

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 diherent 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

