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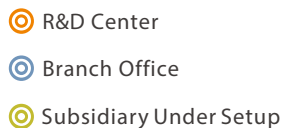
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MRB019V121



HyLED 7 Series

LED Surgical Lights



mindray
healthcare within reach

Efficient & Economic
Original & Unique

>>>>>>



A New Generation Surgical Light

HyLED 7 Series



Efficient & Economic

- Incredible long service time up to 60,000 hours
- Central Illumination: 160,000 lux/130,000 lux
- Adjustable light field diameter
- Max. depth of Illumination : 1,200 mm
- Low power consumption

Original & Unique

- Perfectly integrated into laminar flow (Certified per DIN-1946 Part 4)
- Touch screen panel for easier control
- 330°rotatable integrated HD/SD camera
- Ultra-thin design & excellent maneuverability
- Ergonomic and compact design less than 12kg

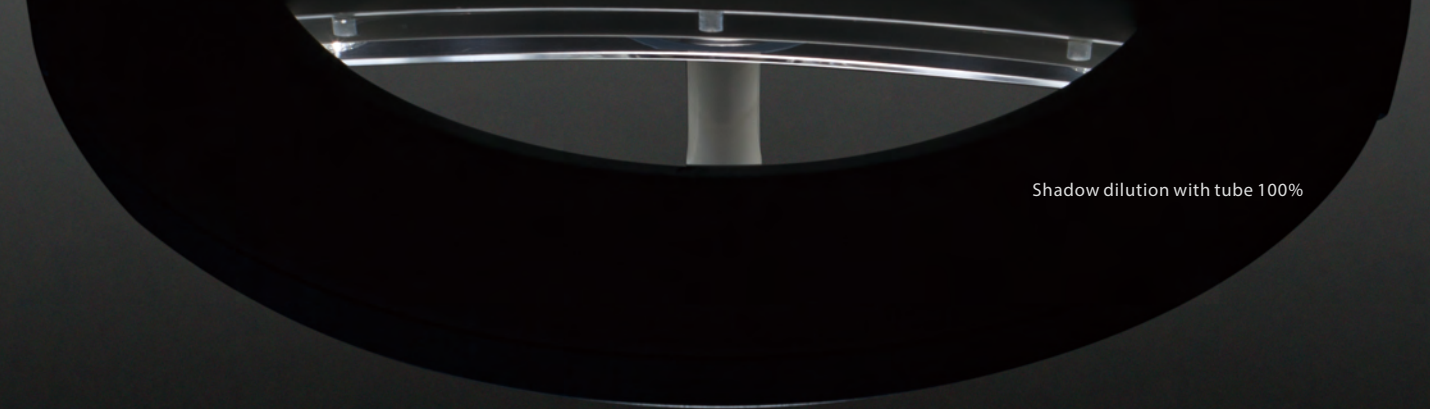


High Performance

Incredible 60,000 hours service time
 Natural "cold light" with no infrared components.
 With a minimum lifetime of 60,000 hours, each latest generation
 LED illuminates far longer than traditional light sources .

Easier and less costly maintenance
 Each LED bulb with individual circuit can be replaced respectively,
 which will minimize the maintenance cost.

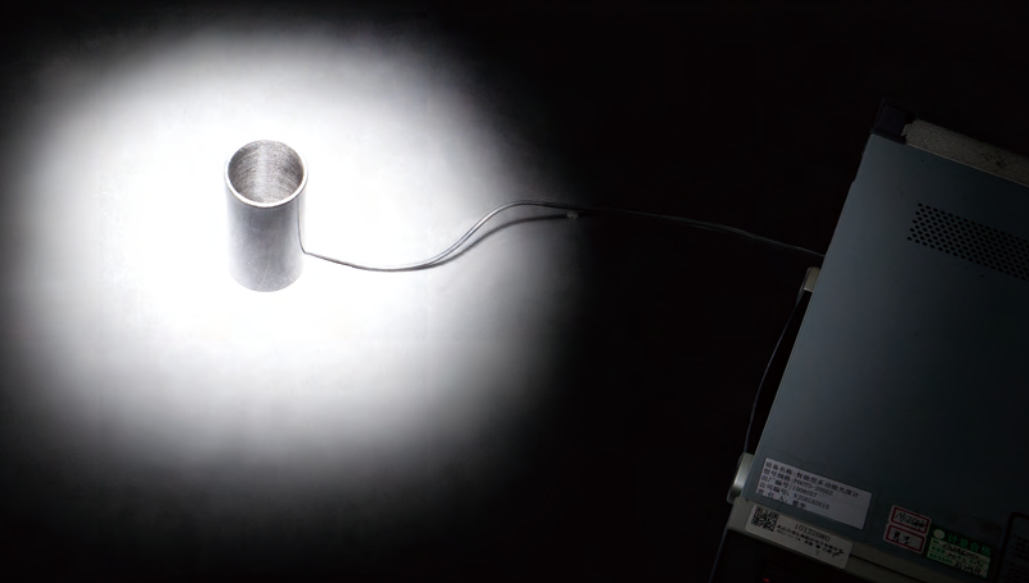
60,000 hours



Shadow-free

The HyLED 7 Series surgical light inherits the advanced
 technology from the HyLED 9 series and shows excellent
 shadow management function.

The professional shadow dilution experiment simulated
 extreme situations by using tubes and masks proved that
 Mindray HyLED 7 Series surgical light has sufficient
 illumination even in extreme situations.



Shadow dilution with
 one mask 75%



Shadow dilution with tube and
 one mask 70%



Shadow dilution with
 two masks 55%

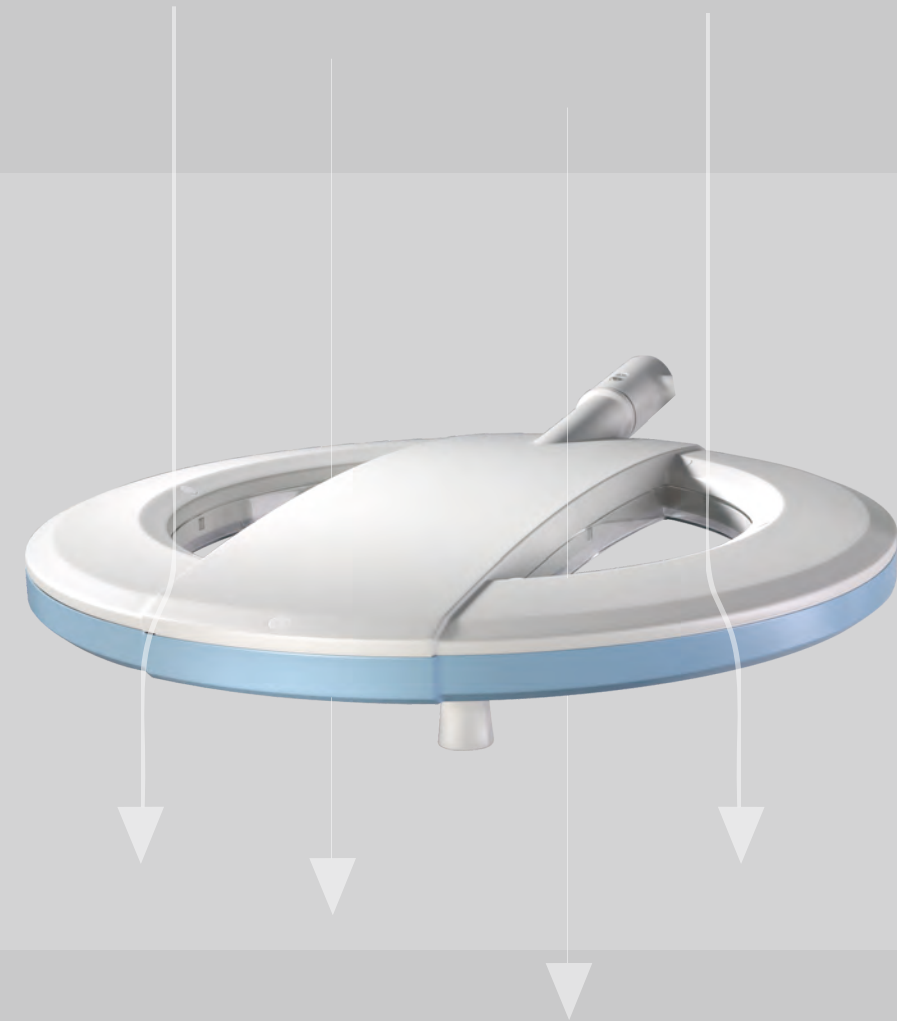


Shadow dilution with tube and
 two masks 50%

Ergonomic and Compact Design

Perfectly Integrated Into Laminar Flow

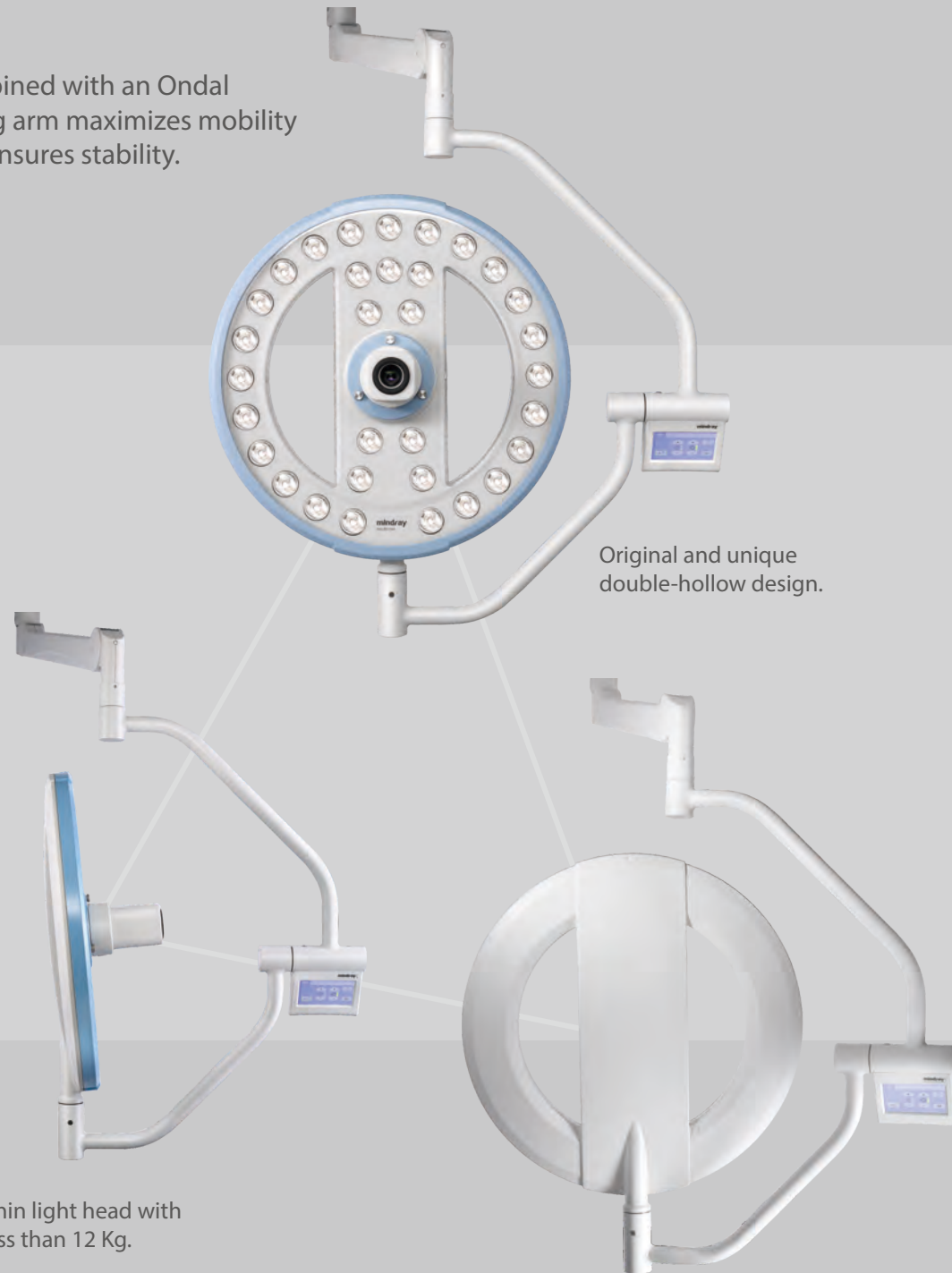
The ultra-thin concentrically circular design for better hygiene



The design minimizes the turbulence, and allows better sterile conditions.

DIN-1946 Part 4 certificated. (12-2008)

Combined with an Ondal spring arm maximizes mobility and ensures stability.



Original and unique double-hollow design.

Smooth, metal back cover of the light head.

Ultra-thin light head with only less than 12 Kg.



Camera System for Communication

The camera system provides better communication and documenting solutions.

The camera system integrated with the surgical lights also provides a platform for medical research purpose, teaching communication and video documenting.

Carrier Arm Camera/Integrated Camera	
Picture Elements	Two Mega Pixels 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

Integrated SD Camera	
Picture Elements	400,000 Pixels
Lens	28zoom=3.5mm(WIDE) to 98.0mm(TELE),F1.35p to F3.7
Digital Zoom	12 x (324 x with optical zoom)
S/N Ratio	50dB
Electric shutter speed	1/4-1/10,000 sec
Video Output	FBAS(Composite Video)

Centrally-located standard definition camera with 330°



Digital video recorder

- Supporting external USB storage device
- Supporting HDMI/YPbPr/HD-SDI/DVI-D/VGA input signal
- Default with camera control function
- Supporting video recording from other medical devices source



Easy and Intuitive Control



Traditional control panel

- Wall control
- Remote controller for camera

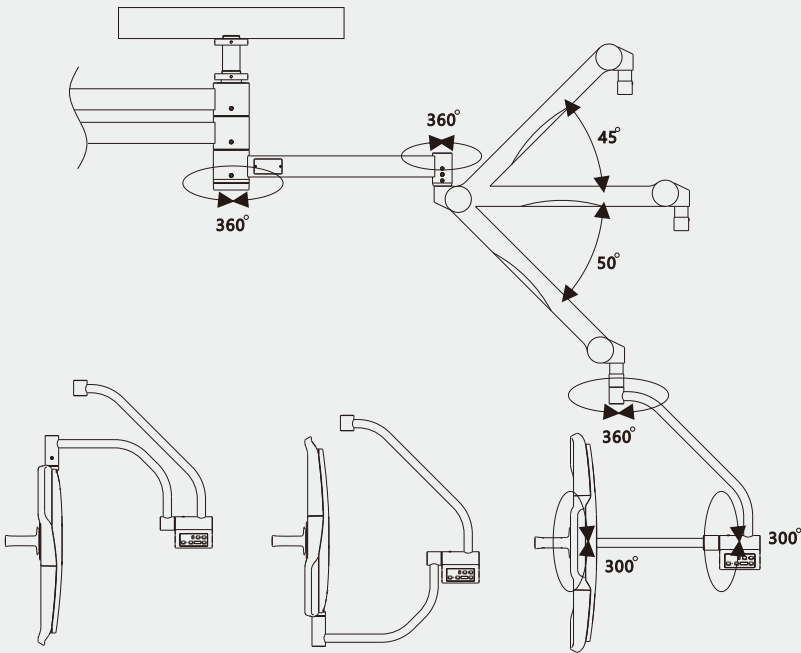
Touch screen panel (optional)

Several functions can be adjusted electronically through the touch screen panel:

- Switch on/off
- Illumination intensity
- Light field diameter
- Ambient mode for endoscopy
- Cameral control

Technical Specifications

	HyLED 760	HyLED 730
Central illuminance(at 1m distance)	160,000 lux	130,000 lux
Light field diameter(at 1m distance)	180~300 mm	180~270 mm
Depth of illumination(L1+L2)	1,200 mm	1,200 mm
Correlated color temperature	4,350 K	4,350 K
Color rendering index(Ra)	96	96
Color rendering index(R9)	97	97
Shadow dilution with tube	100%	100%
Shadow dilution with one mask	75%	70%
Shadow dilution with tube and one mask	70%	65%
Shadow dilution with two masks	55%	55%
Shadow dilution with tube and two masks	50%	50%
Ambient illumination	8,000 lux	6,500 lux
Service life of bulb	>60,000 h	>60,000 h
Bulb power consumption	85 W	65 W
Power supply	100~240 VAC, 50/60 Hz	100~240 VAC, 50/60 Hz
Number of LED bulbs	32	24
Dimming range	5~100%	5~100%
Light head dimension	600 mm	600 mm
Integrated Camera	Optional	No
Carrier-arm Camera	Optional	Optional





Mindray OR Total Solution

All the advanced and reliable facilities from Mindray technology are perfectly matched to customize your needs and provide total support.