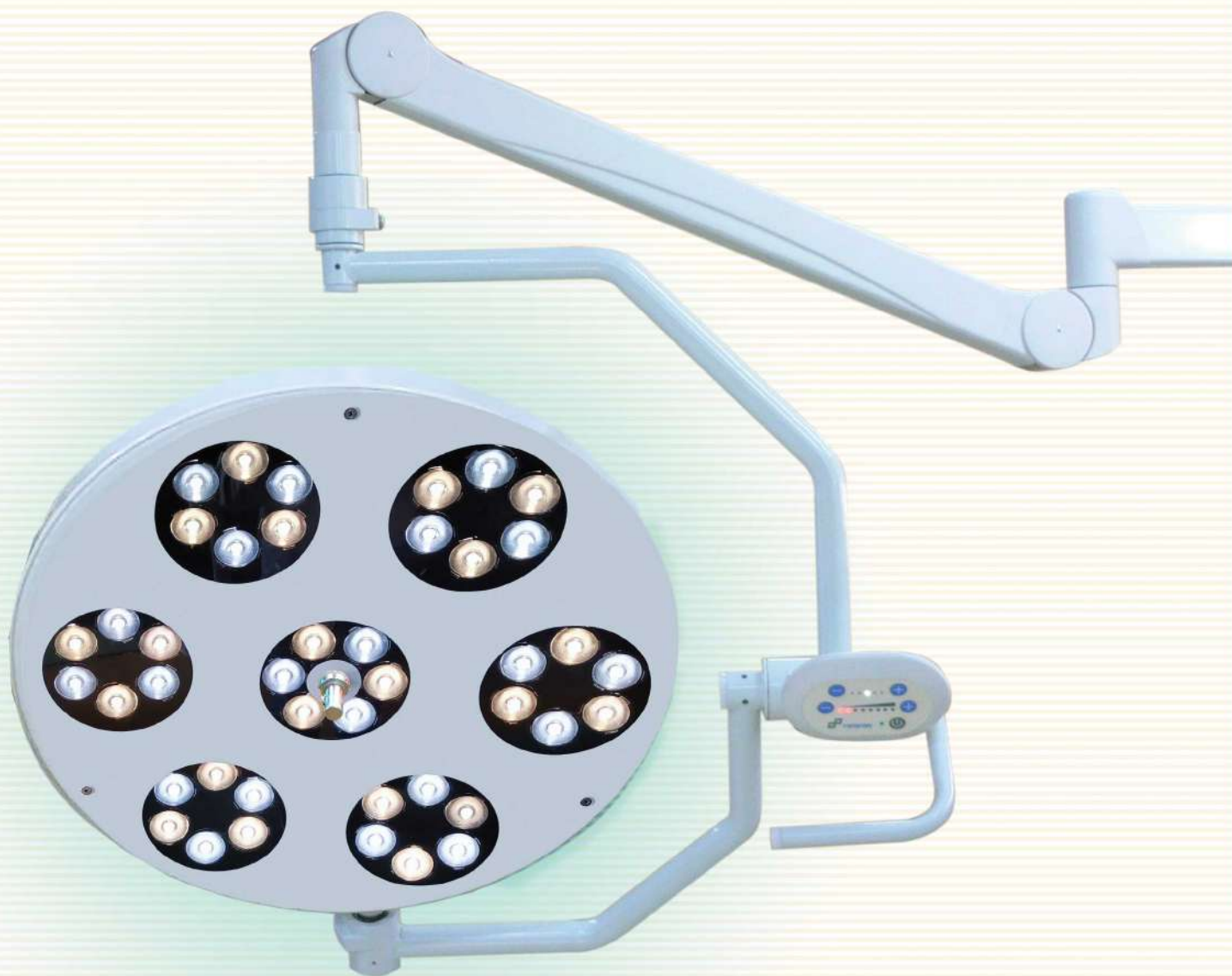

OL - 600

LED Operating Light

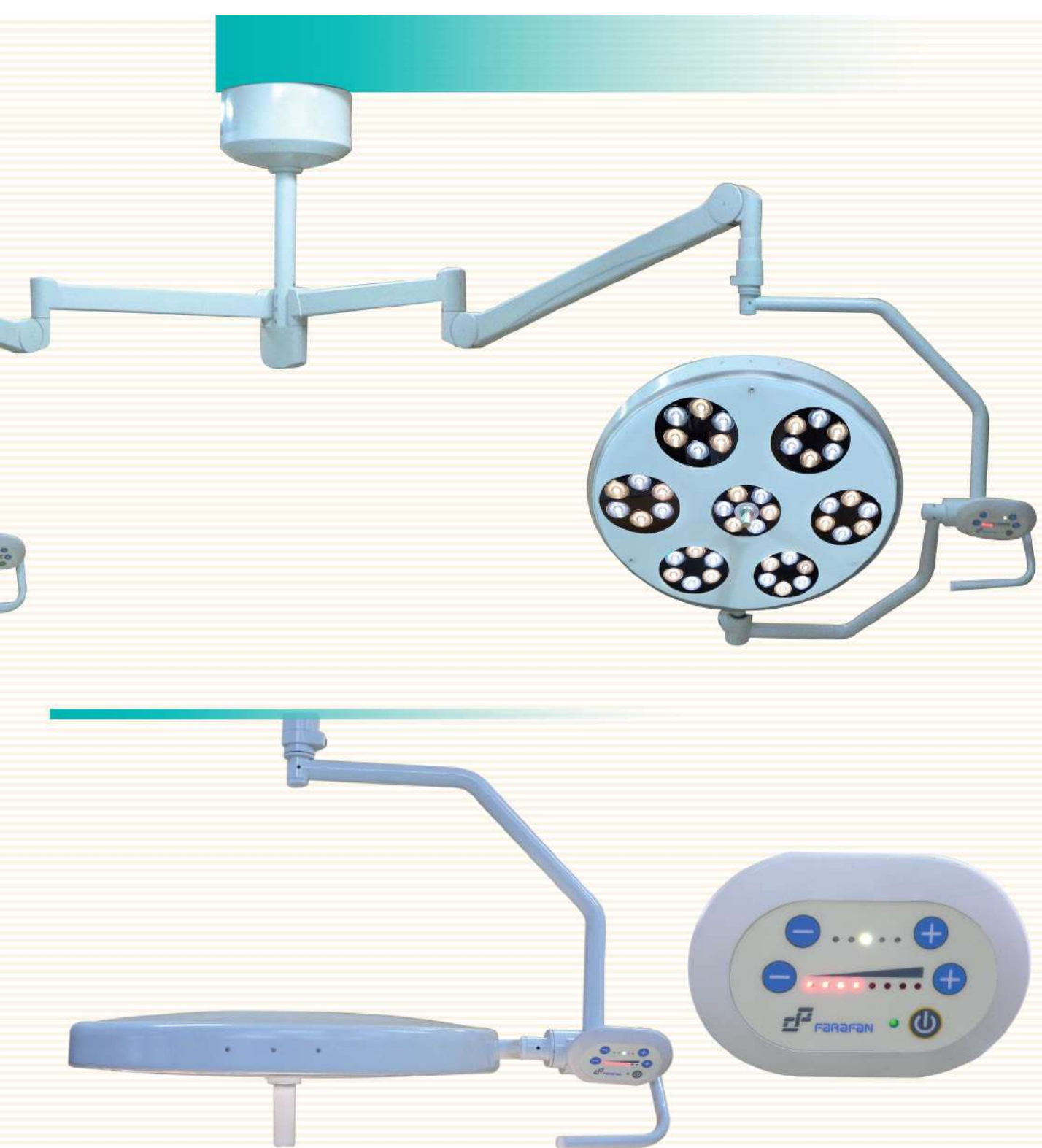


 **FARAFAN**

OL - 600M

Mobile LED Operating Light





- ◆ 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.

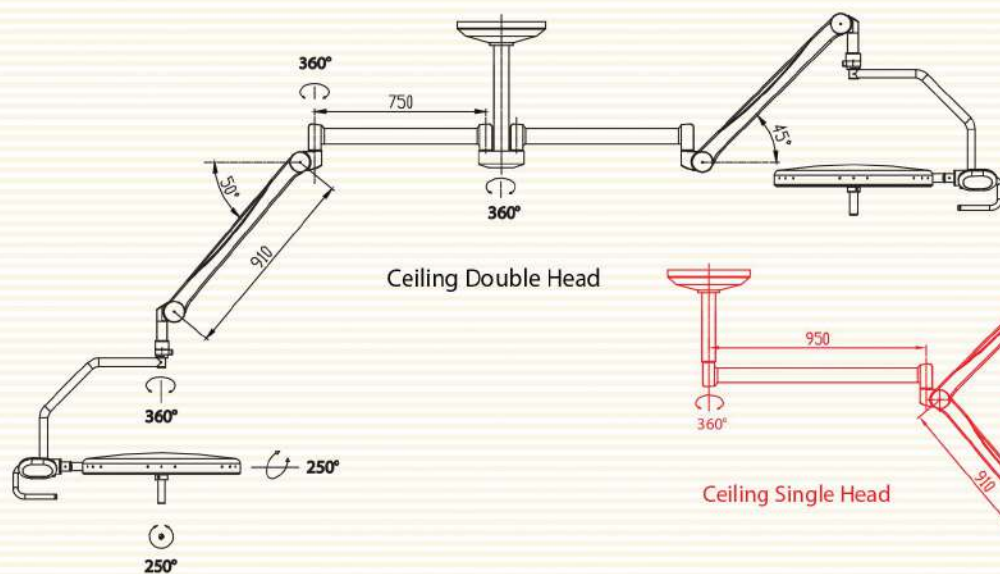
OL - 600 + 600

LED Operating Light

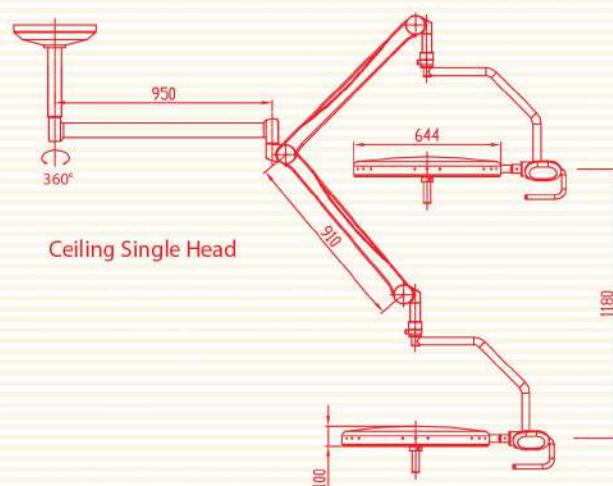
Features:

- 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 97 and Red color rendering index of 95 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 42 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 1 central and 6 peripheral modules, which are mechanically focused by rotating the Sterilizable handle, providing excellent shadowless operation, depth of field and light penetration into cavities.

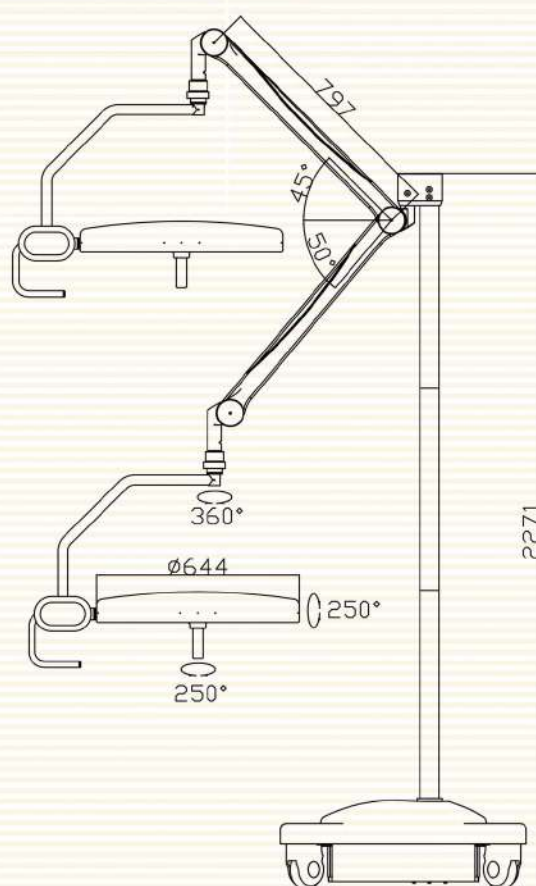




Ceiling Double Head



Ceiling Single Head



Technical Specification:

Light Intensity at 1m distance	: 160 Klux
Intensity Adjustment	: 5% to 100%, Adjustable in 8 steps
Color Temperature	: 3500-5000 °K, Adjustable 5 steps
Color Rendering Index (CRI)	: 97
Red Color Rendering Index (R9)	: 95
No. of LEDs	: 42
Focus	: 850 to 1700 mm, mechanically adjustable by handle
Light Field Diameter	: 120 to 250 mm
Dept of Illumination (L1+L2) at 60%	: 470 mm
Total Radiated Energy (Ee)	: 420 W/m ²
Ratio Between Radiated Energy and Illuminance	: 2.62 mW/m ² .Lx
Remaining Illuminance with One Mask	: 84 Klux (55%)
Remaining Illuminance with Two Mask	: 63 Klux (39%)
Remaining illuminance with Tube	: 130 Klux (81%)
Remaining Illuminance with One Mask and Tube	: 66 Klux (41%)
Remaining Illuminance with Two Mask and Tube	: 52 Klux (33%)
LED life	: 50,000 Hours
Light Head Diameter	: 640 mm
Power	: 220 V, 50Hz
Power consumption	: 135 W
Protection Class	: IP 32
CE Marking	: Yes

Features and specifications are subject to change without notice.



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