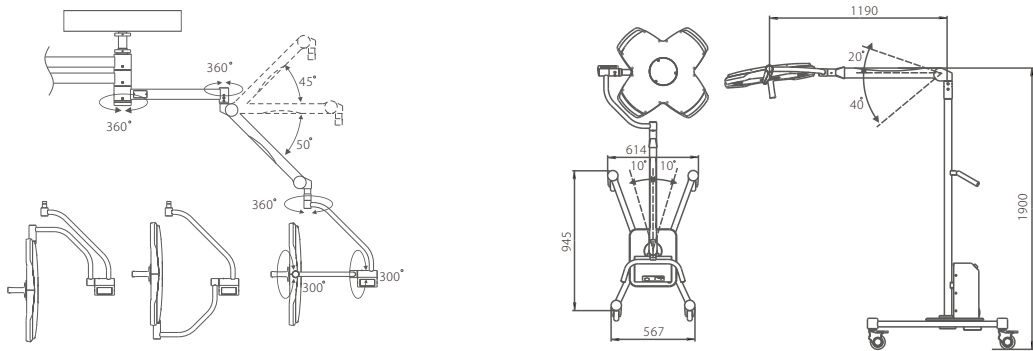


Technical Specifications

	HyLED 9700	HyLED 9500/9500M
Central illuminance (at 1m distance)	160,000 lux	120,000 lux
Light field diameter(at 1m distance)	160-330mm	160-300mm
Depth of illumination (20%)	1,200mm	1,200mm
Color Temperature *	Standard: 4,350K Variable CCT: 3,000-5,000K *	Standard: 4,350K Variable CCT: 3,000-5,000K *
Color rendering index(Ra)	96	96
Color rendering index(R9)	97	97
Shadow dilution with tube	100%	100%
Shadow dilution with one mask	80%	65%
Shadow dilution with tube and one mask	75%	60%
Shadow dilution with two masks	60%	55%
Shadow dilution with tube and two masks	55%	50%
Ambient illumination	12,800 lux	9,600 lux
Service life of bulb	≥60,000h	≥60,000h
Max. power consumption of all light sources	118w	90w
Power supply	100VAC-240VAC, 50/60Hz	100VAC-240VAC, 50/60Hz
Number of LED Bulbs	88	60
Dimming Range	8 –100%	8-100%
Light Head Dimension	740mm	620mm
Integrated Camera	Optional	Optional/No

* Five ranks for variable color temperature 3,000/3,500/4,000/4,350/5,000K.



reddot design award
winner 2011

HyLED 9 Series
LED Surgical Lights



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Mindray is listed on the NYSE under the symbol "MR"

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P/N:ENG-HyLED 9 Series-420285x12-20151009



mindray
healthcare within reach

HyLED 9 Series

All-Round Partner for Surgeons

Premium Illumination Performance



Each LED unit has a separated circuit and therefore can be replaced individually, ensuring low maintenance cost.

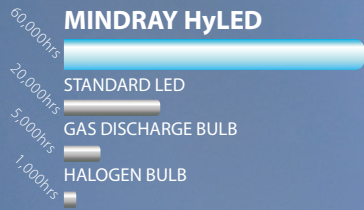
Suitable for various surgeries with a maximum light intensity of 160,000 lux.

Reliable color and improved contrasts with a color rendering index up to Ra 96.



Several functions can be adjusted electronically on the touch screen panel (optional)

- Switch on/off
- Illumination intensity (20 levels)
- Light field diameter
- Color temperature (3,000-5,000K, 5 ranks)
- Ambient mode for endoscopy
- Camera control



Each latest generation LED illuminates far longer than traditional light sources.

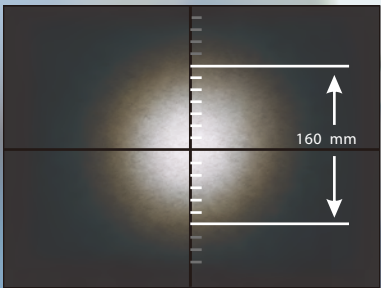
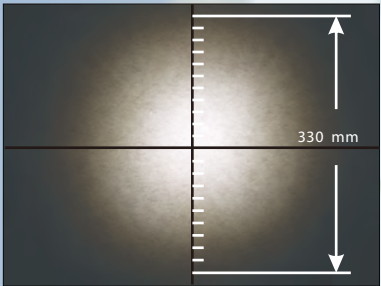
Unique Electrical Light Field Adjustment

Mindray adopts optical lens technology that uniformly distributes the emitted light.

Each lens unit in the light head generates its own homogenous light beam and light patch. This results in excellent illumination with a maximum light intensity of 160,000 lux, providing a light with uniform illumination across the entire surgical light field.

HyLED 9 Series uses the unique electrical control pattern to adjust the light field diameter: increase or decrease the quantity of the lighted bulbs.

The light field diameter may be adjusted for various size operating fields. This large diameter combined with the double light head ensures the HyLED 9 Series provides you with choice and helps assist multiple surgical needs.



Variable Color Temperature

The HyLED 9 light provides a light column with either a fixed daylight-like color temperature - 4,350K, or a color temperature variable from 3,000 - 5,000K. This function is helpful to distinguish the difference between various tissue types and the perception of true tissue colors, which is used especially within cardiac surgery.

Mindray offers a special light source system with a uniform mixed light of cool white LEDs and warm white LEDs to realize the color temperature adjustment. The light colors within the surgical area will not be affected or produce a "Rainbow effect" when surgeons block some of the light source during surgery.



Additionally, the color temperature of multiple light heads can be synchronized directly with the "SYNC" button on the touch screen control panel.



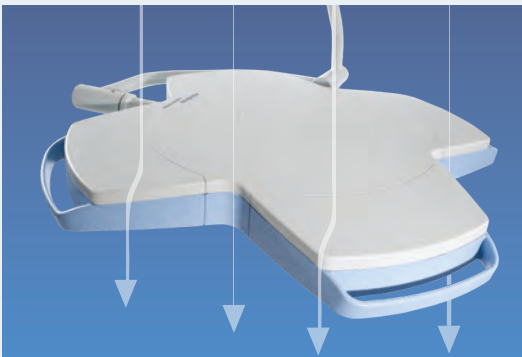
HyLED 9 Series

All-Round Partner for Surgeons

Ergonomic and Compact Design

Perfectly Integrated Into Laminar Flow

Owing to the "cross" shape light head design, smooth finish and small air flow contact surfaces, HyLED 9 Series generates minimized turbulence, helping to optimize operating conditions and satisfy clinical hygiene requirements.



Certified per DIN 1946 Part 4, 2008.

Easy and Intuitive Operation



HyLED 9 Series, the innovative all-round partner guaranteeing reliable usability:

- Perfect compatibility of multiple light heads.
- Easy positioning with detachable sterilized central control handle and four grip around the light head.
- Fast and simple operation with normal or touch control panel.

Innovative HD Camera System

The innovative HD system integrates with the surgical light to provide an excellent platform for medical research purposes, teaching communication and video documentation.

Carrier Arm Camera/Integrated Camera	
Picture Elements	2-Megapixel HD Camera
Optical Zoom	10 X (f=5.1-50.1mm, F=1.8-2.1)
Digital Zoom	12 X (120X with optical zoom)
S/N Ratio	>50dB
Electric shutter	1/2-1/10,000s
Video Output	Component



Carrier arm camera



Integrated HD camera allows 330° rotation

The 2-Megapixel HD camera can be integrated into the light heads or placed on a separate support arm.





HyLED 9500M

Mobile LED Surgical Light

HyLED 9500M offers a surgical light solution for emergency, minor surgery, examination treatment rooms and operating rooms:

Maximum flexibility

With the ultra-agile mobile base, four castors locking system and ergonomic handle design, HyLED 9500M goes where you need with excellent performance.

Reliable battery

Power module supply can support up to 3 hours (normal state).



Mindray OR Total Solution

The advanced and reliable features of Mindray technology are customized to match your needs and provide total support.

