SI SURGICAL ™

Technology for **Life**

OPERATION THEATRE
LIGHT
CATALOGUE

C€ **ISO9001/13485**

About Us

SI Surgical Corporation, a Kolkata based company brings you medical equipments and hospital furnitures under the brand name SI Surgical.

As one of the most experienced and innovative manufacturing company in Kolkata, "SI Surgical Corporation" carrying a history of almost a decade of innovation, technology, manufacturing and marketing leadership in hospital furnitures and equipments. Today we are spending huge amount of scientific and creative energy on this aspect. SI Surgical Corporation is one such company which has followed the latest trend in medical equipments, furniture and is one step ahead in innovations, quality and services consciousness. The era started in the year 2000 by the name of SI Surgical and changed to SI Surgical Corporation when the company became export & import house.

Today SI Surgical is a full capacity provider of high quality hospital furnitures and equipments for hospital & nursing homes. Now in 2016 SI Surgical Corporation became "SI Surgical Pvt. Ltd"

To retain and reinforce our position as a known manufacturer of medical equipments, furniture and to meet the aspiration of our customers of the corporate world. We have an on line zero defect supply setup back supported by responsive service, empowered employees, vendor partners and a very satisfied customer based.

We the proud "SI Surgical Pvt. Ltd" family vow to strive vigorously to delight our customers who are very sophisticated, by pursuing excellence and innovation through committed team work. Initially we started with marketing of hospital furniture and medical equipments of different brands, but now we established our own brand SI Surgical.

We promise for continuous learning, achievement oriented and ethical business practices, which will make us shine in international level and served as a well known brand. We vow to remain a responsible corporate citizen contributing to the desired comfort level which is today's demand in the world

SI Surgical Pvt. Ltd has acquired ISO 9001:2015, 13485:2003 and for the design, research & development, manufacturer & supply hospital beds, operation theatre table, operation theatre lights, other medical equipments and instruments.

SI SURGICAL PVT LTD

SIS HOUSE

A POPULAR
BRAND
CREATED
SPECIALITY

CERTIFICATE

The Hexa 36, model is innovative LED surgical lights manufacture SI Surgical. The Hexa 36, is Available in single colour temperature.

HEXA SERIES
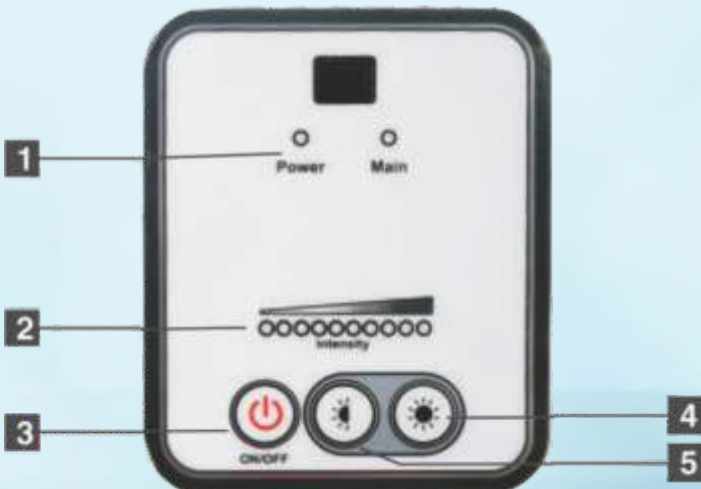**MODEL - HEXA 36**

Suspension Arm
To fit any room configuration,
Experience full-range maneuverability

Digital Control Panel
To adjust the lux intensity

Sterilizable Handle
To move the dome in all directions.

Led Light
Combination of Yellow & White
LED's for making natural day light

Power   Main

HEXA 36, HEXA 30 & HEXA 20 Control Keypad

1. Power Indication
2. Level of Brightness
3. ON/OFF
4. Lighting Level (UP)
5. Lighting Level (DOWN)

Minimum standard height 10ft

Hexa Series

Hexa 30D & Hexa 20D model is innovative LED surgical lights manufacture SI Surgical. Hexa 30D & Hexa 20D is Available in single colour temperature
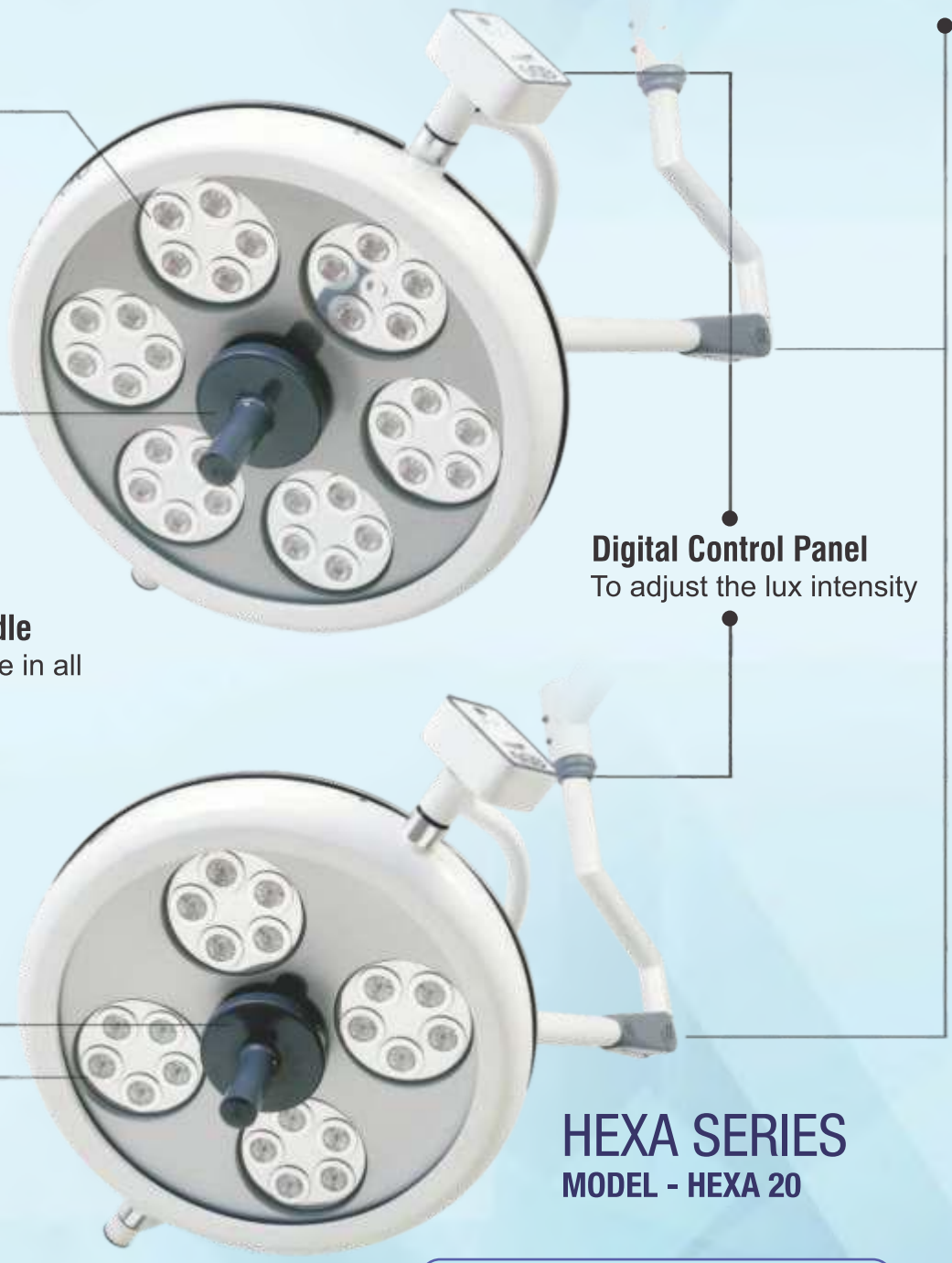
HEXA SERIES
MODEL - HEXA 30

Suspension Arm
To fit any room configuration,
Experience full-range maneuverability

Led Light
Combination of Yellow &
White LED's for making
natural day light

Digital Control Panel
To adjust the lux intensity

Sterilizable Handle
To move the dome in all
directions.

HEXA SERIES
MODEL - HEXA 20

Minimum standard height 10ft

Hexa Series

MODEL - HEXA 30D

MODEL - HEXA 30 + 20

MODEL - HEXA 20D

MODEL - HEXA 36D

MODEL - HEXA 30S

Technical Data

Model No.	Hexa 36D	Hexa 30S	Hexa 20D
Max Light Intensity at 1m(Lux)	160,000	160,000	120,000
No. of LED's	36	30	20
LED's Life Time	>40,000	>40,000	>40,000
Dome Diameter	580mm	600mm	580mm
Colour Rendering Index(RA)	>96	>96	>96
Temp. Increase @ Head Area	2C	2C	2C
Colour Temparature in Kelvin	4900K	4900K	4900K
Focus Adjustment	Fixed Focus	Adjustable Manually	Adjustable Manually
Control on Dome	Digital	Digital	Digital
Light Field Diameter	200mm	150mm or more	150mm or more
Input Voltage	AC 220-230V/50-60Hz		

Minimum standard height 10ft

Video System

The camera system can be operated with integrated OR system. Digital Image data is recorded in Digital Video Recorder (DVR).

Camera Specification

Image Sensor	1.4".Color Super HAD CCD
Total Pixels	811(H)x580(V)
Resolution	520 TV Lines
Lens	30x Optical,16x digital Zoom
Focal Length(MM)	f=3 to 99.0mm
Focus	Auto/Manual
Signal/Noise Ratio	52dB
Power Consumption	3W:Normal,5W:Maximum
Power Source	DC-12V

Cameras available on third arm/ seprate arm/ depending upon configuration

DVR Specification

1. Video (H.264) / Audio (ADPCM).
2. Upto 4 inch audio inputs & 1 inch audio output.
3. Combined BNC and VGA video output for main display.
4. SATA 1 / FHDD support (Internal Max. HDDx1).
5. HDD & DVD SATA interface
6. Built in web viewer.

Suspension Arm
To fit any room configuration,
Experience full-range maneuverability

Sterilizable Handle
To move the dome in all directions.

LED SERIES
MODEL - B4

Digital Control Panel

Led Light
Combination of Yellow & White LED's

Sterilizable Handle
To move the dome in all directions To move the dome in all directions and also for focus adjustment

Suspension Arm
To fit any room configuration,
Experience full-range maneuverability

LED SERIES
MODEL - B3

Digital Control Panel
To adjust the lux intensity & colour temperature of light

Led Light
Combination of Yellow & White LED's

LED B4 & LED B3
Control Keypad

1. ON/OFF
2. Adjustment for white LED's
3. Adjustment for yellow LED's
4. Memory 1
5. Memory 2
6. Memory 3
7. Endoscopy Mode

Minimum standard height 10ft

05

Minimum standard height 10ft

LED SERIES
MODEL - B4

LED SERIES
MODEL - B3

LED SERIES
MODEL - B4

MODEL - B4 + B3 + B4

Constant Depth
Sterilizable Handle
Focus Adjustment
"ENDO" Mode
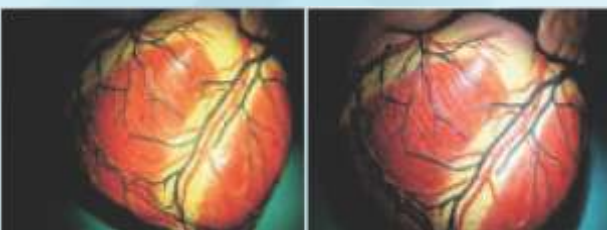Integrated with laminar flow
Colour Temperature Adjustable
Shadow Free Light

Sterilizable Handle

"ENDO" Mode

Integrated with laminar flow

3500° K - 6200° K

Shadow Free Light

Multi LED Series

MODEL - B4

MODEL - B3

MODEL - B3 + B3

MODEL - B4 + B4

MODEL - B4 + B3
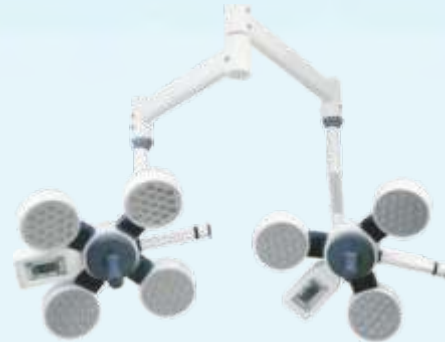
Technical Data

Model No.	LED B4	LED B3
Max Light Intensity at 1m(Lux)	120,000	90,000
No. of LED's	76	57
LED's Life Time	>40,000	>40,000
Dome Diameter	580mm	580mm
Colour Rendering Index(RA)	>96	>96
Temp. Increase @ Head Area	2C	2C
Colour Temparature in Kelvin	3500-6200K	3500-6200K
Focus Adjustment	Adjustable Manually	Adjustable Manually
Control on Dome	Digital	Digital
Light Field Diameter	150mm or more	150mm or more
Endoscopy Mode	Available	Available
Input Voltage	AC 220-230V/50-60Hz	AC 220-230V/50-60Hz

Minimum standard height 10ft

LED 3

MODEL -
LED 3

Specification

Dome diameter is 4'' (aluminum dome)
Dome have 3 Led (life of Led is 50000 hours), Germany Osram Led
Italian Lenses using for best output focusing
Focus Diameter is 5'' from 1 meter distance
Lux 3000 minimum to 30000 + maximum (Intensity controlar function)
We are using two colour Led for Natural light

MODEL -
LED 7

7LED Monitor OT
LIGHT 21W

Specification

65,000-70,000 lux power
7 led bulb
Multicolor LED
Aluminium Dome
Intensity controlar function
Height adjustable function
SS pipe and SS modular base

LED 7

LED 15

MODEL -
LED 15

Specification

Intensity: 50000-60000
LED Light: 40,000 hours
Field Diameter: 200mm
Input Voltage: AC 220-230v / 50-60Hz
Focus Adjustment: Fixed
No.Of LED: 15 LED
Dome Diameter: 80mm
Temperature: 2degree
Color temperature: 4900K

MODEL -
HEXA 30 MOBILE LIGHT

Specification

Light intensity: 30000 Lux - 160000 Lux
Dome Size: 700mm
LED life Span: 50000 hours
Balance arm rotate up and down: up 40^0, down: 40^0degree
Light body rotate around light arm: 180^0
Facula Diameter: 10-280mm
Bulb Power: 32V LED Used 5W
Illumination Depth: 700mm
Handle: Sterilizable Handle
Light intensity at a distance of 1m9lx): 10 set
Color temperature (K): 5000 ± 10%
Color rendering index Ra: 96
Color rendering R9: 96
Luminous efficacy(1m/W): 130/W
No. LEDs: Single Dome - 30 LEDs
Light field adjustable-freely.
Zero IR and Zero UV radiation
Light intensity adjustment: 10 Step
Parabolic design with shadow - free lighting [Lens System] [Multiple Refletor]
Closed system with smooth surfaces that can be sterilized by cleaning agents.
Made from fiber dome / Aluminium
Back up battery working capacity: 2-3 hours
Light control: adjustable the luminance according to 10 grade
Max head height: 2.00m

LED EXAMINATION LIGHT
(WALL MOUNTED)

Technical Data

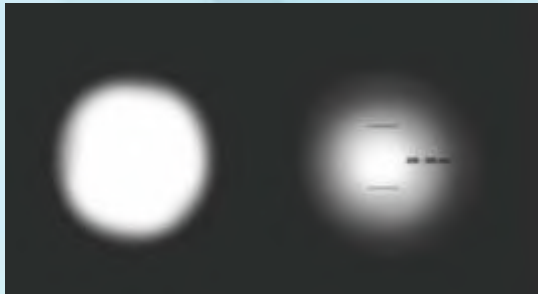|	
Arm:	Articulated,spring loaded arm with on/off switch and incorporated electronic transformer.
Length of Arm:	85cm
Voltage:	230 V.
Fitted with:	LED Lamp
Colour Temparature:	4300K approx.
Lux:	15000lux
Dome:	Polycarbonate

MODEL -
LED W 005
Wall Mounted Model

Technical Drawing

MODEL -
LED F 004

Beam Formation

Enertech LED light produces high light intensity across the full illuminate area avoiding the variable contrast lighting and distractions, and offers lighting for surface. This creates an ideal depth of illumination, enabling the operator to work without the need to make the readjustment. Traditional Operating Theatre Lights Create a high light intensity by squashing the light flux into the middle of the beam, creating a "Hot Spot". This high contrast 'Hot Spot' gives a very bright centre, leaving the rest of the field relatively dim in-comparision.

Suturing Light For Convenient Post- Operative Procedure

When the lights are turned off, a low intensity radiant beam is emitted so that suturing process can be carried out in great comfort and without time delay.

Remote Control & Sterilizable Handle

Remte Control Adjust: On & Off Switch.
Light Intensity: Increase & Decrease Suturing Mode.

Sterilizable Handle

Euro Series 160 + 140

Technical Data	Euro 160
Illumination Intensity	1,60,000 Lux
LED Service Life	50,000 hours
Colour Temperature	5500K
Colour Rendering Index	95Ra
Temperature increase in surgeon's head area	<2C
Index Light Spot	210-280mm
Brightness Adjustment	Nearly From 0% - 100%
Power	230VAC/50/60Hz

Technical Data	Euro 140
Illumination Intensity	1,40,000 Lux
LED Service Life	50,000 hours
Colour Temperature	5500K
Colour Rendering Index	95Ra
Temperature increase in surgeon's head area	<2C
Index Light Spot	210-280mm
Brightness Adjustment	Nearly From 0% - 100%
Power	230VAC/50/60Hz

Eco Plus Series 140 Configurations

Technical Data	Eco Plus 140
Illumination Intensity	1,40,000 Lux
LED Service Life	50,000 hours
Colour Temperature	5500K
Colour Rendering Index	95Ra
Temperature increase in surgeon's head area	<2C
Index Light Spot	210-280mm
Brightness Adjustment	Nearly From 0% - 100%
Power	230VAC/50/60Hz

Eco Plus Series 100 Configurations

Technical Data	Eco Plus 100
Illumination Intensity	1,00,000 Lux
LED Service Life	50,000 hours
Colour Temperature	5500K
Colour Rendering Index	95Ra
Temperature increase in surgeon's head area	<2C
Index Light Spot	210-280mm
Brightness Adjustment	Nearly From 0% - 100%
Power	230VAC/50/60Hz

Eco Plus 140+ 100

EcoPlus 140 - Mobile

EcoPlus 100 - Mobile

Classic 140

1. Auto Focus.
2. Laminar Air Flow Compatibility.
3. Multi Lens System
4. Shadow Free illumination. Suturing Light for convenient
5. post-operative procedure

Classic 140 + 140

Technical Specification
Classic Series

Technical Data	Classic 140
Illumination Intensity	140000 Lux
LED Service Life	50,000 hours
Colour Temperature	5500 K
Colour Rendering Index	95Ra
Temperature increase in surgeon's head area	< 2°C
Index Light Spot	210 - 280 mm
Brightness Adjustment	Nearly From 0% - 100%
Power	230VAC/50/60Hz

(*Note : Specifications are subject to change without prior notice.)

Minimum standard height 10ft

SI Surgical Pvt. Ltd.
(AN ISO : 9001/13485 & CERTIFIED COMPANY)

www.sisurgical.co.in

Belleville, IL, US

Bulgaria

Istanbul

Syria

UAE

Nigeria

Uganda

Ethiopia

Kenya

Sao Paulo

South Africa

Mauritius

Nepal

Bhutan

Bangladesh

Myanmar

India

Thailand

Vietnam

Malaysia

Singapore

Srilanka

CONTACT US:
S I Surgical Private Limited
Din No.: 07514445
Phone No.:
+91-033-2669-0085(4 Lines)
+91-033-2669-0225
+91-9836296422
E-mail: info@sisurgical.co.in
          Sisurgicalcorp@gmail.com

CORPORATE OFFICE:

SIS House, NH6, Uttar Nibra,
2No. Pump House, Opp. Mandirtala
Sporting Club, Howrah - 711409
Kolkata, West Bengal, India

MANUFACTURING UNIT:

Factory Unit I
265 Roy Bahadur Road,
Near Chhatra Sangha Club
New Alipore, Kolkata - 700053

Factory Unit II
Dadri Gate, Kaunt Road,
Shanti Nagar, Bhiwani
Haryana - 127021

Other Branch: Patna, Bhagalpur, Siliguri, Bhubaneswar, Guwahati, Hyderabad, Chennai,
Mumbai, Balashore, Coochin, Ahmedabad, Jodhpur, Bhiwani, Nairobi, Dhaka,
Columbo, Dar es Salam, Kathmandu, Biratnagar, Hanoi etc