PENTALED 63N THEATRE LIGHTS



PENTALED 63N
Pentaled 63N is a high-tech product designed to guarantee excellent performance levels. PENTALED 63N has 72 elliptical reflectors split into 8 modules, each containing 9 LEDs. The modules are mechanically focused by rotating the sterilizable handle. The multiplicity of the luminous sources and the elliptical geometry of the parabolas studied to reflect in the depth the light beams generated by the LEDs, grant scialytic light for a threedimensional illumination without shadows.

MADE IN ITALY

Comfortable use
Thanks to the principle of indirect light, the lamp oriented towards different positions does not dazzle the surgeon and the assistants. The size of the lit field is adjusted mechanically through handle according to the light required by the surgeon.

Superior lighting features
Membrane keyboard activates the following functions:
- selection of the colour temperature 5,000°K and 4,500°K
- adjustment of the light intensity up to 160 Klx
- on/off
- endoled light with colour selection (comfortable light for endoscopy intervention)

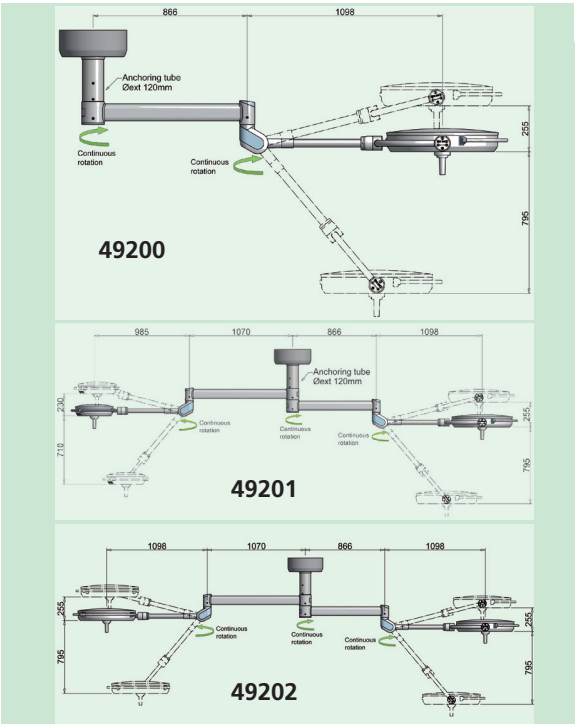
The colour temperature of 5,000°K stimulates the surgeons' concentration, does not strain their sight, reproduces the colour of the tissues faithfully and increases the definition of the edges.

Reliable and long lasting performances
The modular construction of the electronic board that feeds the LEDs guarantees continuous light, even in the unlikely event that a LED or board component should fail. The lighting body is protected by tempered glass screen, covered by a special film avoiding any fallen down splinters in case of break.

Easy manoeuvrability
The reduced dimensions and the light reflector provide extreme manoeuvrability and stability. Smooth 360° rotation. The extremely light structure, the aluminium treated bar attached to the upper front of the cupola, the ultra-thin dome (only 13 cm) allow simple movements.

Battery group, TVCC camera, monitor holding arm on request
Every lamp can be supplied with an emergency battery group with automatic charger (hours autonomy: 1.5 for 63N, 4 for 30N), TVCC camera or monitor holding arm.

Full certification
Complies with regulation EU2017/745 'Class I - Medical Device'.
QR manual: GB, FR, IT, ES, PT.



GIMA code	PENTALED 63N THEATRE LIGHTS - CEILING*
49200	PENTALED 63N* - 160,000 LUX
49201	PENTALED 63N+30N double** - 320,000 LUX - compact
49202	PENTALED 63N+63N double** - 320,000 LUX - plus
	*Ceiling >3.41 m needs 49220 **Ceiling >3.53 m needs 49220
	ACCESSORIES
30738	Autoclavable handle - spare
49205	Monitor holding arm - stand alone
49206	IR remote control - single lamps
	ACCESSORIES TO BE ORDERED WITH LIGHT
49210	Battery group with automatic charger for 63N
49211	Battery group with automatic charger for 63N+30N
49212	Battery group with automatic charger for 63N+63N
49214	HD TVCC camera for 63N - including lamp setup
49215	Monitor holding arm - integrated with lamp
49220	Special structure for high ceiling





63N+30N 320,000 LUX
(160,000+160,000 LUX)



63N+63N 320,000 LUX
(160,000+160,000 LUX)



TECHNICAL SPECIFICATIONS

			63N	30N
Performance	Light intensity at 1 m distance (Ec)	klx	160	160
	Colour temperature: double selection	°K	4,500/5,000	4,500/5,000
	Colour rendering index (CRI)	Ra	96	96
	Light field diameter adjustable from/to	cm	16-30	14-28
	Total radiated energy Ee where the illumination reaches max level	W/m²	580	580
	Number of LED		72	30
	Diameter and focus adjustment		manual	manual
	Depth of illumination IEC 60601-0-41 L1+L2 at 60%	cm	56	65
	Depth of illumination IEC 60601-0-41 L1+L2 at 20%	cm	108	115
	Control of illuminance	%	20-100	20-100
	Endo LED light intensity min-max	klx	5-20	9-25
Electrical data	Operating power (VAC)	V	100-240	100-240
	Operating power Vdc	V	24	24
	Electrical absorbed power	VA	67	60
	Frequency	Hz	50/60	50/60
	Average LED life	h	60,000	60,000
General data	Colour	RAL	9003	9003
	Minimum height of the room	cm	260	260
	Outer reflector diameter	cm	63	40
	Useful lighting surface	cm²	1828	762
	Weight	kg	47	39