white’ light. This is both comfortable to the eye of the surgeon and allows best tissue definition.

**Efficiency and power consumption**
Use of the latest generation 30 watt high performance LEDs achieves high light output with minimum power requirement. Together with lifetime of at least 30,000 hours the F 300 significantly reduces running costs.
Highest standard of design and functionality

Alignment of the CHROMOPHARE® F 300 is precise, easy and reliable. Smooth moving, long-reach arms combined with 270° rotation ensure that light is available from the head, to the foot of a patient bed. A user-friendly ‘grab rail’ surrounding the light and a removable sterilisable handle allow positioning whether performing a sterile procedure or acting as assistant.

Wall mount
Ideal for laboratories and examination rooms with low ceilings: F 300 with single or double arm.

Ceiling mounting
Ideal for emergency treatment or examination rooms: F 300 with single or double arm.

Mobile lamps
Ideal for independent use in any room.
**Intuitive and reliable**

**Control panel:**
A wipe clean finger touch panel provides power ON/OFF and five levels of brightness control.

**User-friendly maintenance**
The F 300 uses smooth seamless surfaces for easy cleaning in the clinical environment. Carefully selected and validated materials ensure long-term durability and low maintenance.
Technical data

<table>
<thead>
<tr>
<th>Technical data</th>
<th>F 300</th>
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<tbody>
<tr>
<td>Light head diameter</td>
<td>33 cm</td>
</tr>
<tr>
<td>Illumination intensity</td>
<td>55,000 lx</td>
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<tr>
<td>Intensity control</td>
<td>5 levels, 20-100%</td>
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<tr>
<td>Light field diameter</td>
<td>16 cm</td>
</tr>
<tr>
<td>Depth of illumination L1+L2 (as per IEC 601-2-41/2)</td>
<td>&gt; 130 cm</td>
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<tr>
<td>Colour rendering index</td>
<td>96</td>
</tr>
<tr>
<td>Colour temperature</td>
<td>4,500 K</td>
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<tr>
<td>Lights</td>
<td>7 LEDs</td>
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<tr>
<td>LED service life</td>
<td>30,000 hrs</td>
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<tr>
<td>Total radiation power at max. intensity</td>
<td>170 W/m²</td>
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</tbody>
</table>

All light technical data max +/- 10% tolerance.
For nearly 90 years, BERCHTOLD has been a specialist in equipping surgical theatres. We offer best-in-class products, global experience in planning and project management, and individual service. Our products and services include:

- CHROMOPHARE® surgical and examination lights
- ChromoVision® video and camera systems
- ChromoView™ monitor arms
- OPERON® surgical tables and accessories
- ORICS® telemedicine
- SUPERSUITE® all-round, customised OR solutions
- TELETOM® ceiling pendants
- 3D-OR™ Design-Software
- Development, consulting, project management
- Service and installation by the best-trained specialists

We look forward to hearing from you and helping you plan, design and install your next surgical environment.