
OL - 600

LED Operating Light

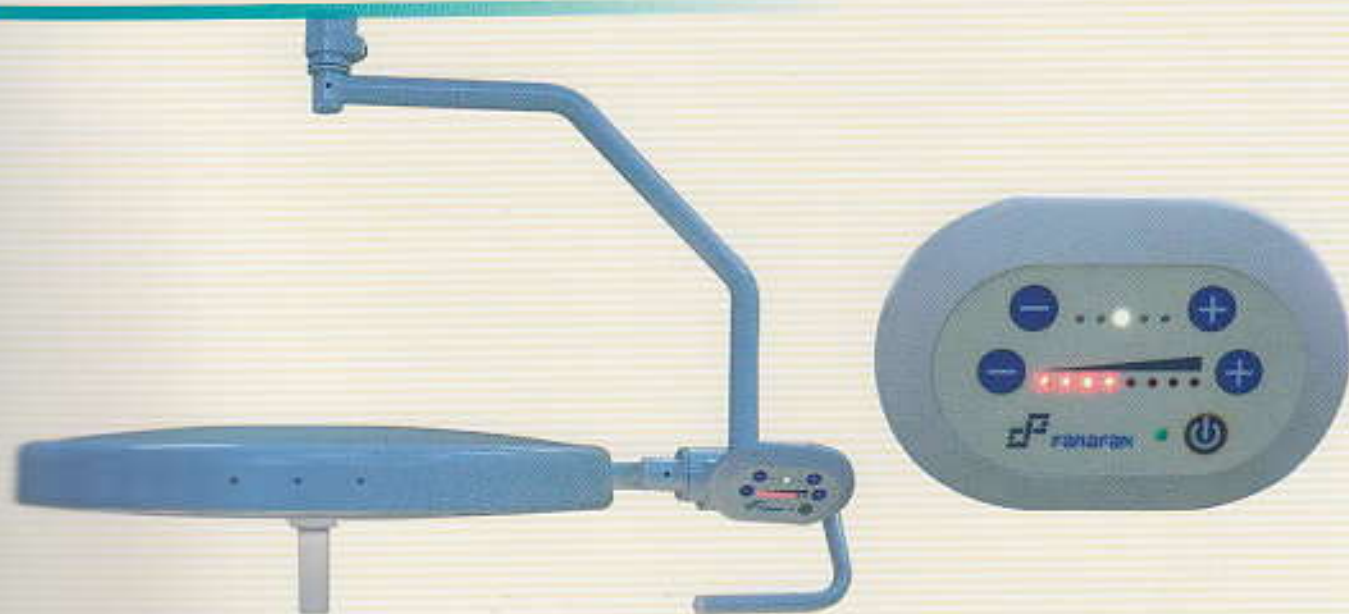


 **FARAFAN**

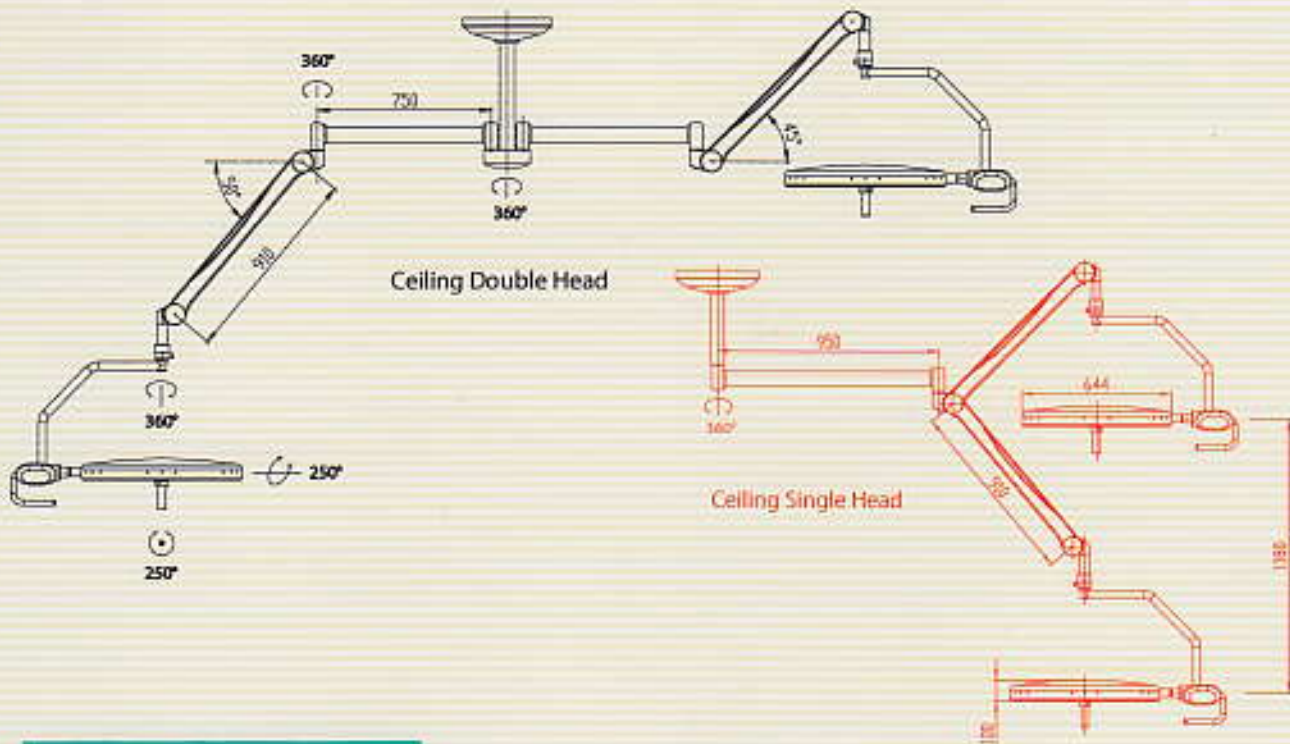
Features:

- Slim, compact, and powerful light head enables smooth, fast and precise positioning, while providing 160,000 Lux of output.
- High quality LEDs from reputable manufacturer provides numerous advantages.
- The emission spectrum of the LEDs are almost entirely within the visible region, so there are no harmful ultraviolet or infrared emissions.
- With negligible infrared emissions, the light source is inherently cold, eliminating the danger of tissue dehydration during surgery.
- LEDs used in this light are safe and reliable with an expected life of 50,000 hours. Long LED life provides a drastic reduction in maintenance costs and down time.
- Higher efficiency of LEDs results in reduced power consumption and less heat generation.
- A high Color Rendering Index of 93 makes a realistic reproduction of tissue color. The color temperature of the light remains constant regardless of the setting of luminous intensity.
- Two groups of LEDs with different color temperatures make it possible for the surgeon to adjust the color in 5 stages.
- Innovative, state of the art catadioptric reflectors provide exceptional light beam concentration in spite of compactness.
- High efficiency reflectors make it possible to reach 160,000 Lux of output with only 30 LEDs, thus reducing power consumption and minimizing heat generation.
- Advanced reflector design guides the light only to the operation area in an ultra narrow beam, thus minimizing the stray light so there is no strain on surgeon's eyes.
- Up-to-date electronic design ensures efficient activation of the LEDs and easy adjustment of both the output intensity and color temperature.
- Generously sized head contains 6 central and 6 peripheral modules, all of which are mechanically focused by rotating the sterilizable handle, providing excellent shadowless operation, depth of field and light penetration into cavities.





- Robust mechanical design and construction ensures reliable operation and minimal maintenance.
- Aluminum dome provides maximum heat dissipation, thus prolonging LED life even further.
- Light head is mounted on multi-movement arm mechanisms capable of positioning the light head within an exceptionally large envelope of movement. The arm mechanism has 7 axes of rotation to allow easy positioning of light beam from any angle.



Technical Specifications:

Light Intensity at 1m distance (Ec)	: 160 Klux
Intensity Adjustment	: 5% to 100% in 8 steps
Color Temperature	: 3500 to 4200 °K, 5 steps adjustable
Color Rendering Index (CRI)	: 93
No. of LEDs	: 30
Focus	: Mechanically adjustable by handle
Light Field Diameter	: 120 to 300 mm
Depth of Illumination (L1+L2)	: 470 mm
Total Radiated Energy (Ee)	: 420 W/m ²
Ratio Between Radiated Energy and Illuminance	: 2.62 mW/m ² Lx
Remaning Illuminance with One Mask	: 84 Klux (55%)
Remaning Illuminance with Two Masks	: 63 Klux (39%)
Remaning Illuminance with Tube	: 130 Klux (81%)
Remaning Illuminance with One Mask and Tube	: 66 Klux (41%)
Remaning Illuminance with Two Masks and Tube	: 52 Klux (33%)
Average LED life	: 50'000 Hours
Light Head Diameter	: 640 mm
Power	: 220 V, 50 Hz
Power consumption	: 135 W
Protection Class	: IP 32
CE marking	: Yes



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FDA(cGMP)



ISO 9001
 ISO 13485