

HyLED C series



Optical Performance	HyLED C8	HyLED C7	HyLED C5
Lightsource type	LED		
Illumination level - maximum lux levels at 1m:	160,000 lux in ten levels	140,000 lux, 160,000 lux (Boost) in ten levels	130,000 lux, 160,000 lux (Boost) in ten levels
M-Field (Only for Touch Screen Control)	3,000 lux, 60 cm		/
MIS lighting (Only for Touch Keypad)	8,000 lux		
Dimming range	20%-100% dimmer by control panel		
Field Size(D10):	140-300 mm in five levels	140-300 mm in five levels	140-270 mm in five levels
Light field(D50/D10)	60%		
Shadow dilution: single mask and one lateral mask	76%		71%
Shadow dilution: one lateral mask and cavity	71%		66%
Shadow dilution: cavity	100%		
Shadow dilution: double masks	56%		
Shadow dilution: single mask	60%		
Shadow dilution: single mask and cavity	55%		
Shadow dilution: double mask and cavity	51%		
Number of bulbs/LEDs	52(with M-Field)/ 48 (without M-Field)/LEDs	39(with M-Field)/ 36(without M-Field) LEDs	24 LEDs
Life(hrs):	60000 hours for LEDs		
Colour Temperature (K):	Standard : 4350k Optional : Five ranks for variable color temperature 3,500/3,700/4,000/4,350/5,100K		
Colour rendering index:	Ra: 99		
Colour rendering index - R9 value:	R9: 97		
Depth of illumination (20%)	1200mm		
Depth of illumination (60%)	600mm		
Depth of illumination (20%) (under large light field)	1400 mm		1300 mm
Depth of illumination (60%) (under large light field)	900 mm	800 mm	700 mm
Optic design:	Multi-Patch Superposition Technology(MPST), which generates a homogeneous light field even blocked by surgeon's head.		
Anti-flicker design:	Yes		

Video Solutions	HyLED C8	HyLED C7	HyLED C5
Video camera:	FHD (integrated/carried arm)/4K (carrier-arm)		
Wireless camera (FHD)	√	√	×
Recommended recording device for camera:	Mindray video recorder		
Location of camera:	in the center of the light head or on a separate arm		
Power Supply Specifications	HyLED C8	HyLED C7	HyLED C5
Power Consumption of Light Sources (at the Minimum Light Field and Highest Illuminance Level)	40W	30W	
Power consumption (W/VA):	HyLED C8: 80W, 170VA HyLED C7: 70W, 170VA HyLED C5: 55W, 170VA HyLED C5/C5: 110W, 312VA HyLED C7/C5: 125W, 312VA HyLED C8/C5: 135W, 312VA	HyLED C7/C7: 140W, 312VA HyLED C8/C7: 150W, 312VA HyLED C8/C8: 160W, 312VA HyLED C5/C5/C5: 165W, 456VA HyLED C7/C5/C5: 180W, 456VA HyLED C8/C5/C5: 190W, 456VA	HyLED C7/C7/C5: 90W, 456VA HyLED C8/C8/C5: 110W, 456VA HyLED C7/C7/C7: 210W, 456VA HyLED C8/C7/C7: 220W, 456VA HyLED C8/C8/C7: 230W, 456VA HyLED C8/C8/C8: 240W, 456VA
Power Supply Specifications	HyLED C8	HyLED C7	HyLED C5
Maximum irradiance at 1m:	530 W/m2		
Heat-to-light ratio, mW/m2.lx:	3.5 mW/(m2.lx)		
Supply Voltage VAC:	100VAC-240VAC, 50/60Hz for power supply 24V for LED bulbs		
Backup Power System	12V DC×2, 15Ah, lead-acid battery,optional		
Backup Power System Runtime	8.5h (at level-6 illuminance)	9.5h (at level-6 illuminance)	
Others	HyLED C8	HyLED C7	HyLED C5
Type(s) of Mounting:	Ceiling mounted and mobile version also available		
Types of Light head and spring arm combinations:	Single, dual or triple lighthead		
Controls On Multi-functional handle	light field size , illuminance adjustment , colour temperature and M-Field or MIS lighting mode		
Sterilizable handle material/ composition:	PPSU,1000 times		
Minimum ceiling height, cm:	Minimum 2500cm for double lights from decorative ceiling to the floor		
Lighthead dimension:	≤650 mm		
Lighthead weight:	14.5kg	13.5kg	13kg
Lighthead protection:	IP55		
Green Features:	All with ROHS required material Antimicrobial coating on the surgical light		
Additional Features:	Ultra small light eld(14cm), more focus to small surgical cite and less glare. Specialist illumination modes, easy mode switch for dierent surgery scenes. Sync, If you adjust the color temperature or illuminance of any lighthead, other lightheads will change synchronously. Note: In the configuration, if C8 lighthead and touch screen are selected, Specialist illumination modes and Sync is standard.		
Rotational range:	refer to the following picture		
Adjustable swivel arms	700mm~1150mm		
the scenario in which 330° OR 360° applies	360°: The configuration with stopless lighthead 330°: The configuration with non-stopless lighthead /display arm / carrier-arm camera		
Vertical adjustment range:	The maximum movement angle of the spring arm is at least up to 45°and down to 50°, and the maximum movement range of the horizontal arm & spring arm is at least 1,610 mm		

Degree of Rotation/Reach

