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**Mindray Medical Netherlands B.V.**  
Drs.Wvan Royenstraat 8, 3871 AN Hoevelaken, The Netherlands  
Voice: (31-33) 254-4911  
Fax: (31-33) 253-4280

**Mindray Medical Italy S.r.l.**  
Via Leonardo DA Vinci, 158, 20090 Trezzano Sul Naviglio (MI), Italy  
Voice: (39-02) 5737-401  
Fax: (39-02) 5523-2018

**MindrayMedicalEspaña S.L.**  
Avenida Manoteras 38, Edificio B, Bajo B008. 28050-Madrid Spain  
Voice: (34-91) 392-3754  
Fax: (34-91) 392-3756

**Mindray Medical Germany GmbH**  
Zwischen den Bächen 4, 64625 Bensheim, Germany  
Voice: (49) 6251-17524-0  
Fax: (49) 6251-17524-20

**Mindray (UK) Limited**  
3 Percy Road, St Johns Park, Huntingdon, Cambs,  
PE29 6SZ United Kingdom  
Voice: (44) 1480-416-840  
Fax: (44) 1480-436-588

**Mindray Medical France SARL**  
Europarc Creteil 1 allée des cerisiers 94000 CRETEIL, France  
Voice: (33-1) 4513-9150  
Fax: (33-1) 4513-9151

**Mindray Medical Sweden AB**  
Rissneleden 136, 174 57 Sundbyberg, Sweden  
Voice: (46) 8 555 54 121  
Fax: (46) 8 555 54 101

**Mindray Medical Rus Co.Ltd**  
2 Zvenigorodskaya Street, 13, bld 41, 123022 Moscow, Russia  
Voice: (7-499) 553-6036  
Fax: (7-499) 553-6039

**Mindray Medical Colombia S.A.S**  
Room No.702, Torre UNIKA, Carrera 9 No.77-67, Bogota, Colombia  
Voice: (57-1) 3130892 / 3210916

**Mindray do Brasil – Comércio e Distribuição de Equipamentos Médicos Ltda.**  
Rua Tavares Bastos, 329, Perdizes, São Paulo - SP,  
CEP 05012-020  
Voice: (55-11) 3124-8026  
Fax: (55-11) 3078-8035

**Mindray Medical Mexico S. de R.L. de C.V.**  
Félix Parra # 175 Colonia. San José Insurgentes Sur Delegación Benito Juárez 03900 México, D. F.  
Voice: (52-55) 5661-9450 / (52-55) 5662-6620  
Fax: (52-55) 5662-6597

**PT.Mindray Medical Indonesia**  
The East 11th Floor, Unit 08 Jl. Dr. Ide Anak Agung Gde Agung Kav. E 3.2 No.1 Jakarta 12950  
Voice: (6221) 2902-7280  
Fax: (6221) 2902-7283

**Mindray Medical Egypt**  
Ground Floor -11 El Imam Metwally El Sharawi Street,  
Sheraton Heliopolis - El Nozha, Cairo, Egypt  
Voice: (2) 02 22691047  
Fax: (2) 02 22691046

**Mindray Medical India Pvt. Ltd. (Delhi Office)**  
16th floor, Building No. 9-B, DLF Cyber City, DLF Phase- 3,  
Gurgaon- 122002, Haryana  
Voice: (91-124) 4632-488  
Fax: (91-124) 4632499

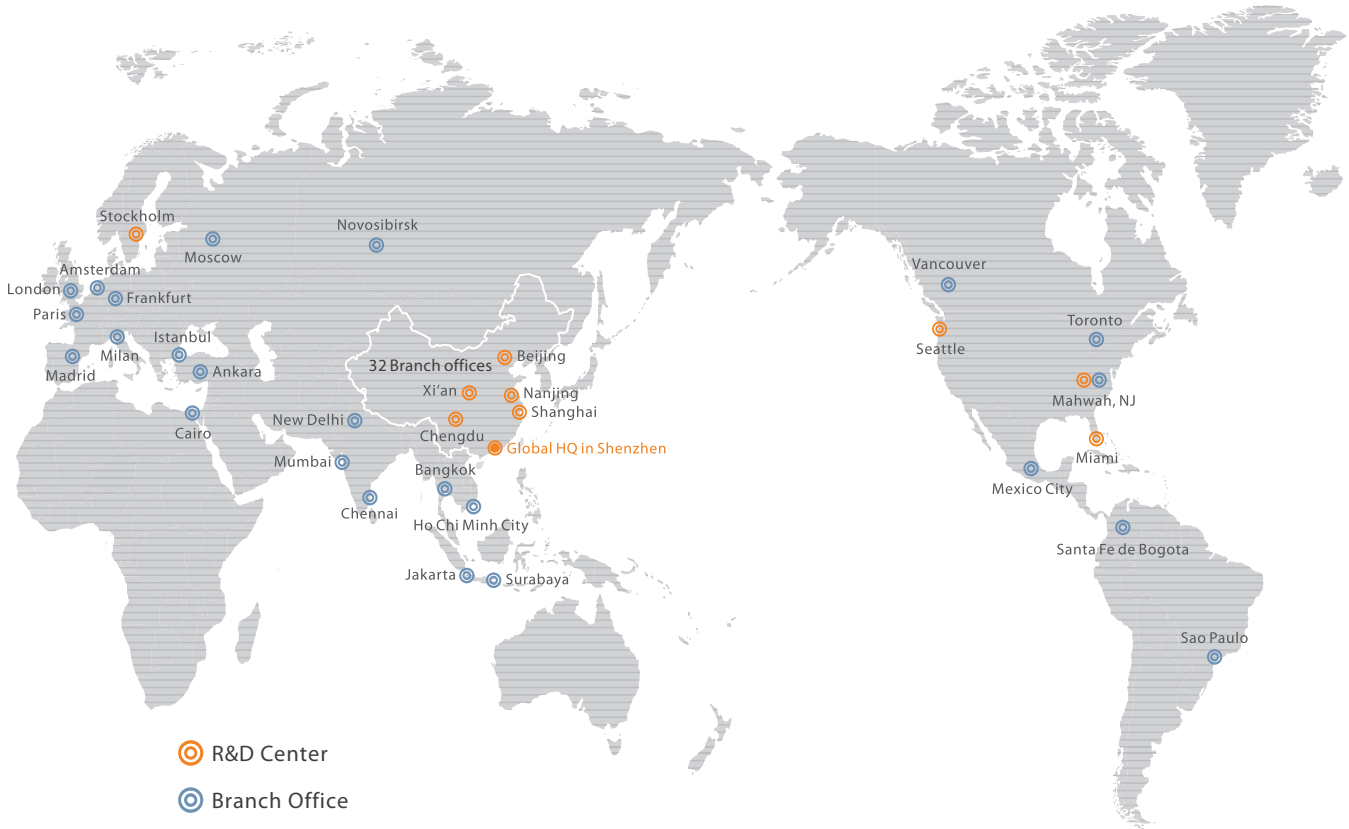
**Mindray Medical India Pvt. Ltd. (Mumbai office)**  
B-404, City Point, Andheri Kurla Road, Andheri East, Mumbai,  
400 059, India  
Voice: (91-22) 4020-0000  
Fax: (91-22) 4020-0011

**Mindray Medikal Teknoloji Istanbul Ltd. Sti.**  
KÖYALTİ MEVKİİ 29 EKİM CAD.N.1 KUYUMÇUKENT 2.NO.PLZ.3.KT.  
D.1- 9 34520 BAĞÇELİEVLER/YENİBOSNA, İSTANBUL, TÜRKİYE  
Voice: (90-212) 482 08 77  
Fax: (90-212) 482 08 78

**Mindray Medikal Teknoloji Istanbul Ltd. Sti. Branch Office Ankara**  
TÜRAN GÜNES BULVARI ALEKSANDER DÜBÇEK CAD. NO:18/A  
ÇANKAYA/ANKARA, TÜRKİYE  
Voice: (90-312) 441 96 92  
Fax: (90-312) 441 96 93

**Mindray Medical Vietnam Co.,Ltd.**  
Unit 2, 4th Floor, "B" Building, Broadway Office Park,  
102 Nguyen Luong Bang Blvd., Tan Phu Ward, Dist. 7, HCMC, Vietnam  
Voice: (84) 8 5413-6970  
Fax: (84) 8 5413-6971

**Mindray Medical Thailand Limited**  
1768 Thai summit Tower Room 407, 4th floor, New petchaburee Road,  
Kwaeng Bangkokpi, Khet Huai Khwang, Bangkok 10320, Thailand  
Voice: (66) 2652-7288  
Fax: (66) 2652-7266



# HyLED 8600

LED Surgical Lights

NEW

Mindray Building, Keji 12th Road South, High-tech Industrial Park, Nanshan, Shenzhen 518057, P.R. China Tel: +86 755 8188 8998 Fax: +86 755 26582680 E-mail: intl-market@mindray.com www.mindray.com <b>Mindray is listed on the NYSE under the symbol"MR"</b>	<b>mindray</b> is a trademark of Shenzhen Mindray Bio-Medical Electronics Co., Ltd. ©2013 Shenzhen Mindray Bio-Medical Electronics Co., Ltd. All rights reserved. Specifications subject to changes without prior notice. P/N:ENG-HyLED 8600-210285x12-20130423	

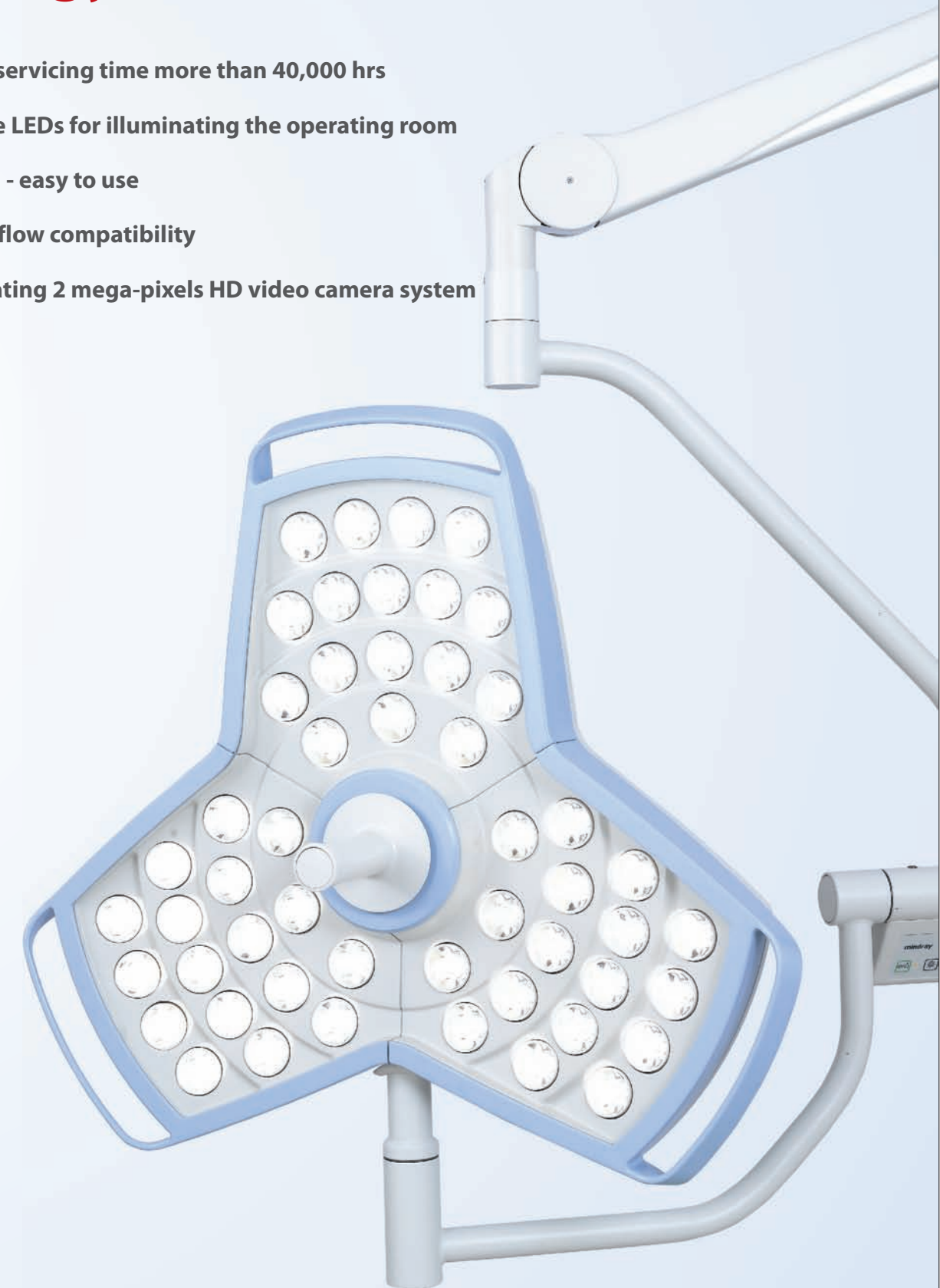
**mindray**  
healthcare within reach





## 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

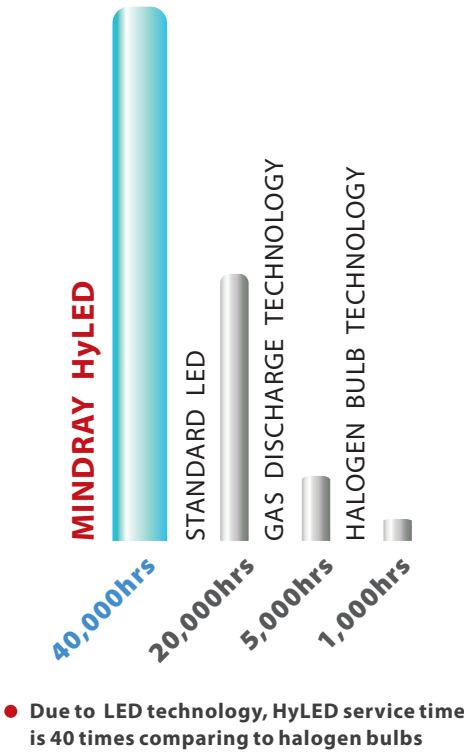
One of the main features of LEDs is their potentially very long life.

### 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.



## 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**



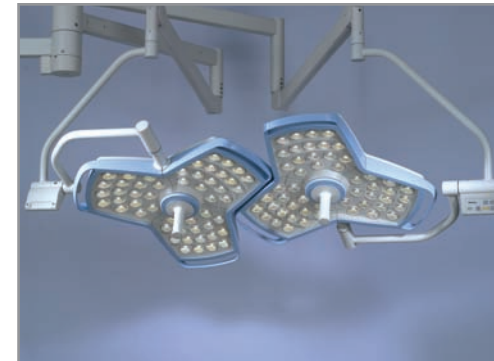


## HyLED 8600

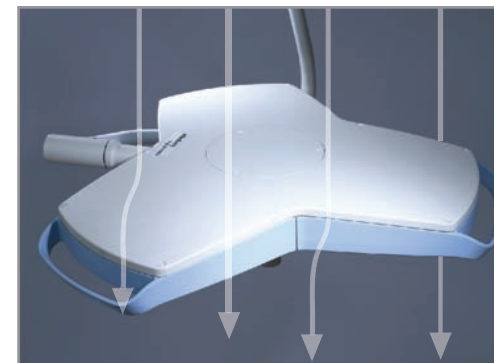
LED Surgical Lights

## 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



Romote panel of camera (optional)

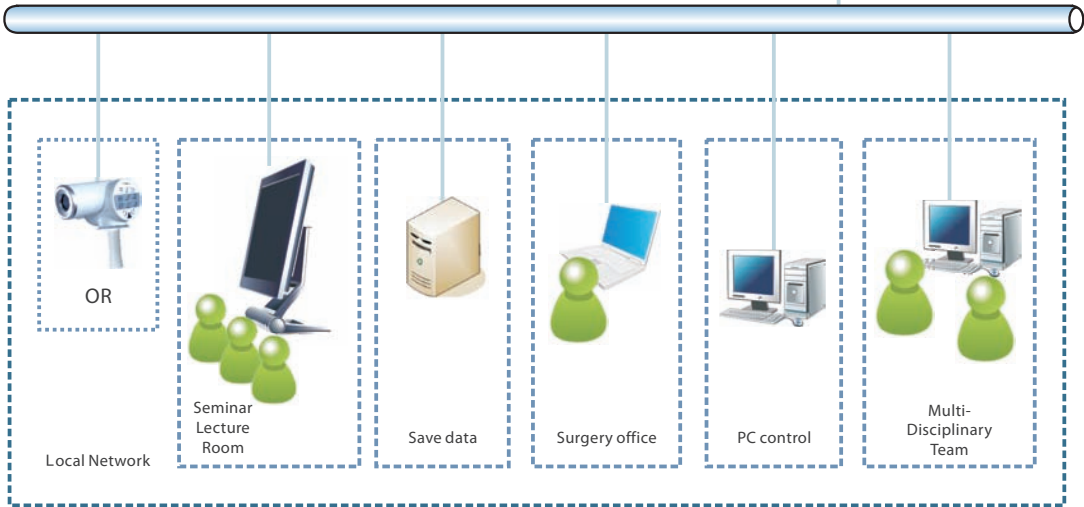
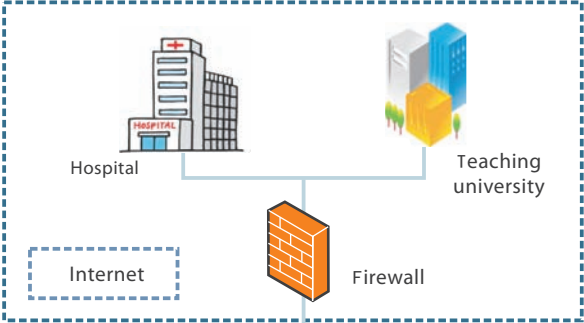
Carrier Arm Camera	
Picture Elements	2 Mega-Pixels HD Camera
Optical Zoom	10X (f=5.1-50.1mm, F=1.8-2.1)
Digital Zoom	12X(120X with optical zoom)
S/N Ratio	>50dB
Electric shutter	½-1/10,000s
Video Output	Component



Wall control panel, camera control is optional

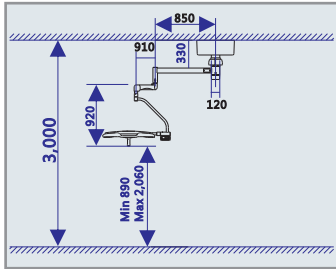
Modern medicine, to a large extent, depends on interdisciplinary exchanges of diagnostic data and expert opinions. Therefore, an integrated data transmission system that delivers information beyond spatial limitations has become an indispensable part of the future-oriented healthcare institutions.

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

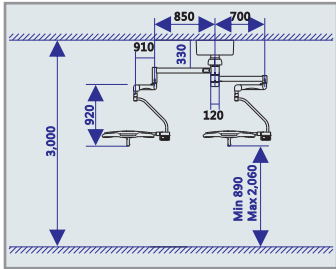


# Technical Data

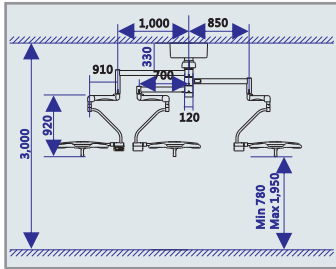
## Combination of HyLED 8600



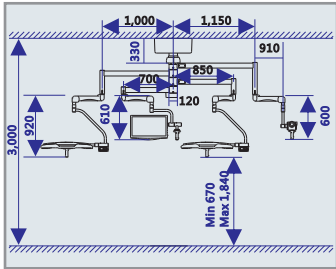
HyLED 8600, single version



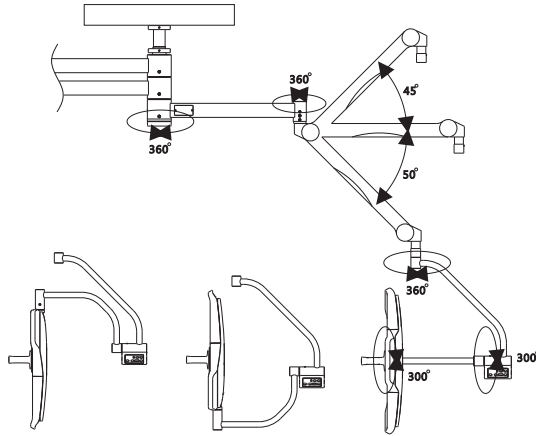
HyLED 8600+8600, double version



HyLED 8600+8600+8600, triple version



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



## Technical Specifications

	HyLED 8600
Central illuminance (at 1 m distance)	150,000 lx
Light field diameter(at 1 m 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 <sup>2</sup> *lx
Ambient illumination	12,000 lx
Number of LEDs	51
Diameter of lighthead	670mm
Service life of bulb	≥40,000h
Max. power consumption of all light sources	80w
Power supply	100VAC~240VAC,50/60Hz
Dimming Range	8~100%
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 !

