

GIMALED O.T. LED LIGHTS - 160,000 LUX

GimaLed light with **81 LEDs**: sophisticated design which combines excellent lighting features with exceptional mechanical characteristics for extra soft movement.

Deep light: 27 inner fixed Leds for central illumination and 54 LEDs (six modules of nine LEDs each) moved by servo-motor, allow surgeon to adjust light field diameter.

Shadowless light: 81 LEDs arranged on a round surface grant the best light emitting surface and avoid any shadow effect caused by any interposition between light beams and lighted surface.

Bright light: two colour selections, 4,000K and 4,600K, made of white LEDs only, no coloured shadow effect.

Major features

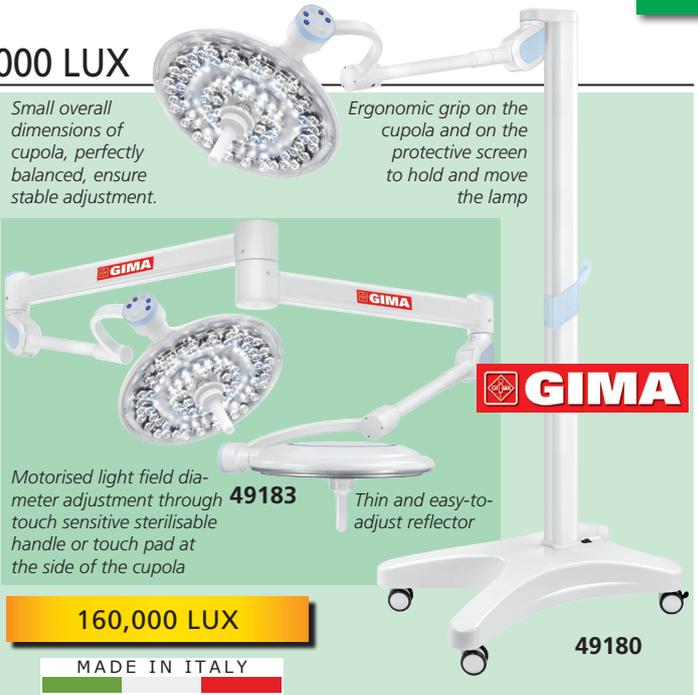
- collimated light beams for a working distance from 70 to 160 cm
- high colour rendering index (CRI) 95, R9 >90
- optimisation of LED thermal management by heat dissipation convection to avoid illuminance reduction during surgery
- PMMA optical lenses and polycarbonate protective screen
- Zener to grant light in case of even one LED failure
- reduced consumption, high efficiency

Electronic control of light adjustment, colour temperature, light field diameter and endoscopy light.

GIMA code	GIMALED
49180	GimaLed-mobile - 160,000 Lux
49181	GimaLed-mobile with battery group and automatic charger
49182	GimaLed - ceiling* - 160,000 Lux
49183	GimaLed - ceiling** - double - 320,000 Lux
49197	Autoclavable handle
49205	Monitor holding arm - stand alone
49220	Special structure for high ceiling
49185	GimaLed wall remote control

Battery group available on request for all models

*Ceiling >3.41 m needs 49220 **Ceiling >3.53 m needs 49220



TECHNICAL SPECIFICATIONS	
Light intensity at 1 m distance (Ec)	Klx 160, Klx 320 (only 49183)
2 Colour temperature - switchable	*K 4,000 and 4,600
Colour rendering index (CRI)	Ra 95
Light field Ø (adjustable)	11-35 cm
Light field Ø where illuminance reaches 10% of Ec (d10)	260 mm
Light field Ø where illuminance reaches 50% of Ec	150 mm
Total radiated energy Ee where illumination reaches max level	556 W/m ²
Average LED life	hours 60,000
Power supply:	100-240 V - 50-60 Hz - 61-71 W
Regulations:	IEC 60601-2-41 - EU 2017/745

PENTALED 30E SURGERY LAMP 160,000 LUX

LED LIGHT INNOVATIVE TECHNOLOGY

A compact size hi-tech product that guarantees great performance levels. It has 30 elliptical reflectors split into 6 modules each containing 5 LEDs, providing 160,000 LUX - **selectable 4,500 °K - 5,000 °K**. By simply pressing the digital key, the surgeon can choose two different white light temperatures

- **E-view** innovative lens allows the surgeon to expand/narrow the illuminated operating field electronically, without altering intensity of light.

- **E-comfort** the indirect LEDs creates 3D shadowless illumination of the operating field, no risk of dazzling

- **E-white** only white LEDs to avoid risk of perception of colour temperature variations or coloured shadows

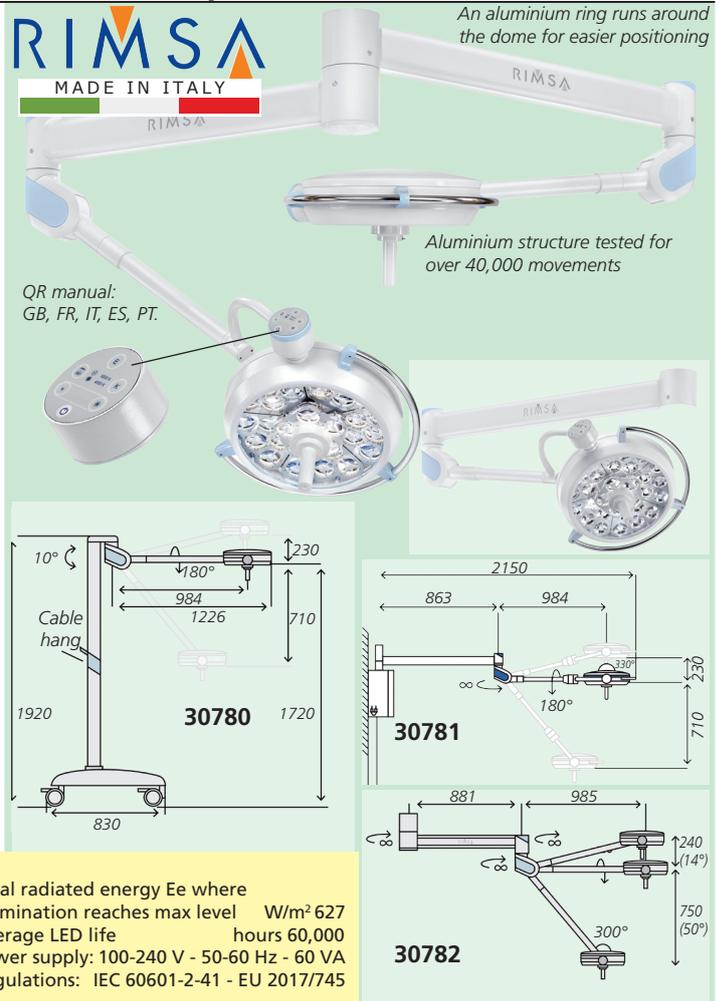
- **E-deep** centre of light is fitted with extra LEDs module specifically designed to reflect deep light. This means that surgeon can work with perfect 3D lighting.

Battery and high definition camera on request. Optional battery group with automatic charger (4 hours autonomy) and high definition integrated camera (for ceiling and wall models only).

GIMA code	PENTALED 30E
30780	Pentaled-mobile - 160,000 Lux
30779	Pentaled-mobile with battery group and automatic charger
30781	Pentaled - wall - 160,000 Lux
30782	Pentaled - ceiling* - 160,000 Lux
30783	Pentaled - ceiling** - double - 320,000 Lux
30785	Autoclavable handle - up to serial number 12071
30738	Autoclavable handle - since serial number 12072
49205	Monitor holding arm - stand alone
49220	Special structure for high ceiling

Battery group available on request for all models

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TECHNICAL SPECIFICATIONS		
Adjustable light intensity at 1 m distance (Ec)	Klx 160	Total radiated energy Ee where illumination reaches max level W/m ² 627
Colour temperature - switchable	*K 4,500 to 5,000	Average LED life hours 60,000
Colour rendering index (CRI)	Ra 96	Power supply: 100-240 V - 50-60 Hz - 60 VA
Light field (electronically adjustable)	14-26 cm	Regulations: IEC 60601-2-41 - EU 2017/745
Light field Ø where illuminance reaches 10% of Ec (d10)	mm 210	
Light field Ø where illuminance reaches 50% of Ec	mm 80	