

# Pentaled 28

PENTALED 28 and PENTALED 12 are a concentration of unparalleled-performance technology, the best for a lamp for ambulatories and minor surgery.

Their compact dimensions and extremely handy structure are permeated by the strong determination of Rimsa heart, a synonym of high technology, quality and performance ever since. The thin dome with two convenient side grips ensures easier positioning and adjustment and reduces overall dimensions. The conformity to International rule IEC 60601-2-41 makes them suitable for: surgeries, first aid station, intensive care, recovery room, gynaecology, minor surgeries. White light, cold light, sterilizable handle, manoeuvrability, long lifetime are only some of the great features of Pentaled 28 and Pentaled 12.

## PENTALED 28 120,000 Lux @ 1 m

This lamp offers exceptional technical performance and great operating versatility. It is particularly suitable for minor surgery, gynaecology and emergency room.

The dome consists of 28 LED lenses arranged radial fashion to suppress shadows and ensure three-dimensional lighting.

The modular design of the LEDs ensures light continuity even in the rare case of a fault affecting an individual LED.

The high efficiency of the LED sources and the low current absorption permit obtaining very low IR emissions and a cold light in the operating field. Light intensity is 120,000 Lux.

Focusing and light field adjustment are achieved by turning the central knob. Through a digital membrane, the switch-on and switch-off functions can be accessed, the light intensity can be adjusted and the colour temperature can be changed 4500-5000 °K.



# Pentaled 12



## PENTALED 12 70,000 Lux @ 1 m

The fact that the reflectors are arranged close to one another permits obtaining a light that is always focused. PENTALED 12 makes use of the physical principle of reflection and indirect light.

Twelve elliptic reflectors reflect the light rays emitted by the LEDs on the area to be lit up, thereby obtaining a light intensity of more than 70,000 Lux at a distance of 1 metre.

The indirect light has the following advantages:

- it does not dazzle
- it does not strain the eyes and favours concentration
- it meets all the visual needs in the diagnostic and minor surgery sphere.

Recommended use	28	12
Preparatory room	☑	■
Intensive care	☑	■
Outpatient	■	■
Dermatology	-	☑
Plastic surgery	■	■
ER	☑	-

■ recommended ☑ alternative

Performances	28	12
Light intensity at 1 m distance (Ec)	120,000 Lux	70,000 Lux
Color temperature	4500/5000 °K	4500 °K
Color rendering index (CRI)	92 (5000 °K) 96 (4500 °K)	96
Light field diameter	135-270 mm	160 mm
Depth of illumination IEC 60601-2-41 (L1+L2) at 60%	58 cm	87 cm
Ratio between radiated energy Ee and illuminance Ec	3,37 mW/m <sup>2</sup> ·lx	3,57 mW/m <sup>2</sup> ·lx
Total radiated energy Ee where the illuminance reaches max level	404 W/m <sup>2</sup>	178 W/m <sup>2</sup>
Electrical absorption	100 VA	40 VA
Average led life	> 50,000 hours	> 50,000 hours
Control of the illuminance	20-100%	50-100%

