

# PENTALED 30N

N-SERIES



RIMSA

Brightening Ideas



[www.rimsa.it](http://www.rimsa.it)

## LAMP MODEL PENTALED 30N

Cutting-edge solutions designed by our engineers combine revolutionary new technology with consolidated concepts, such as “WHITE LIGHT” and “INDIRECT LIGHT”, as used in the RIMSA PentaLED series.

Designers of the world’s first scialytic lamp using LED technology (patented in September 2002), RIMSA now applies the experience it has gained over the years to its new PENTALED N-Series.

**PENTALED30N** is especially recommended for operating theatres where the surgeon needs a small lamp to avoid interference with other overhead equipment. Excellent for oral and maxillofacial surgery and aesthetic plastic surgery. It has 30 elliptical reflectors split into 6 modules, each containing 5 LEDs, providing 160,000 Lux. An aluminium ring runs around the dome for easier positioning.

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**INDIRECT LIGHT** The indirect light provided by all PentaLED lamps guarantees cold light, depth and no stress or dazzling for the surgeon. This is due to especially calculated parabolic dishes that reflect the entire spectrum of light emitted by each LED lamp in a punctiform manner, without dispersion.

**MANUAL FOCUS** The manual focalization inside the sterile area grants a precise and immediate control of the light field. The Focus function is activated by the surgeon rotating the sterile central handle.

The possibility of adjusting the focalization every time the lamp is moved, allows to optimize the light flux and adapt the light field diameter according to the different surgeries.

**ENDOLED** The “EndoLed” function provides comfortable lighting during endoscopic surgery. When enabled, this function lights up a single module whose light intensity and colour temperature can be adjusted at will.

## PERFORMANCES

Light intensity at 1m distance (Ec)	Klx	160
Color temperature	K	4.500-5.000
Color rendering index (CRI)	Ra	96
R9		≥ 90
d10 light field diameter where illuminance reaches 10% of Ec	mm	220
Light field diameter adjustable from – to –	mm	140-280
Depth of illumination IEC60601-2-41 (L1+L2) at 60%	cm	70
Depth of illumination IEC60601-2-41 (L1+L2) at 20%	cm	115
Total radiated energy Ee where the illuminance reaches max level	W/m2	580
Ratio between radiated energy Ee and illuminance Ec	mW/m2.lx	3,68

## ELECTRICAL DATA

Primary alternating voltage (a.c.)	V	100 - 240
Frequency	Hz	50/60
Absorbed power	VA	60
Light head diameter	cm	40
No. of LED	Led	30
Average LED life	hours	>60.000

## VERSIONS AVAILABLE:



-CEILING SINGLE  
Pentaled 30N ceiling

(code **PENTA30NSO**)



-CEILING DOUBLE  
Pentaled 30N+30N

(code **PENTA30N+30N**)



-WALL MOUNTED  
Pentaled 30N wall

(code **PENTA30NPA**)

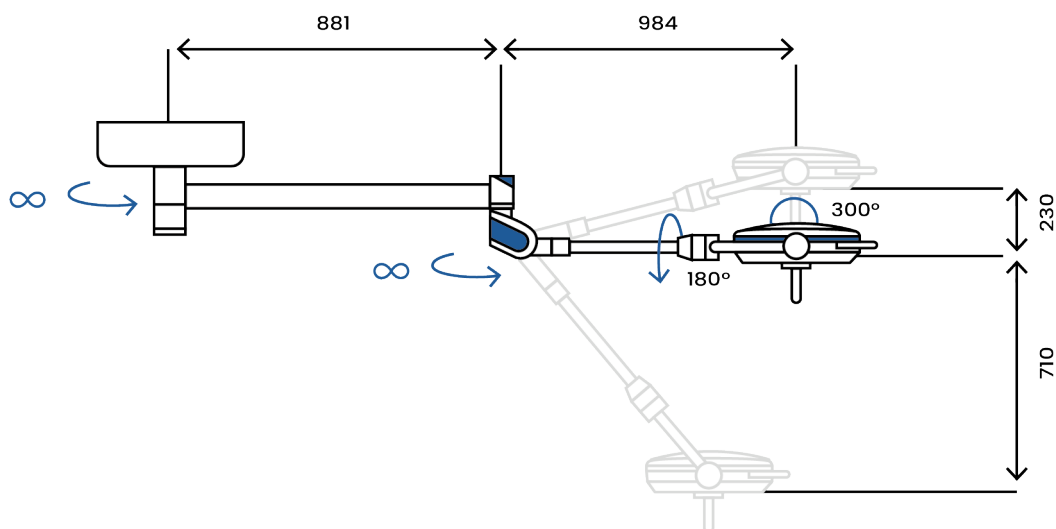


-MOBILE  
Pentaled 30 N mobile

(code **PENTA30NPI**)

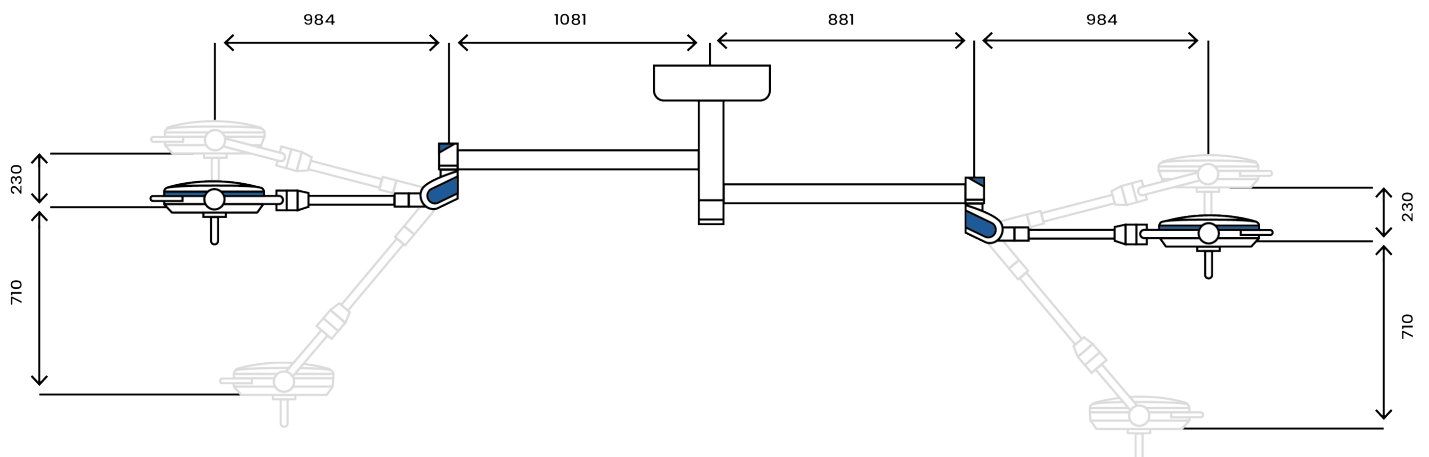
**OPTIONAL:**

- BATTERY GROUP
- IR remote control
- WALL CONTROL PANEL
- Additional arm for Monitor
- Additional arm for double Monitor

**PENTA30NSO**

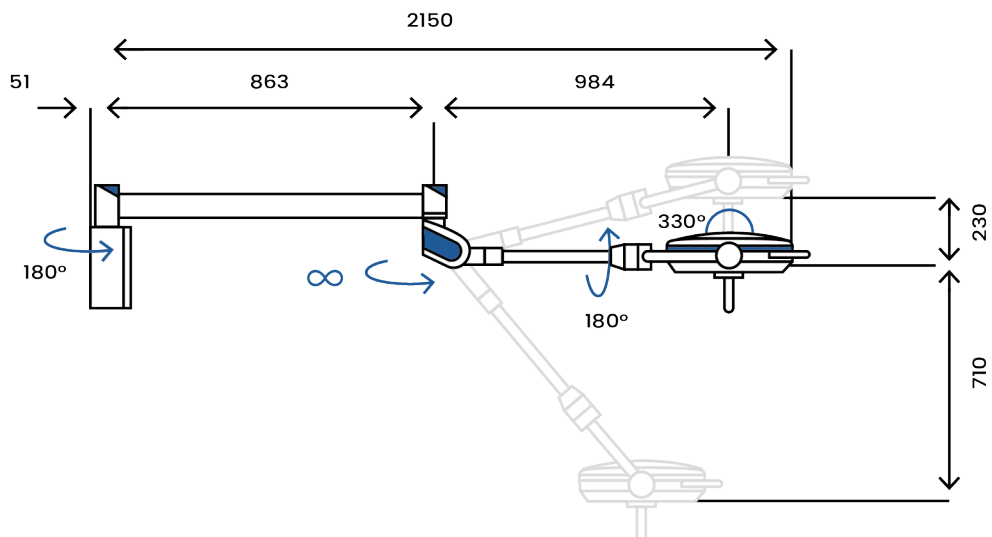


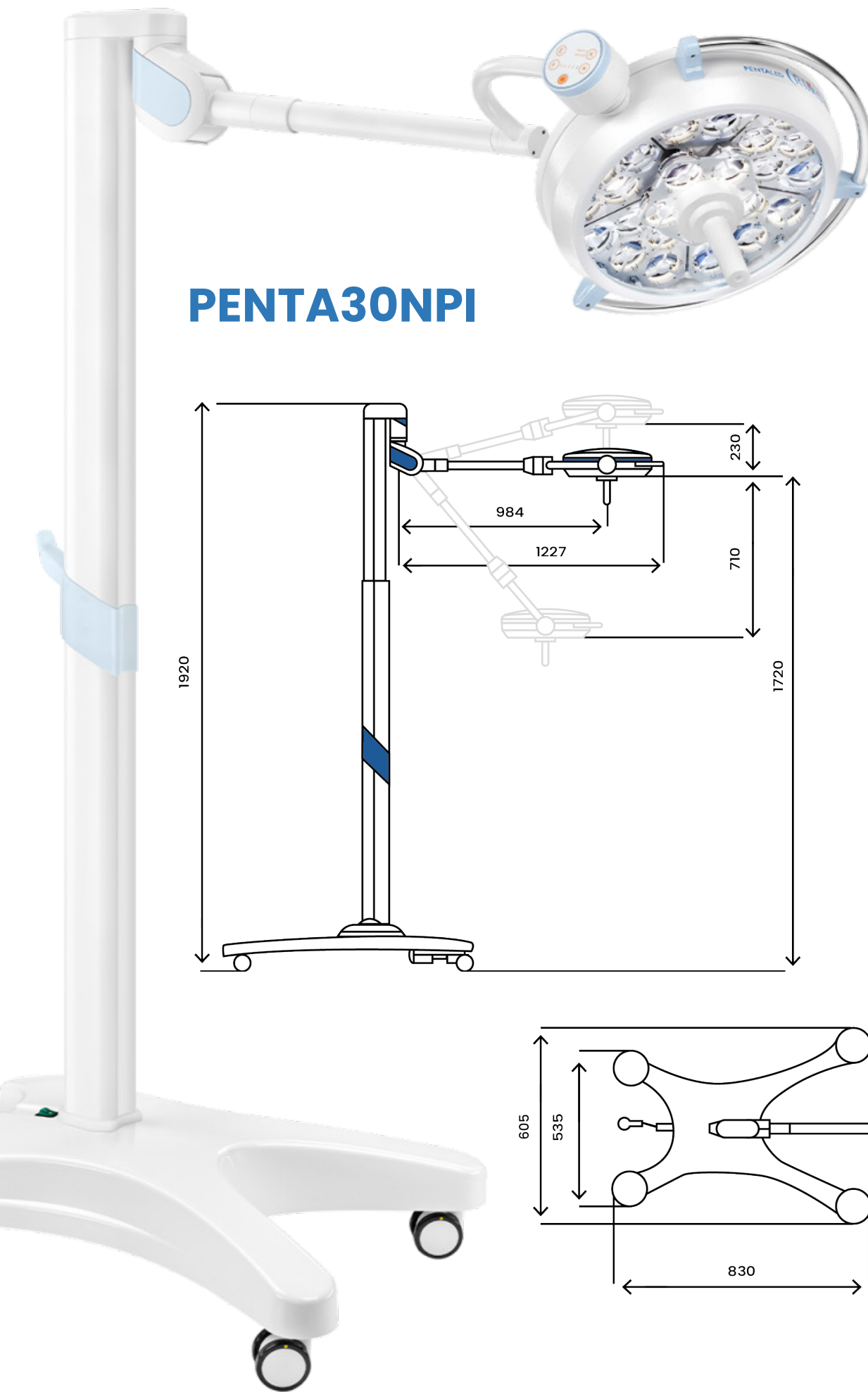
## PENTA30N+30N



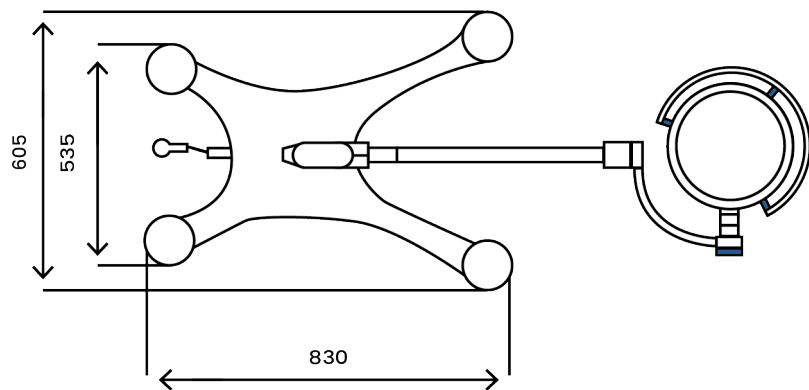
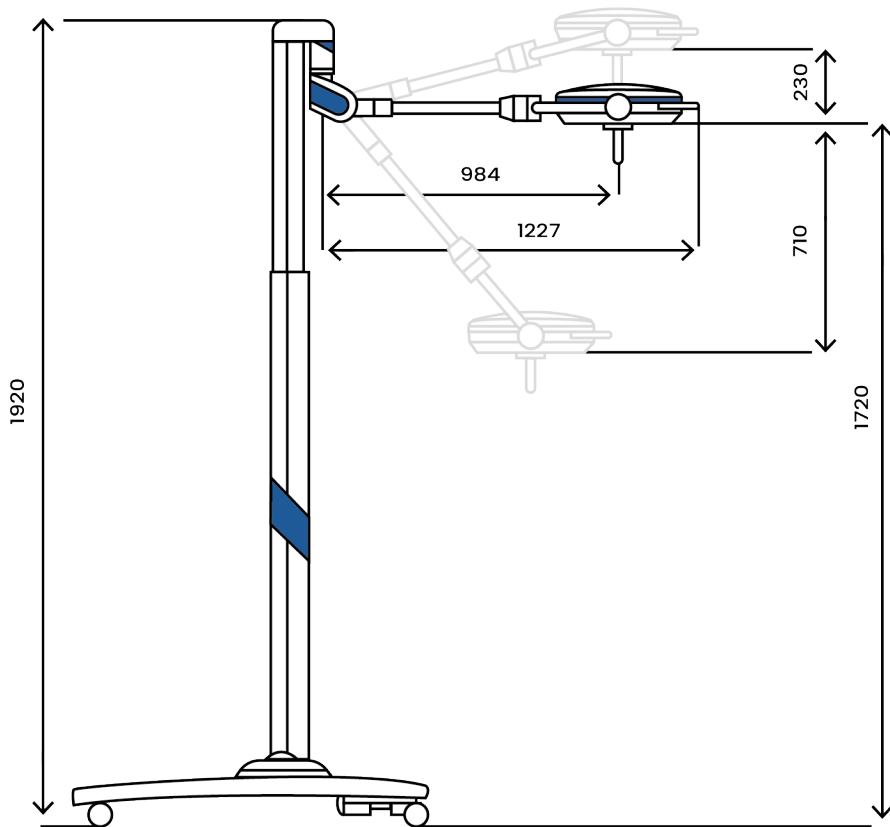


## PENTA30NPA





# PENTA30NPI



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