

		HyLED C50 VET
Optical Performance	Lightsource type	LED
	Illumination level - maximum lux levels at 1m:	160,000 lux
	M-Field	7
	MIS lighting	8,000 lux
	Dimming range	20%-100% dimmer by control panel
	Field Size(D10):	140-270 mm in five levels
	Light field(D50/D10)	60%
	Shadow dilution with one lateral mask	71%
	Shadow dilution one lateral mask and cavity	66%
	Shadow dilution with tube	100%
	Shadow dilution: double mask	56%
	Shadow dilution: double mask and cavity	51%
	Number of bulbs/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%) (under large light)	1300 mm
	Depth of illumination (60%) (under large light)	700 mm
	Focus	Auto focus
Optic design:	Multi-Patch Superposition Technology(MPST), which generates a homogeneous light field even blocked by surgeon's head.	
Anti-flicker design:	Yes	
Video camera:	FHD (integrated/carried arm)/4K (carrier-arm)	
Wireless camera (FHD)	x	
Video Solutions	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	Power consumption of light source (W):	30W
	Maximum irradiance at 1m:	530 W/m <sup>2</sup>
	Heat-to-light ratio, mW/m <sup>2</sup> lx:	3.5 mW/(m <sup>2</sup> 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	6h (at level-6 illuminance)	
Others	Type(s) of Mounting: Types of Light head and spring arm combinations:	Ceiling mounted and mobile version also available Single, dual or triple lighthead
	Controls On Multi-functional handle	light field size, illuminance adjustment, colour temperature and 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:	13kg
	Lighthead protection:	IP55
	Green Features:	All with ROHS required material Antimicrobial coating on the surgical light
	Additional Features:	Ultra small light field(14cm), more focus to small surgical cite and less glare. Specialist illumination modes, easy mode switch for different surgery scenes.
	Rotational range:	refer to the following picture
Vertical adjustment range:	refer to the following picture for 3m height	
UI		

Degree of Rotation/Reach

