

Technical Specifications of **Shalya iLUX** Series LED OT Light

Parameter	iLUX 40	iLUX 20	iLUX 10	iLUX 12
Max light intensity	160 000 lux	160 000 lux	160 000 lux	120 000 lux
Dimming Range	25-100%	25-100%	25-100%	25-100%
Field Diameter(spot)	150-300mm	150-300mm	150-300mm	150-300mm
D10	300mm	300mm	300mm	300mm
D50	160mm	160mm	160mm	160mm
Focal depth (L1 + L2) EN 60601 v2008 (60%)	650mm	650mm	600mm	600mm
Focal depth (L1 + L2) EN 60601 v2003 (20%)	1200mm	1200mm	1000mm	1000mm
Color Temperature	3500-5000K	3500-5000K	4000K	4000K
CRI (Ra)	≥95 (3500 K)	≥95 (3500 K)	>94 (4000 K)	>94 (4000 K)
R9	≥98 (3500 K)	>94 (3500 K)	>90 (4000 K)	>90 (4000 K)
LED's Life time	>60,000 hrs	>60,000 hrs	>60,000 hrs	>60,000 hrs
No. of LED	72	48	24	18
Endoscopic mode	5% Dimming	5% Dimming	5% Dimming	5% Dimming
Camera	HD Camera	HD Camera	HD Camera (Optional)	NA
Power Consumption	120 W	100 W	80 W	50 W
Lamp head diameter	680mm	680mm	590mm	495mm
Focusing	Electronic	Electronic	Electronic	Electronic
Centralized Control	Available	Available	Available	NA
Obstacle Sensing	Optional	Optional	NA	NA

Combinations of **Shalya iLUX** LED OT Light

Single Dome	Fixed Colour: 12-M/W/O, 10-M/W/O, Two Colour: 20-M/W/O, Four Colour: 40-O	
Fixed Colour	10-10 (Camera Optional), 12-10, 12-12	Options: M=Mobile, W=Wall,
Two Colour	10-20, 20-20 (Camera Optional)	O= Central Axis 360°, C=Camera, D=Display/Monitor
Four Colour	20-40, 40-40 (Camera Optional)	CA=Camera Arm, DA= Display Arm

Features of **Shalya iLUX** LED OT Light

- Light head control touch panel.
- Synchronized or separate control of light domes.
- Pulse width Modulation control of LEDs for less heating.
- Radiant energy is <math>< 3.2\text{mW}/\text{lm}^2</math> with increased light life.
- No change in Light color output throughout life cycle.
- Temperature rise at the surgeon head level is <math>< 2^\circ\text{C}</math>.
- Electronic focusing for changing the lighting field diameter.
- High power LEDs provides high lumen to watt ratio with less energy.
- High CRI & R9 for critical super specialty surgical applications.
- Indicative alarm with failed module no. for easy replacement.
- Obstacle sensing to maintain the intensity without temperature rise.
- Detachable centrally mounted Full HD camera with wireless technology.
- Video control unit with full HD Recording & Live transmission.
- Two way audio transmission with video conferencing.
- Laminar flow friendly, ensure air flow from ceilings to sterile field.
- Sterilizable/ detachable light control handle.
- Efficient design with LEDs directly mounted on aluminium body.
- Remote control & Wall mount control is Optional (not available in iLUX 12)
- Product Compliance to IEC60601-1, IEC60601-2, IEC60601-2-41, IEC60364-7-710



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