

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

GimaLed light with **81 Led**: 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. Light intensity of 160,000 Lux.

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
- optional pre-wired system for Wi-Fi HD camera

GIMA code	GIMALED
49180	GimaLed-mobile
49181	GimaLed-mobile with battery group and automatic charger
49182	GimaLed - ceiling*
49183	GimaLed - ceiling* - double
49197	Autoclavable handle
49205	Monitor holding arm - stand alone
49220	Special structure for high ceiling (>3.8 m)
49185	GimaLed wall remote control
49186	Set up kit for HD Wi-Fi camera**
49187	HD Wi-Fi camera - need 49186

Battery group available on request for all models

*Ceiling >3.80 m needs 49220

**Installation must be done by Gima at the order

Small overall dimensions of cupola, perfectly balanced, ensure stable adjustment.

Ergonomic grip in the cupola and in the protective screen to hold and move the lamp

Motorised light field diameter adjustment through sensitive sterilisable handle or touch pad at the side of the cupola

49183

Thin and easy-to-adjust reflector

160,000 LUX

49180

TECHNICAL SPECIFICATIONS

Light intensity at 1 m distance (Ec)	Klx 160
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 50,000
Power supply:	100-240 V - 50-60 Hz - 61-71 W
Regulations:	IEC 60601-2-41 - 93/42/EEC
Made in Italy	

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 LED's creates 3D shadowless illumination of the operating field, no risk of dazzling

- **E-white**. Only white LED's 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
30779	Pentaled-mobile with battery group and automatic charger
30781	Pentaled - wall
30782	Pentaled - ceiling*
30783	Pentaled - ceiling* - double
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 (>3.8 m)

*Ceiling >3.80 m needs 49220

TECHNICAL SPECIFICATIONS

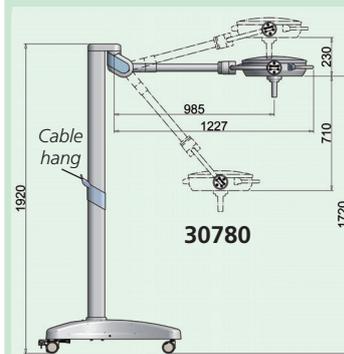
Adjustable light intensity at 1 m distance (Ec)	Klx 160	Total radiated energy Ee where illumination reaches max level	W/m ² 540
Colour temperature - switchable	*K 4,500 to 5,000	Average LED life	hours 50,000
Colour rendering index (CRI)	Ra 96	Power supply:	100-240 V - 50-60 Hz - 70 VA
Light field (electronically adjustable)	16-30 cm	Regulations:	IEC 60601-2-41 - 2007/47/EC
Light field Ø where illuminance reaches 10% of Ec (d10)	mm 160	Made in Italy	
Light field Ø where illuminance reaches 50% of Ec	mm 80		

An aluminium ring runs around the dome for easier positioning



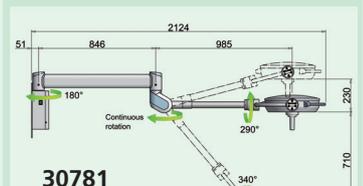
30783

Aluminium structure tested for over 40,000 movements

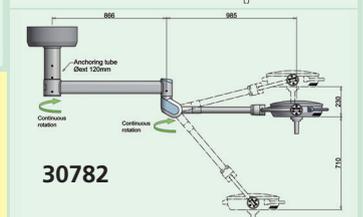


30780

RIMSA



30781



30782