

HyLED 8600

LED Surgical Lights

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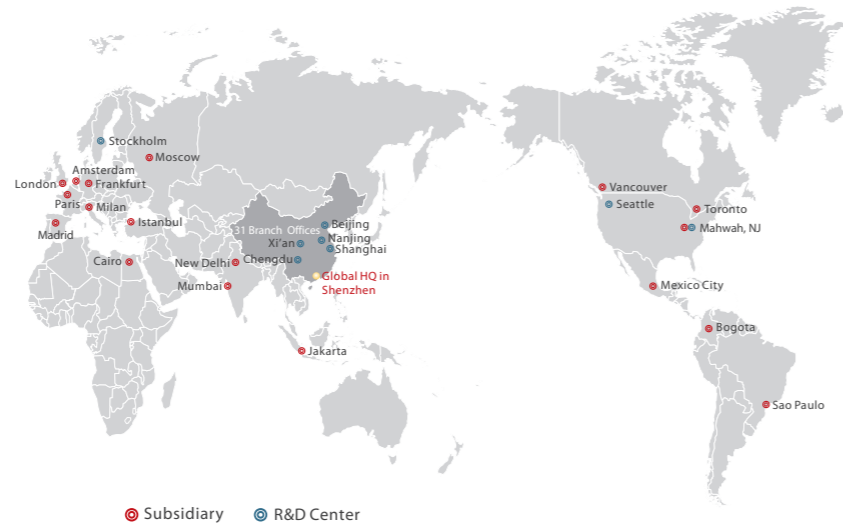
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● Subsidiary ● R&D Center



HyLED 8600

LED Surgical Lights

NEW

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• EN ISO 13485
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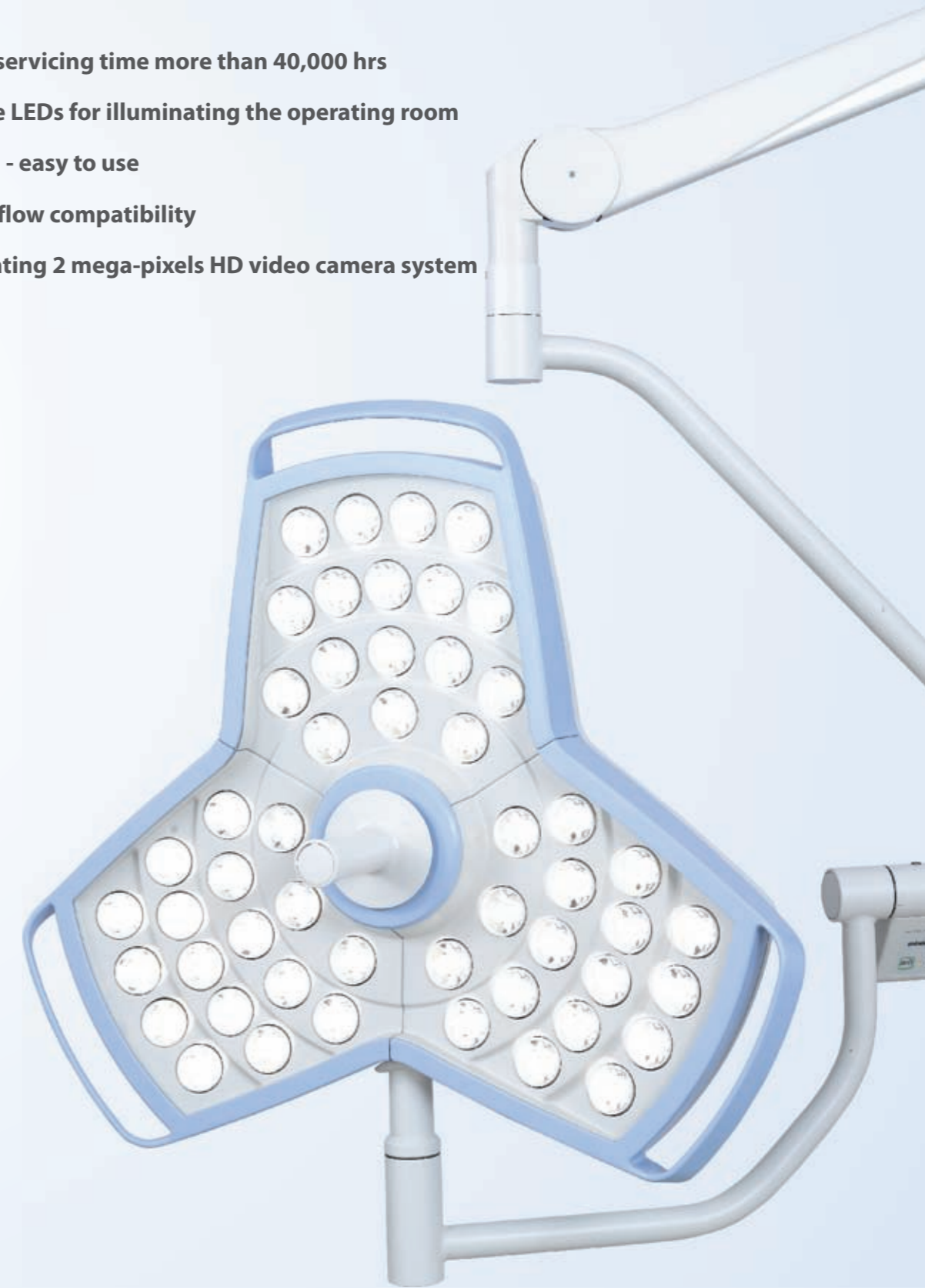
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HyLED 8600 - Cutting-edge LED Technology

- Long-lasting LED servicing time more than 40,000 hrs
- High-performance LEDs for illuminating the operating room
- Ergonomic design - easy to use
- Excellent laminar flow compatibility
- Perfect for integrating 2 mega-pixels HD video camera system



HyLED 8600

LED Surgical Lights

>40,000 Hours

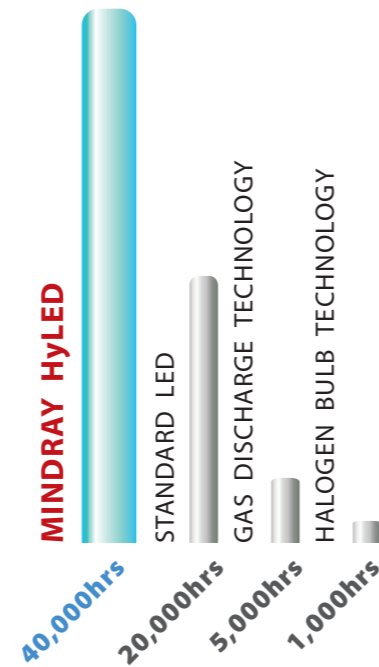
One of the main features of LEDs is their potentially very long life.

LED Lifetime Characteristics

How do the lifetime for today's white LEDs compare to traditional light sources?

Light Source	Hours
Halogen technology	1,000
Halogen with IRC technology	2,000
Xenon technology	5,000
LED technology	20,000-50,000 (L70)

Electrical and thermal design of the LED system or fixture determine how long LEDs will last and how much light they will provide. With improved electrical and thermal robustness of LEDs, HyLED service life is up to 40,000 hours, which is 40 times than halogen bulbs.



● Due to LED technology, HyLED service time is 40 times comparing to halogen bulbs



High-performance LEDs & Ergonomic Design



High-performance LEDs

Every single LED in a light head generates a homogeneous light field, together providing a light with uniform illumination across the entire surgical light field. With maximum illumination of 150,000lux, high color rendering index and optimum color temperature, HyLED serves the most diverse surgical situations allowing for the optimal identification of differing tissue types.

A cool light without infrared

With cutting-edge LED technology, HyLED is a cool light without infrared avoiding the problem of heating the area around the operative field and the surgeon's head even for a long time lasting surgery, providing a pleasant working environment.



Easy to manipulate

Three build-in light head rails and a sterilizable handle allow for easy positioning of the light head.

Sterilizable and detachable handle

The handle can be sterilized in 134°C



More lighting modes choice

Multiple lighting modes cater for different lighting requirements of surgeries, including general lighting mode, full lighting mode, and MIS (minimally invasive surgery) lighting mode. Every lighting mode switch only needs to press one button, bringing great convenience to doctors. Illumination adjustment within 10 levels are available in both general lighting mode and full lighting mode, totally 20 levels, that provides more choices in illumination for doctors during the surgery.



General lighting mode
Illumination adjustable between 25%-65% Ec



Full lighting mode
Illumination adjustable between 65%-100% Ec



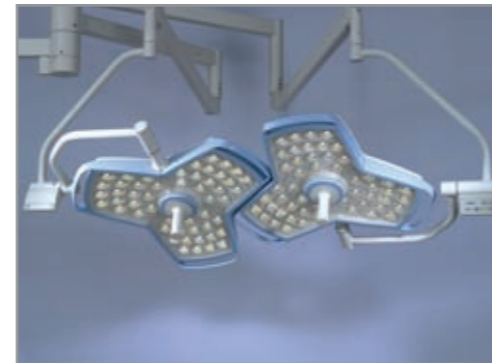
MIS lighting mode

HyLED 8600

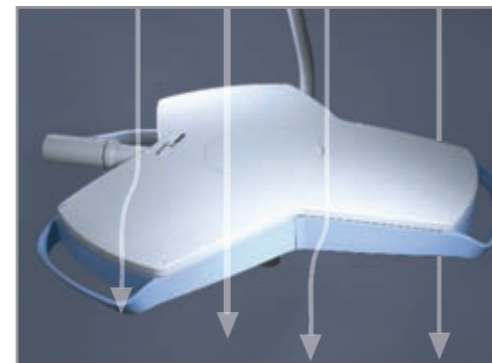
LED Surgical Lights

Excellent Laminar Flow Compatibility

This "Trigon" shape of light head can be put in a proper position, which makes doctors' heads in the corners. The two HyLED 8600 can perfectly match with each other in terms of the form, providing you a homogeneous light beam & light patch.



Perfect match of two light heads



Optimized air flow design for better hygiene

HyLED generates minimized turbulence in the laminar flow in two ways: first its trigon shape design ideally matches with laminar flow; second, its low power consumption and excellent heat dissipation make the warming effect on the outer surface is really low. So, HyLED creates optimum operating conditions and fulfills hygiene requirements.



High quality and efficient LED bulb in the light head



Really thin, the lateral profile of the light head



Excellent heat dissipation of the light head

2 Mega-Pixels HD Camera



Remote panel of camera (optional)

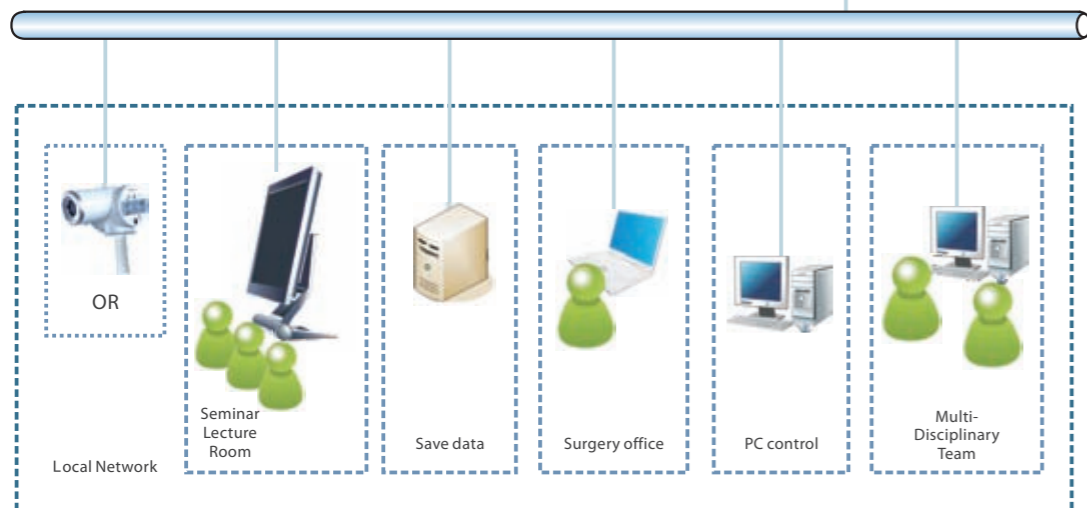
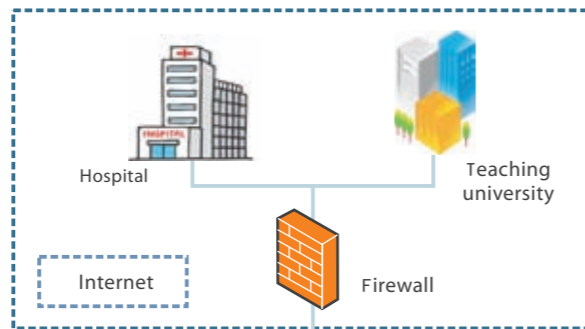


Wall control panel, camera control is optional

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

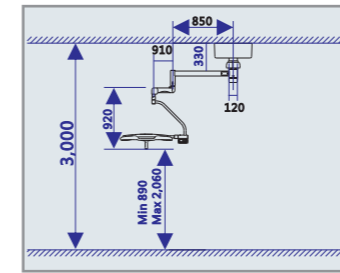
Modern medicine, to a large extent, depends on interdisciplinary exchanges of diagnostic data and expert opinions. Therefore, an integrated data transmission system that delivers information beyond spatial limitations has become an indispensable part of the future-oriented healthcare institutions.

Mindray's integrated video system serves the exact purpose. With the HD camera that features 2 megapixels and the comprehensive broadcasting network that links people everywhere, it enables communications inside and outside the institution, and for training and consultations.

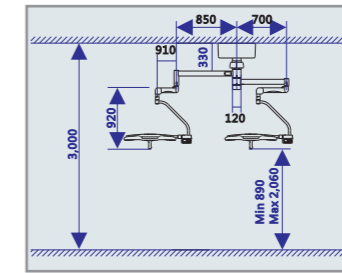


Technical Data

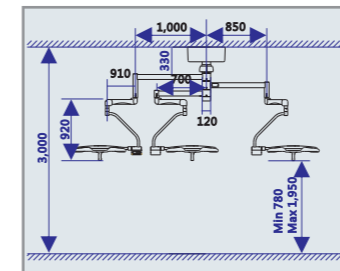
Combination of HyLED 8600



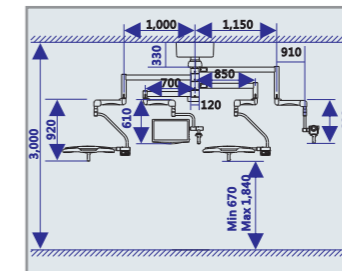
HyLED 8600, single version



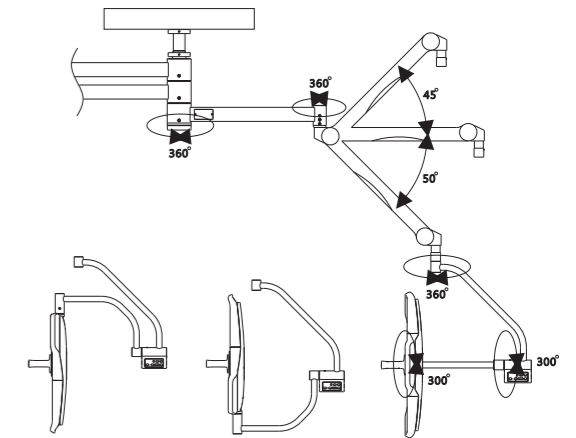
HyLED 8600+8600, double version



HyLED 8600+8600+8600, triple version



HyLED 8600+8600, camera & monitor arm (the maximum is four arm)



Technical Specifications

	HyLED 8600
Central illuminance (at 1m distance)	150,000 lx
Light field diameter(at 1m distance)	260mm
Depth of illumination (L1+L2)	1,200mm
Color temperature	4,350K
Color rendering index(Ra)	95
Shadow dilution with tube	100%
Shadow dilution with one mask	55%
Shadow dilution with tube and one mask	50%
Shadow dilution with two masks	50%
Shadow dilution with tube and two masks	45%
Radiant energy	3.6 mW/m ² *lx
Ambient illumination	12,000 lx
Number of LEDs	51
Diameter of lighthouse	670mm
Service life of bulb	≥40,000h
Bulb power consumption	120VAC
Power supply	100VAC~240VAC,50/60Hz
Dimming Range	25~100%
Light Field Diameter (D50/D10)	>50%
Light Head Weight	16kg
Integrated Camera	No

Mindray OR Total Solution — Welcome to Mindray showroom

All the advanced and reliable facilities from Mindray technology, are perfectly matched to give you total support !

