



Examination light
with LED technology

CHROMOPHARE® F 300

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Light at the right time, in the right place



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

Optimal lighting

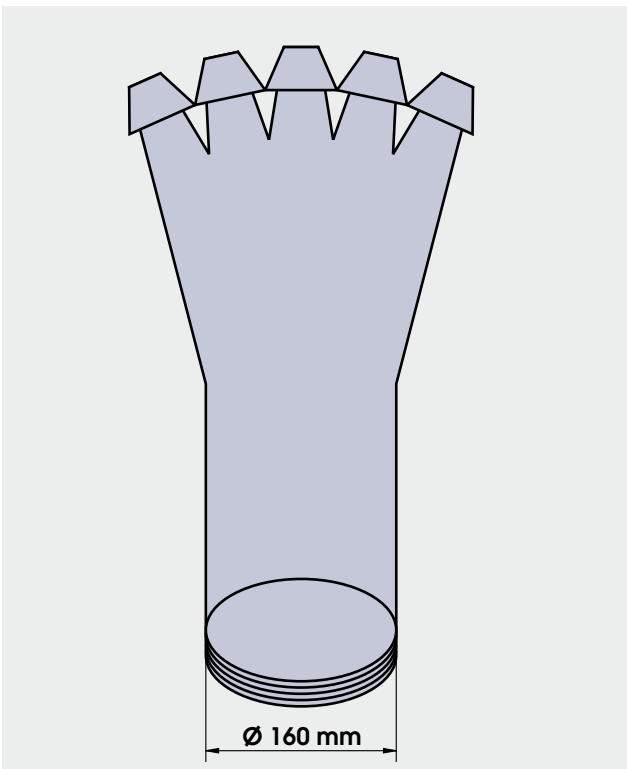
The F 300 employs highly developed optics, based on the principle of total internal reflection with an integrated Fresnel structure. This optimally directed light provides the user with a large homogenous 16 cm diameter field of light, with an excellent depth of illumination. Absence of shadows, reflections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

Ideal colour reproduction

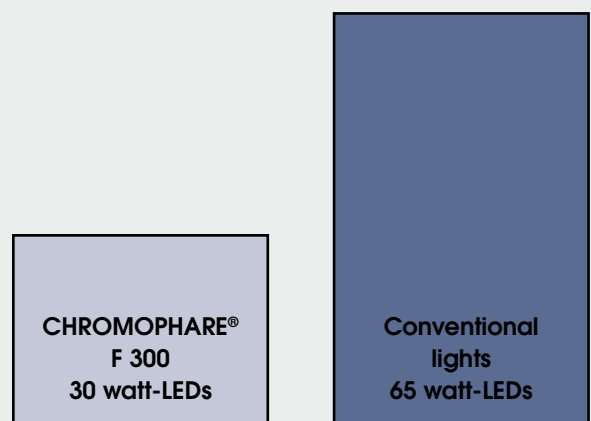
With a colour temperature of 4,500 K, the CHROMOPHARE® F 300 provides 'natural white' light. This is both comfortable to the eye of the surgeon and allows best tissue definition.

Efficiency and power consumption

Use of the latest generation 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.



Power consumption



CHROMOPHARE® F 300

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 one or two moving arms.



Ceiling mounting

Ideal for emergency treatment or examination rooms: F 300 with one or two moving arms.



Mobile lamps

Ideal for independent use in any room.

CHROMOPHARE® F 300

Intuitive and reliable

Control panel:

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



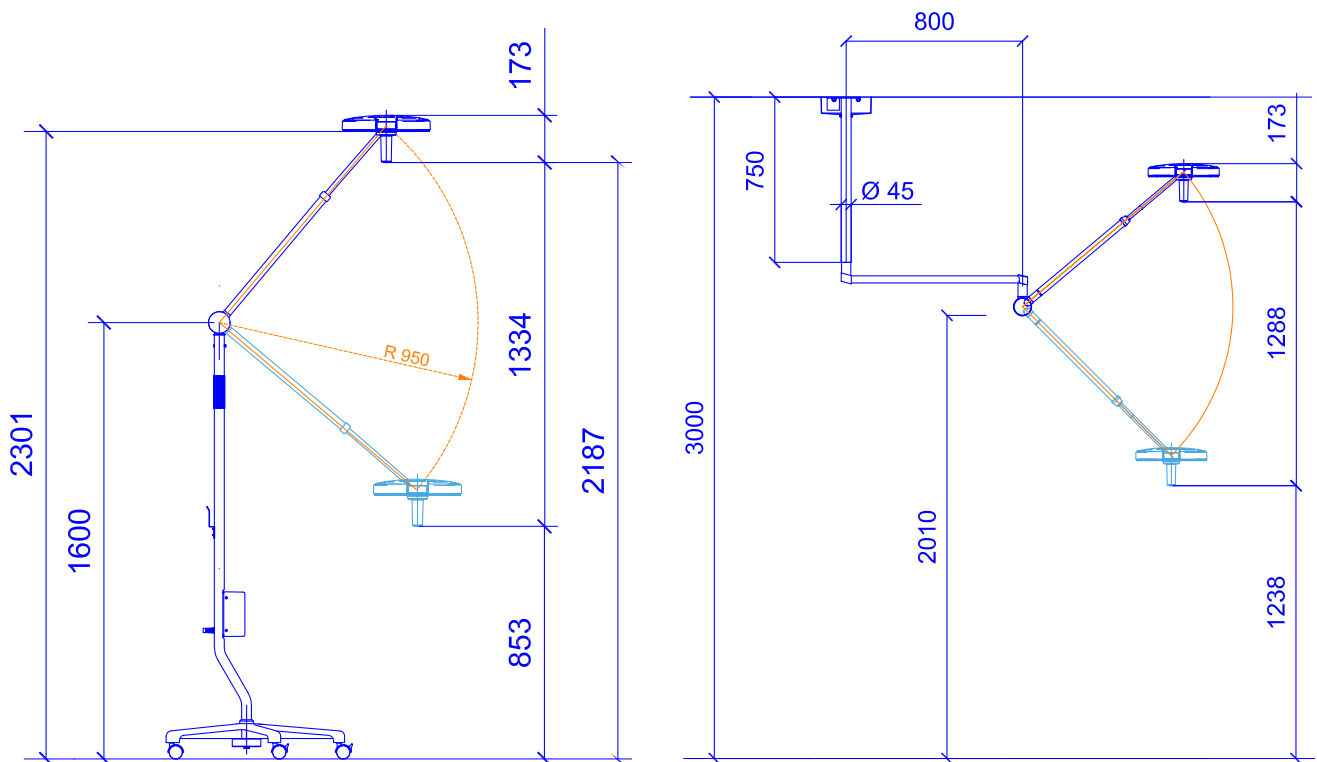
User-friendly maintenance

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.



CHROMOPHARE® F 300

Technical data



| Technical data | F 300 |
|---|----------------------|
| Light head diameter | 33 cm |
| Illumination intensity | 55,000 lux |
| Intensity control | 5 levels, 20-100% |
| Light field diameter | 16 cm |
| Depth of illumination L1+L2 (as per IEC 601-2-41/2) | > 130 cm |
| Colour rendering index | 96 Ra |
| Colour temperature | 4,500 K |
| Lights | 7 LEDs |
| LED service life | 30,000 hrs |
| Total radiation power at max. intensity | 180 W/m ² |

All light technical data max +/- 10% tolerance.

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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.



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