



Inspital LED operating lights are designed to meet all lighting and viewing requirements of operating theatres. Powerful LED technology with high-tech camera option helps the surgeons to operate and view the surgery area clearly. LED lights can be adapted in any size of operating theatres including large hybrid types with variety of models & combinations. The light is designed with advanced shadowless technology to minimize obstruction and ensure optimal visibility during procedures.

STANDARDS

Classification	Class 1 (MDD 93/42 EEC)
EU Conformity	CE
Standards	EN 60601-1, EN 60601-2-41

PACKAGE DIMENSIONS

100x120x115 cm - 145 kg

CAMERA SPECIFICATIONS

Full HD Analog Camera

1/3" type CMOS sensor

Full HD 1920x1080p

10x optical zoom

HDMI video output

AutoFocus

MATERIAL SPECIFICATIONS

Lamp Head	Static Painted (RAL 9002) Aluminum / Polycarbonate
Joint Handle	Static Painted (RAL 9002) Aluminum
Sterile Handle	Plastic (ABS + PC)

The handle should be sterilized at 134 °C between 3.5-5 minutes and at 121°C during 10 minutes.

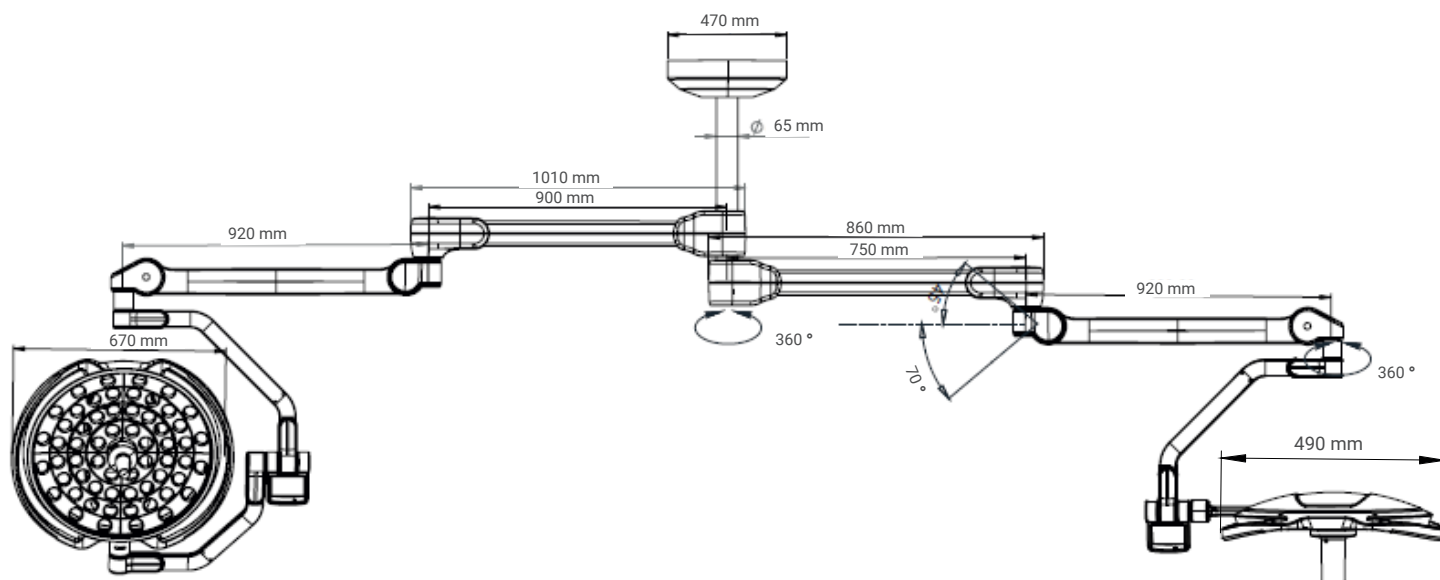
DATA SHEET

Double Head Operating Light with Camera

Model : LD20.52S

TECHNICAL SPECIFICATIONS	MAIN LIGHTHEAD	SATELLITE LIGHTHEAD
Diameter of lighthouse with outer handle	Ø670 mm	Ø490 mm
Illumination power, at 1 m	160.000 Lux	120.000 Lux
Color temperature (adjustable)	3000 K - 5000 K	3000 K - 5000 K
Color rendering index, Ra CRI	96%	96%
Dimming Range (adjustable)	% 1 – 100	% 1 – 100
Light Field Diameter d10	24 - 36 cm/9.5"-14.2"	25 - 27 cm/9.45"-10.63"
Light Field Diameter d50	13 - 28 cm/5.1"-11"	12 - 14 cm/4.7"-5.5"
Number of LED modules	60	28
Lifetime of LED	>60.000 h	>60.000 h
IP	IP 43	IP 43
Total power consumption (max)	130 W	55 W
Degree of turbulence(standard value 37.5% max.)	29%	25%
Irradiance at nominal illuminance	510 W/m2	430 W/m2
UV radiation intensity	0,2 W/m2	0,2 W/m2
Depth of the volume of light L1 + L2 at 20%	130 cm / 51.2"	185 cm / 72.8"
Input Voltage	220-240 VAC / 50-60 Hz	220-240 VAC / 50-60 Hz
Depth of Lightning (L1+L2) at 60%	76 cm/30"	92 cm/36.2"
Weight of lighthouse	13.2 kg	9 kg
Additional options	Wall Control Panel, UPS, Camera	-
Number of lighthouse	1	1

TECHNICAL DRAWING



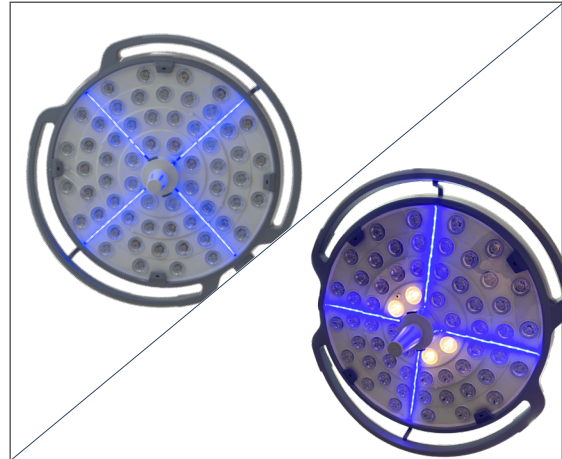
Note: ± 25 mm tolerance is given for metric measurements and $\pm 5^\circ$ tolerance is given for angle measurements.

OTHER SPECIFICATIONS



*** Active Illumination Control (AIC)**

Inspital LED light technology provides the best illumination, even when surgeons are blocking the LEDs. The loss of illumination when certain LEDs are obstructed is automatically compensated by the AIC system.



*** StandBy Mode/ Endo Light Mode**

Stylish blue LED strips in standby mode. Endo light mode can be activated with one touch, switching immediately and ready for endoscopic procedures.



*** Laser Positioning Guide**

Each light head has a laser guide to easily and efficiently position the lighting center.

*** Auto Light Feature**

When the Auto Light feature is activated, the light intensity at the center remains constant at any height, angle or obstacle using the PID method.

* This feature is only available in the main lighthead.



Touch Screen Control Unit

User friendly 4.3" LCD touch screen unit is used to easily control all functions by tapping and swiping the icons.