

SlimLED Plus

An Ultra Compact LED Surgical Light



Superior Lighting Performance

SlimLED Plus surgical light system (SlimLED Plus) offers cool, natural white light and shadow-free illumination to the surgical field thanks to its high-efficiency light-emitting diodes (LEDs). The system's consistent color temperature of 4,300K along with a CRI value of 95 and an R9 value of 95 helps surgeons to distinguish every subtle shade of tissue color. Each SlimLED Plus lighthouse delivers maximum 160,000 lux high intensity optimizing deep cavity illuminations.



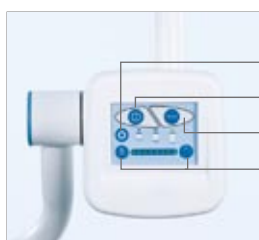
Ergonomic Lighthouse Easy Cleaning

The compact lighthouse of SlimLED Plus can be operated through its sterile handle, non-sterile handles and articulating arms. The sterile handle, positioned in the center of the lighthouse, facilitates lighthouse maneuverability during surgery. The lighthouse enclosure is tightly sealed, which allows easy cleaning.



Intuitive Lighting Control

Users control lighting functions via a standard lighthouse controller or an infrared remote controller. 6 LEDs arrayed in between the two semi-circular lighthouse modules works as ambient lighting during minimally invasive surgery (MIS). Vertical focal length is preset at 3 different distances, allowing the system to meet various surgical needs. Light intensity is adjustable at 8 dimming levels from 40,000 lux to 160,000 lux.



- Focal Length Adjustment
- Surgical Lighting On/ Off
- Ambient Lighting On/Off
- Light Intensity Adjustment

Your Imaging Solutions

SlimLED Plus "A" configuration has a separate suspension arm support for an optional 19" TFT HD LCD display (LA008.01), for displaying medical images from various sources. The optional detachable in-light camera (LA001.25) can be easily installed on any pre-wired SlimLED5C Plus lighthead without the use of any tool.

SlimLED Plus applying LED technology has ultra long LED lifespan of 50,000 hours, thus reduces maintenance and downtime expenditures. It is the economic and eco-friendly alternative in replacing halogen and xenon surgical lights.



3.5" wall-mounted camera controller

Technical Specifications - In-Light Camera & LCD Display

Type	In-Light Camera	Type	TFT HD LCD 19"
Order Number	LA001.25	Order Number	LA008.01
Image Sensor	1/4 type EX-view HAD CCD	Model Name	MDF1900-1AC
Video Signal	SD, NTSC or PAL	Resolution (Pixels)	1280 x 1024
Number of Pixels	380,000 (NTSC)	Dot Pitch (H x V)	0.294 x 0.294 (mm)
	440,000 (PAL)	Contrast Ratio	1300 :1
Lens	Optical 10x zoom f=4.2(WIDE) to 42 mm (TELE) ,F1.8 to F2.9	Brightness (Max.)	300 cd / m ²
		View Angle (H/V)	178° / 178°
		Response Time	< 20 ms
Digital Zoom	4x	Digital Input	DVI-A / DVI-D
Min. Object Distance	10mm(WIDE end), 1000mm(TELE end)	Analog Input	VGA (D-sub 15 pin x1)
		Analog/Digital Output	N/A
Video Signal Output	Composite	Video Input	CV (RCA Jack x1)
Communication Port	RS485		
		Power Input	100-240VAC, 3-1.5A 50/60 Hz DC12V, 6A
		Dimension (W x H x D)	418 x 344 x 82.5 (mm)
		Weight (Net)	5.4 kg
		Mounting	VESA 100 x 100 (mm)

NOTE: For more information, please contact your local Mediland sales professionals.

Configurations & Technical Specifications

Configurations				
SlimLED5 Plus	SlimLED55 Plus	SlimLED5CA Plus	SlimLED55C Plus	SlimLED55CA Plus
SlimLED5F Plus	SlimLED55 F Plus	SlimLED5CAF Plus	SlimLED55CF Plus	SlimLED55CAF Plus

Designations:

5: a SlimLED5 Plus lighthead

5C: a pre-wired SlimLED5C Plus lighthead for in-light camera; with a wall-mounted camera controller

A: a separate suspension arm supporting a flat-panel monitor

F: SlimLED Plus "F" configuration denotes the installation of an optional laminar airflow ceiling finish

Technical Specifications	
Diameter of Lighthead (cm)	major axis:67 minor axis:56
Maximum Light Output Measured in 1m (lux), Ec	160,000
Color Temperature (Kelvin)	4,300
Color Rendering Index (CRI)	95
Red Color Index (R9)	95
Radiant Power / Intensity Ee / Ec (mW / m ² lux)	3.3
Light Field, d10 (cm)	20
Light Field, d50 (cm)	11
Pattern Size(cm)	20
Depth of Illumination - L1+L2 (cm)	110
Number of Bulbs - Surgical Light	80
Number of Bulbs - Ambient Light	6
Bulb Type	LED
Average Bulb Life (hours)	50,000
Power Consumption of the Lighthead (W)	86
Power Input	100-240 VAC, 50/60 Hz

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