

Advanced Operation Theater Light



CONSTELLA

SURGICAL LIGHTING

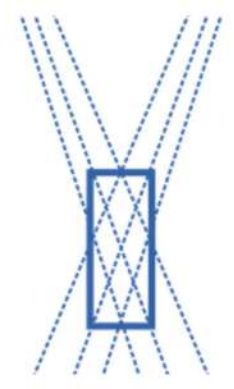
The Definitive OT Light — Engineered for the Future.

CONSTELLA

“The complex parameters of surgical lighting are merged as harmoniously as the constellation of planets and stars in the Galaxy”

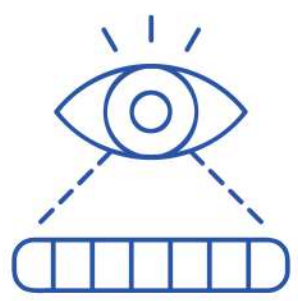


PURPOSE-BUILT CAPABILITIES



High Depth of Illumination

Delivers powerful and uniform light, ensuring clear visibility and enhanced depth across the cavity.



Adjustable CCT & FOCUS

Smart LED design with adjustable color temperature and focus modes to ensure optimal lighting for all surgeries.



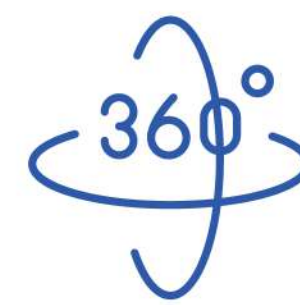
Compact & Streamlined Design

The shape of light has modern aesthetic, aerodynamics and ensures visual comfort by reducing obstruction.



Sterile Handle Control (Optional)

Allows surgeon for controls from sterile handle during procedures maintaining hygiene in the sterile field.



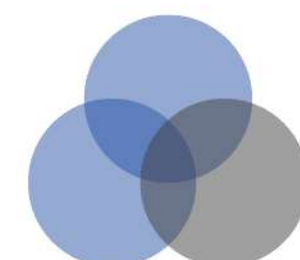
Effortlessly 360 Maneuvering

Lightweight suspension and spring balance mechanism ensure effortless all-axis positioning.



Cool Functioning

Energy-efficient LED technology minimizes heat generation, ensuring comfort for the surgeon.



True-to-life colors

Delivers near-perfect color accuracy and saturation with natural white light, enhancing tissue differentiation and vibrancy across full spectrum.



Auto Shadow Management (Optional)

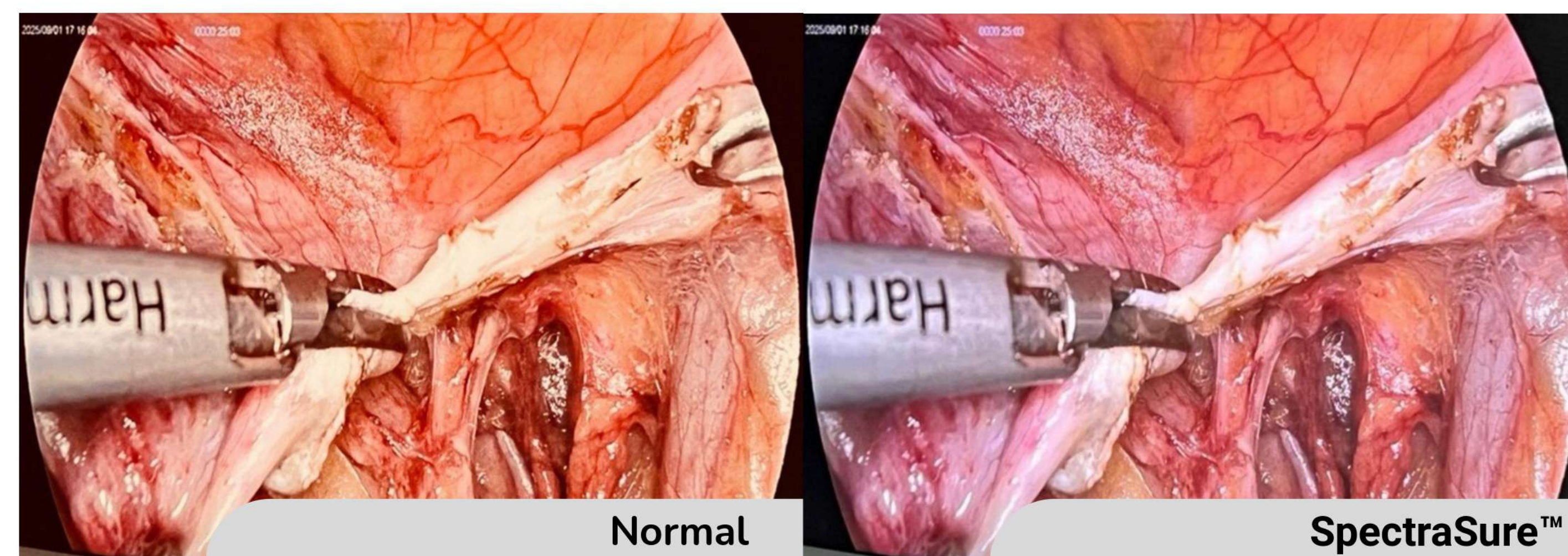
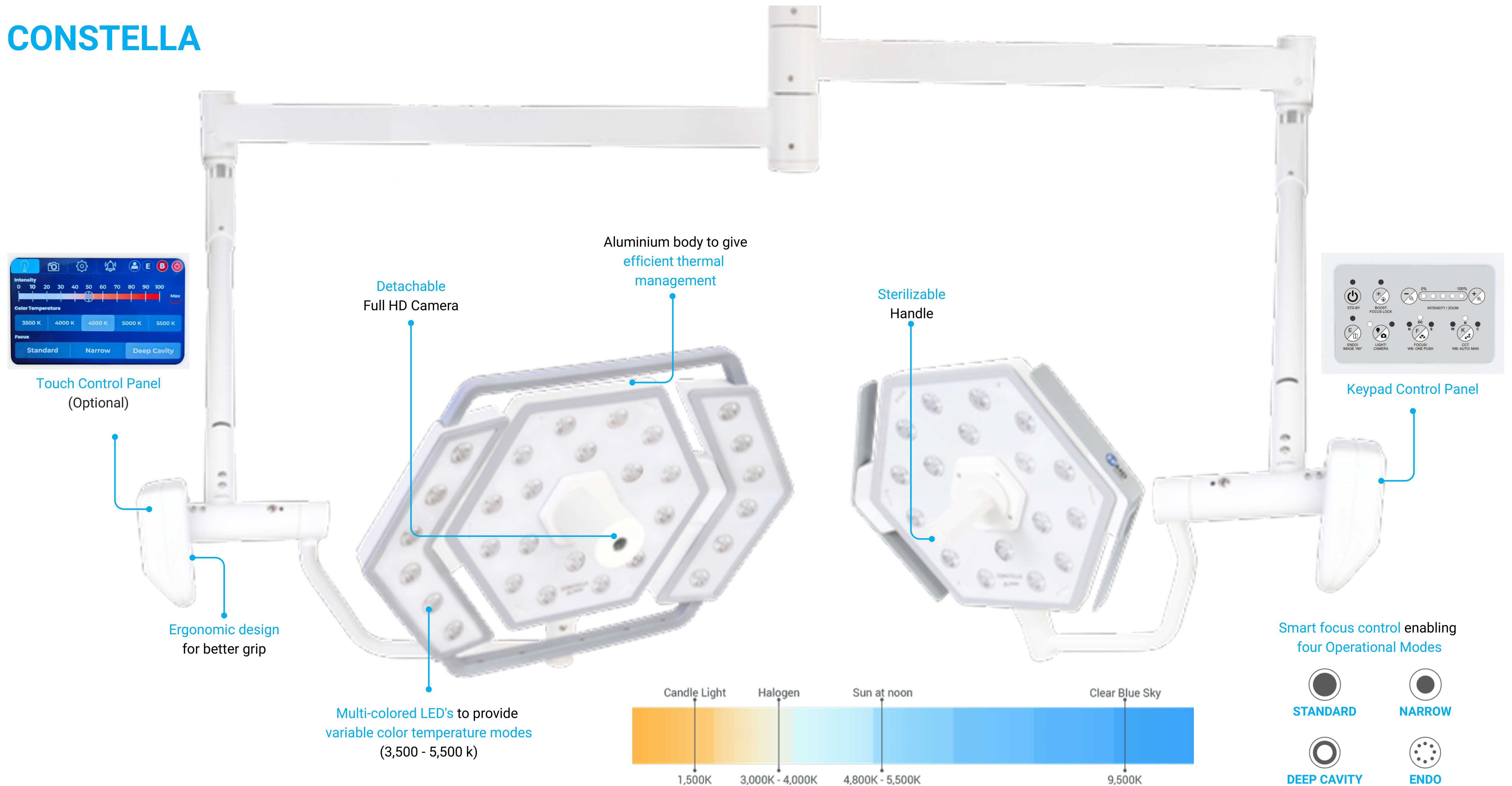
Automatically adjusts lighting to minimize shadows and optimize light intensity based on real-time sensor detection.



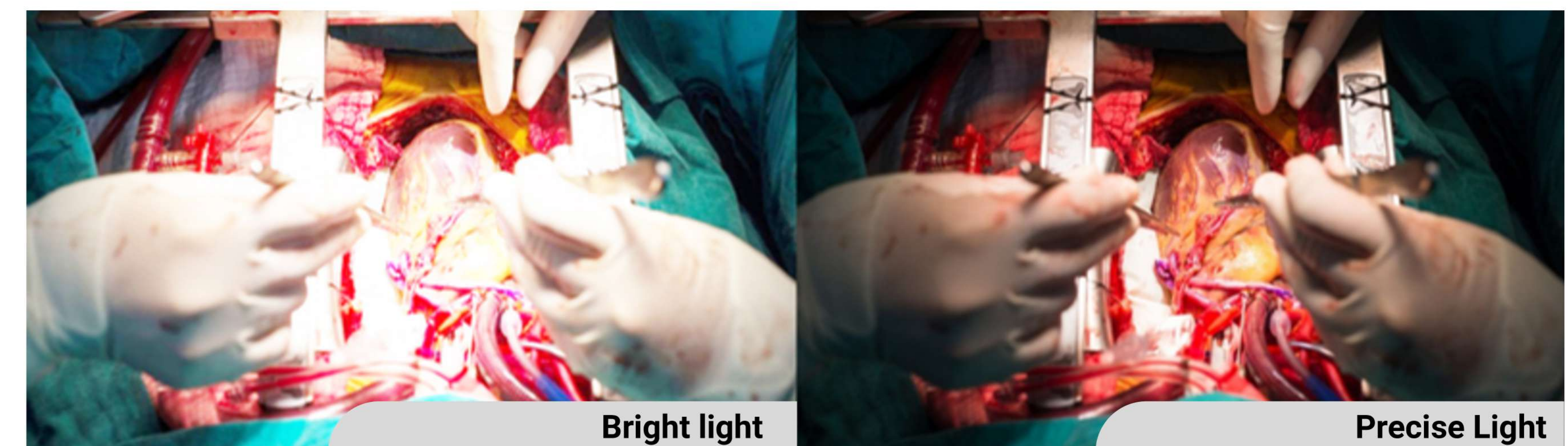
SeraLux™

Integrated ambient calming light system for patient and user comfort

CONSTELLA



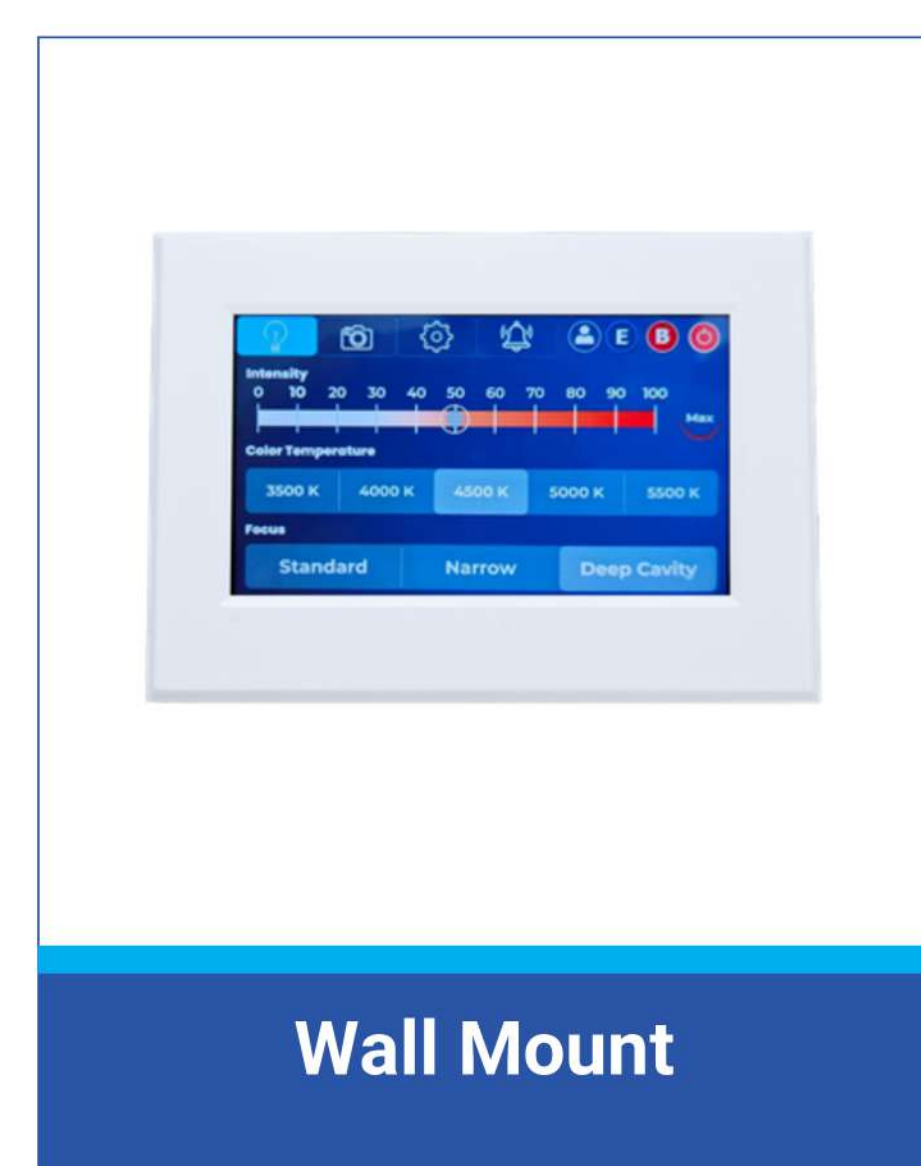
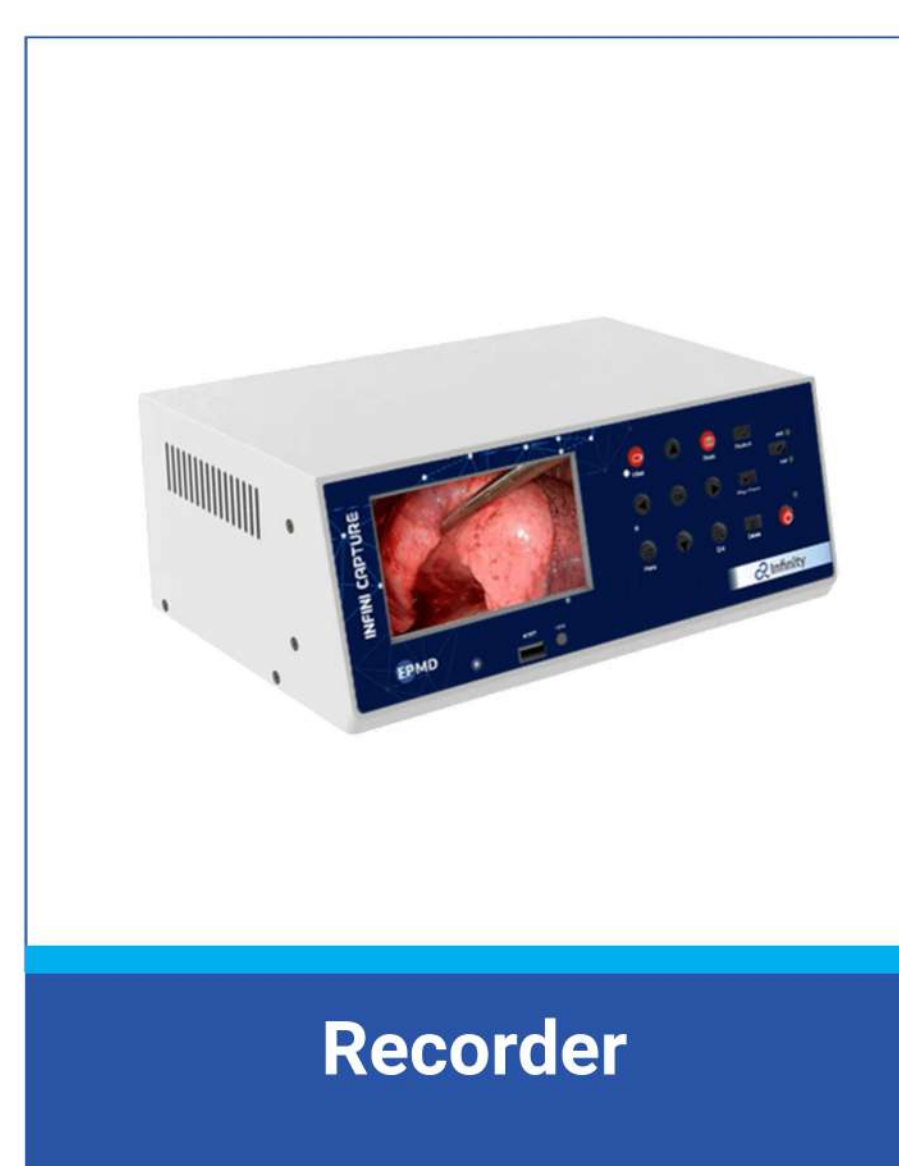
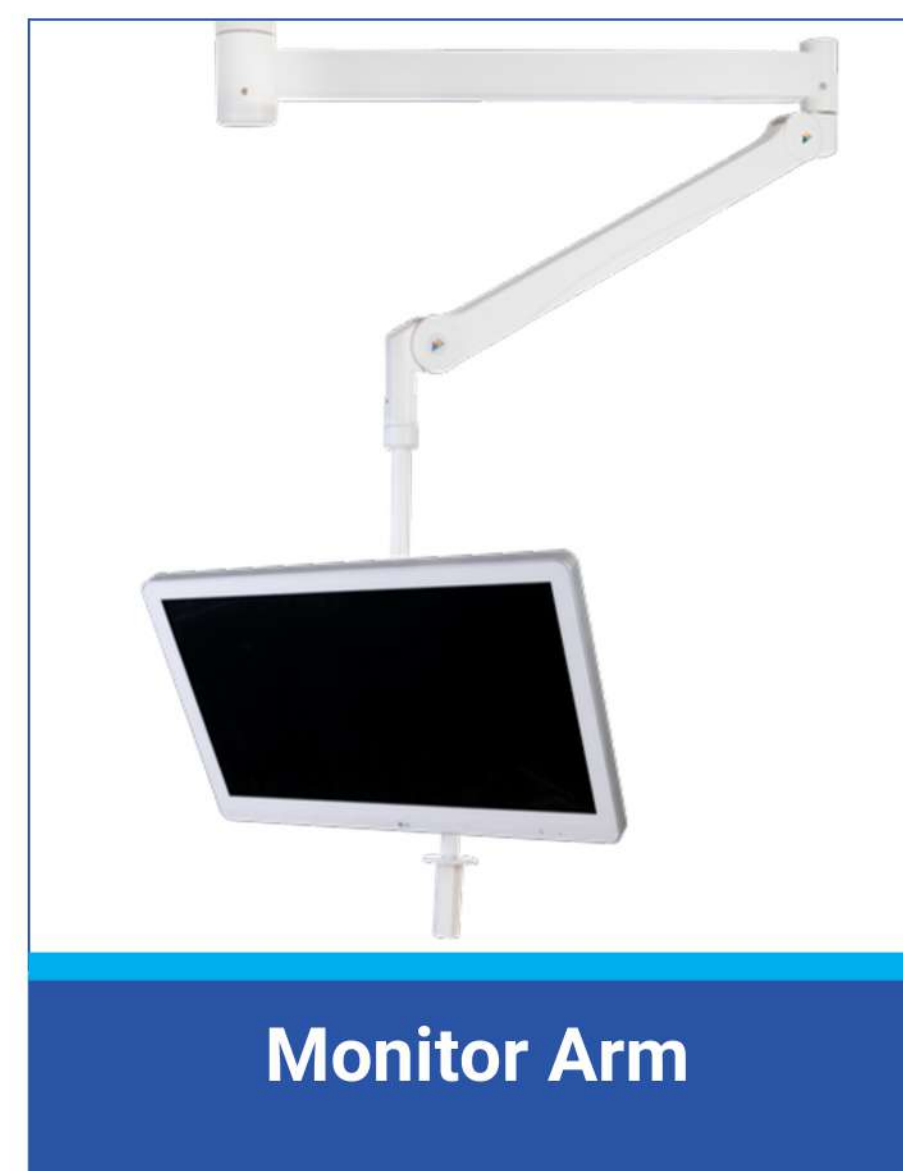
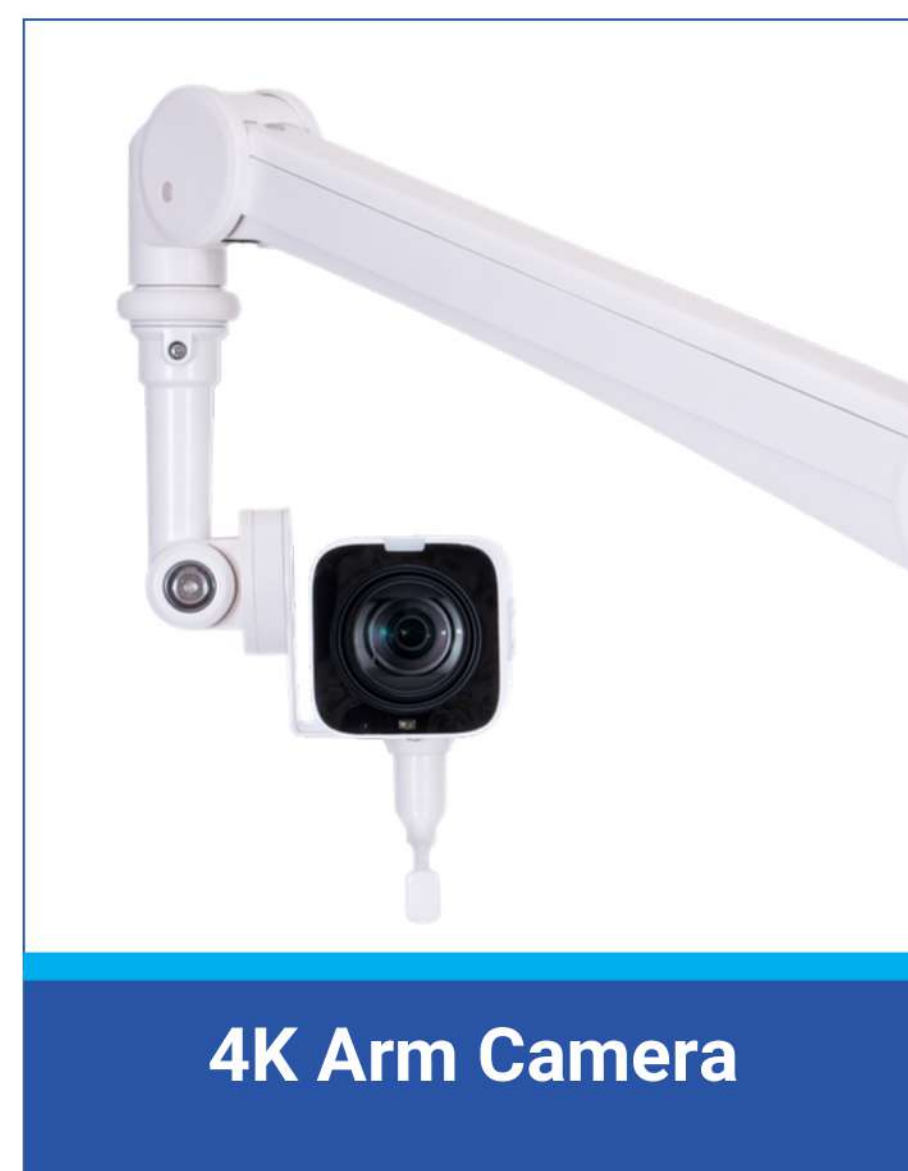
SpectraSure™: High-fidelity illumination for true-to-life color



CONFIGURATIONS



ACCESSORIES



SPECIFICATIONS:

CONSTELLA LIGHTHEAD		
OPTICAL PARAMETERS	CONSTELLA-C	CONSTELLA-D
Max. Central illumination at 1m distance	1,60,000 lux	1,60,000 lux
Light field diameter at 1m (d50-d10)	150mm - 300mm	150mm - 300mm
Light head diameter	520mm	720mm
Depth of illumination at 20% (L1+L2)	1100mm	1200mm
Depth of illumination at 60% (L1+L2)	700mm	650mm
Correlated Color Temperature (CCT)	3500K – 5500K	3500K – 5500K
Color Rendering Index (CRI)	96(boost upto 99)	96(boost upto 99)
Power consumption	45 W	55 W
Focus Mode*	Variable	Variable
Dimming Range	0 – 100 %	0 – 100 %
No. of LEDs	18	30
Service life of LEDs	60,000 hrs.	60,000 hrs.
Supply Voltage	230V±10% 50Hz±5%	230V±10% 50Hz±5%
Power Supply unit	24V DC ± 10%, 4.2A max	24V DC ± 10%, 4.2A max
Operating Temperature	5°C - 40°C	5°C - 40°C
Humidity	10% - 90%	10% - 90%

NOTE: CRI: CUSTOM DEVELOPMENT
The specifications mentioned above can be used for single, double, triple and mobile versions of Constella series. All values confirm to IEC 60601-2-41 & are subject to a general industrial tolerance ± 5% In accordance with the IEC 60601-2-41 standard, the maximum illuminance must not exceed 160,000 lux.
Camera Light head power consumption : Approx. 6W (Extra)
*Focus Mode: **Variable** = Standard, Narrow, Deep Cavity & Endo mode.

CAMERA		
CAMERA PARAMETERS	10x FULL-HD CAMERA	30x FULL-HD CAMERA
Image Sensor	1/2.8-type CMOS (Progressive Scan)	1/2.8-type CMOS (Progressive Scan)
Effective number of Pixels	5.14 M Pixels	2.13 M pixels
Signal system(HD)	720p, 1080p	720p, 1080p
Video Output	SDI / HDMI	SDI / HDMI
Zoom	10X Optical, 16X Digital	30X Optical , 12X Digital
White Balance	Auto, Manual, One push	Auto, Manual, One push
Exposure, Focusing system	Auto, Manual	Auto, Manual
Signal to noise ration	More than 50dB	More than 50dB
Aperture	F 1.8 -3.4	1.6 to 4.7
Power	4.4 W	5 W



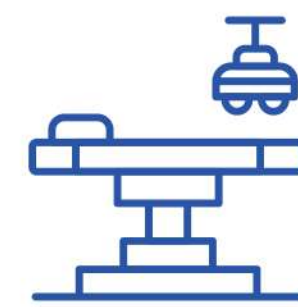
ECLIPSE PRISM
MEDICAL DEVICES



30+ YEARS
MEDICAL DEVICE
MANUFACTURING EXPERIENCE



50+
MEDICAL DEVICES



10,000+
OPERATING
ROOMS



10 Million
ACTIVE USERS

Our Brands



Certifications and Compliances

ISO 9001:2015



ISO 13485:2016



ICMED 13485



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