

KIRAN MODERN SURGICAL LIGHTING SYSTEMS

OPERATION THEATRE LIGHTS

KIRAN Star Duo

Most Economic Solution for Intense Illumination

- Star Duo Ceiling mounted O.T. Light suitable for most of all major and minor surgeries.
- Aerodynamic shaped sealed domes (made of Aluminium) are laminar flow friendly.
- Spring balanced, flexible arm positioning without any drift.
- Autoclavable handle at the centre of the dome.
- Effective heat absorbing, colour correcting filter & shadow reducing diffuser.
- Each dome consists of two halogen bulbs as standard.
- Reserve halogen bulb can be switched ON.
- Smooth white powder coated finish.
- Easy replacement of bulbs.



A new FEATRE in the CROWN

S.N	Features	KMSLS Star Single	KMSLS Star Duo
1	Light Intensity at 1mtr. Distance	50,000 Lux	2 x 60,000 Lux
2	Dia. of Reflector	475 mm	475 mm
3	Halogen Bulb	24 V 150W	2 x 24 V 150W
4	Power Supply	SMPS 170V - 270V / 24V 150 VA	2 x SMPS 170V - 270V / 24V 150 VA

Technical Data

Switch Mode Power Supply (SMPS)

Each dome is connected with its individual wall mounted SMPS to ensure constant illumination even during voltage variation use of SMPS extend the life of halogen bulb significantly.



KMSLS LED

6+4
4+4
3+3
Mobile



Technical Data	LED 6+4	LED 4+4	LED 3+3	LED Mobile
Illumination at 1mtr. Distance	140,000 Lux	60,000 Lux	60,000 Lux	60,000 Lux
Colour Temp. (K)	4300K	4300K	4300K	4300K
Colour Rendering Index	95	95	95	95
Dimming Range	20-100%	20-100%	20-100%	20-100%
Temp. Rise (head area)	2°C	2°C	2°C	2°C
Temp. Rise (working area)	Not more than 8°C at 100 K Lux	Not more than 8°C at 100 K Lux	Not more than 8°C at 100 K Lux	Not more than 8°C at 100 K Lux
Life of LED	30,000 HRS	30,000 HRS	30,000 HRS	30,000 HRS

KMSLS LED 4+4

LED Surgical Operating Lamp



Technical Data	LED 4+4
Illumination at 1mtr. Distance	2 x 1,00,000 Lux
Colour Adjustable Temperature	3800K-5000 K
Colour Rendering Index	95
Dimming Range	20-100%
Temperature Rise in the area of Surgeon head	1°C
Life of LED	30000 HRS



KMSLS LED 5+3

LED Surgical Operating Lamp

The most powerful breakthrough in the surgical lighting is the LED light, enabling focused, energy efficient, faster and convenient surgical procedures.

LED lighting can be 20-40% more efficient than standard lighting technologies, lasting up to ten times longer and providing consistent, controllable source of illumination.

High light output, less power consumption, low heat generation and an extremely long life cycle makes LED lamps environment friendly and are a great indication of their high efficiency, over all other existing light sources.

Moreover, LED's don't generate infrared or UV, eliminating the need to filter such harmful rays.

Therefore, LED lighting is now known to provide a more comfortable environment to surgeons, greatly enhancing the surgical team performance.



Technical Data	KMSLS Venus Single	KMSLS Venus Duo
Light Intensity at 1mtr. Distance	100,000 Lux	2 x 100,000 Lux
Colour Temp.	4300°K	4300°K
Dia of Dome	500 mm	500 mm
Dia of Dichroic reflector	390 mm	390 mm
Action Radius	180 Cms.	180 Cms.
Temp. Rise (head area)	2°C	2°C
Temp. Rise (working area)	Not more than 8°C at 100 K Lux	Not more than 8°C at 100 K Lux
Halogen bulb	24 V 150 W	2 x 24 V 150 W
Power Supply	SMPS : 170V-270V/24V, 150VA	2*SMPS : 170V-270V/24V, 150VA

www.kiransurgicalsystems.com

Specialist in:

Manufacturing & Servicing of O.T, Tables, Autoclave High Pressure Sterlizer, Hospital Furniture and other Hospital Equipments

KSS 1007



The Ideal Light for use as single or in combination PLAN 1007
Seven Reflector major light for high illumination and great adaptability for ceiling Attaching satellite.

Completely Spring Balanced
Out standing action radius to cover entire O.T. Table
Special heat absorbing colour correcting filter.

Shadow reducing diffusers
Pre- treated Epoxy Powder Coated

Light Intensity: 80,000 Lux
Hologes Bulb : 7 x 24v , 80w.

KSS 1004



Four reflector halogen ceiling O.T. light completely spring balanced provided with focusing cum autoclavable handle at the centre of the dome.

Special heat absorbing colour correcting filter
Cool, white and brilliant light field,
Pre- treated Epoxy Powder Coated

Light intensity: 50,000 Lux
Hologen Bulb: 4 x 24 v 70w.

KSS 1001-1



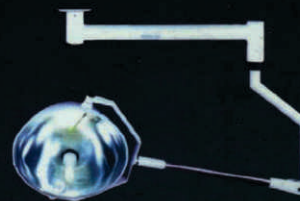
The Most economic solution for intense illumination requirement plan 1001-1

Single reflector halogen ceiling O.T. light completely spring balanced for flexible positioning. Now with RESERVE Hologen lamp.

Special heat absorbing colour correcting filter
Cool white and brilliant light field.

Pre - treated Epoxy Powder Coated
Light Intensity: 50,000 Lux x 2
Halogen Bulb: 2 x 24v 150w

KSS 1001 M

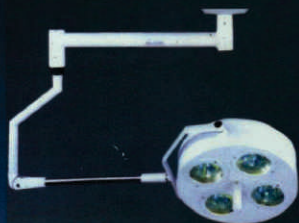


Single Reflector mobile halogen O.T. Light Completely spring balanced with reserve Halogen Bulb.

Concealed transfer
Intensity control and main switch with voltmeter provided on front panel.
Effective heat absorbing colour correcting filter provided for cool, white and brilliant light field.

Pre- treated epoxy powder coated
Light Intensity : 50,000 Lux
Halogen Bulb: 1 x 24v 150w

KSS 1004 M



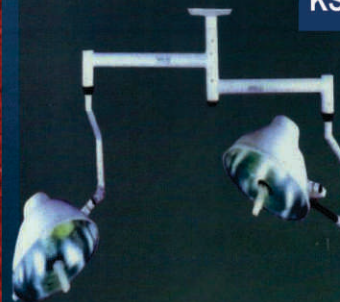
Single Reflector mobile halogen O.T. Light Completely spring balanced.

Concealed transfer
Intensity control and main switch with coltmeter provided on front pannel.
Effective heat absorbing colour correcting filter provided for cool, white and brilliant light field.

Special Shadow reducing diffusers
Focusing cum autoclavable handle provided in the centre of the dome

Pre- treated epoxy powder coated
Light Intensity : 50,000 Lux x 4
Halogen Bulb: 4 x 24v 70w

KSS 1001 M



Single Reflector halogen O.T. Light Completely spring balanced for flexible positioning. Now with reserve lamp.

Special heat absorbing colour correcting filter, cool, white and brilliant light field.

Pre- treated epoxy powder coated
Light Intensity : 50,000 Lux x 2
Halogen Bulb: 2 x 24v 150w

KSS 1004-3



Suitable for Major and Minor operating theatres Plan 1004-3

Flour reflector as main and three reflector as satellite ceiling halogen O.T. Light completely spring balanced for flexible and easy positioning
Special heat absorbing colour correcting filter
Shadow reducing diffusers
Cool, White and brilliant light field.

Pre- treated Epoxy powder coated
Light Intensity: 90,000 Lux
Hologen Bulb: 7 x 24v/70w

KSS 1007- 4



Combination of seven & Four Reflector Plan 1007-4

Combination of seven reflector main light with for reflector as satellite. Completely spring balanced. Outstanding action redies to cover entire O.T. Table. Special heat absorbing colour correction filter. Shadow reducing diffusers.

Pre- treated epoxy Powder Coated.
Light intensity : 1,20,000 lux
Hologen Bulb: 11 x 24v 70w





Technical Data

Specification	KMSLS Venus Major	KMSLS Venus Major Duo
Light Intensity at 1mtr. Distance	1,30,000 Lux	2x1,30,000 Lux
Colour Temp.	4300°K	4300°K
Dia of Dome	600 mm	600 mm
Depth of Illumination	800mm to 1000mm	800mm to 1000mm
Action Radius	180 Cms.	180 Cms.
Temp. Rise (head area)	2°C	2°C
Life of Halogen Bulb	1000 Hrs.	1000 Hrs.
Halogen Bulb	24V 150W	2 x 24V 150W
Power Supply	SMPS : 170V-270V/24V, 150VA	2*SMPS : 170V-270V/24V, 150VA



Technical Details

Technical Data	LED 5	LED 3
Illumination at 1m distance	140000 Lux	90000 Lux
Colour Adjustable Temperature	3800-5000 K	38000-5000 K
Colour Reproduction Index	95	95
Dimming Range	20-100 %	20-100 %
Temperature Rise in the area of Surge on head	1°C	1°C
Life of LED	30000 HRS	30000 HRS

Specification	Galaxy Single	Galaxy Duo
Light Intensity at 1mtr. Distance	1,20,000 Lux $\pm$ 5%	2x1,20,000 Lux $\pm$ 5%
Dia. of Cupola	600mm.	2x600mm.
Field Size	15-20Cms.	20-25Cms.
Colour Temp.	4300°K	4300°K
Heat Rise at field at 100K Lux.	6°C	6°C
Heat Rise at head area	2°C	2°C
Vertical Movement	110Cms.	110Cms.
Working Distance Focusable	70-140Cms.	70-140Cms.
Halogen Bulbs	4 x 24V 70W	8 x 24V 70W



Model : KMSLS Venus Duo Advance

- * Excellent shadowless effect and Focusing Depth.
- * Complies the Laminar air flow in the operating room.
- * Blue Theca plating technology.
- * Stable Electric Performance.
- * Adjustable Intensity Adjustment.
- * Back up Bulb changeover system in case of main bulb failure.
- * High quality spring suspension arm system for effortless adjustment.
- * Sterilizable handle.

Technical Data	Venus Duo Advance
Dome Size	Both Dome of 700mm
Intensity	2 x 1,60,000 Lux
Reflector	Multi-Faceted
Intensity Controller on the arm	Yes
Twin Bulb System	Yes
Colour Temperature	4300 $\pm$ 5°K
Heat rise from ambient	0-2 deg. C
Field Diameter	12-28 cm
Working Distance	55-170 cm
Colour Rendering Index	96
Power Input	220-240 V - 50Hz



Technical Data

FEATURE

FEATURE	Main Dome KMSLS 5007-H
1. No. of Reflector	07 Reflectors
2. Dia of Dome	760 mm
3. Light Intensity	1,75,000 Lux
4. Halogen Bulb	7 Nos. x 12V 50W / 24V 70W
5. Field Size Dia	200 - 320 mm
6. Heat rise at Head area	2°C
7. Rotation at Ceiling end	360 degree.
8. Spring Arm Stroke	500 mm
9. Colour Temp.	4300 deg. K
10. CRI	90 $\pm$ 2
11. Action Radius	1400 mm
12. Power Input	230AC $\pm$ 10%, 50Hz $\pm$ 2%
13. CVT	Yes



FEATURE

FEATURE	Main Dome (Hospitalite 5007-H)	Satellite Dome KMSLS 5005-H
1. No. of Reflector	07 Reflectors	05 Reflectors
2. Dia of Dome	760 mm	640 mm
3. Light Intensity	1,75,000 Lux	1,30,000 Lux
4. Halogen Bulb	7 Nos. x 12V 50W / 24V 70W	5 Nos. x 12V 50W / 24V 70W
5. Field Size Dia	200 - 320 mm	150 - 200 mm
6. Heat rise at Head area	2°C	2°C
7. Rotation at Ceiling end	360 degree.	360 degree.
8. Spring Arm Stroke	500 mm	750 mm
9. Colour Temp.	4300 deg. K	4300 deg. K
10. CRI	90 $\pm$ 2	90 $\pm$ 2
11. Action Radius	1400 mm	1500 mm
12. Power Input	230AC $\pm$ 10%, 50Hz $\pm$ 2%	230AC $\pm$ 10%, 50Hz $\pm$ 2%
13. CVT	Yes	Yes



Features	KMSLS 5004-4	KMSLS 5004
No. of Reflector	04 + 04 Glass Dichroic	04 Glass Dichroic
Dia of Dome	515mm	515mm
Light intensity	2 x 80,000 Lux $\pm$ 5%	80,000 Lux $\pm$ 5%
Heat Rise at field at 100L Lux	8° C	8° C
Halogen Lamp	08 x 24V - 70W / 12V - 50W	04 x 24V - 70W / 12V - 50W
Action Radius	180cms	180cms
Heat rise at Head Area	2°C	2°C
Vertical Movement	100cms	100cms
Colour Temp.	4300° K	4300° K
Field Size	15 - 20cms	15 - 20cms
Power Input	220AC $\pm$ 10%, 50Hz $\pm$ 2%	220AC $\pm$ 10%, 50Hz $\pm$ 2%
Bulb Life	2000 working hrs	2000 working hrs



FEATURE	Main Dome KMSLS 5007	Satellite Dome KMSLS 5005
1. No. of Reflector	07 Reflectors	05 Reflectors
2. Dia of Dome	760 mm	640 mm
3. Light Intensity	1,35,000 Lux	90,000 Lux
4. Halogen Bulb	7 Nos. x 12V 50W / 24V 70W	5 Nos. x 12V 50W / 24V 70W
5. Field Size Dia	200 - 320 mm	150 - 200 mm
6. Heat rise at Head area	2°C	2°C
7. Rotation at Ceiling end	360 degree.	360 degree.
8. Spring Arm Stroke	500 mm	750 mm
9. Colour Temp.	4300 deg. K	4300 deg. K
10. CRI	90 $\pm$ 2	90 $\pm$ 2
11. Action Radius	1400 mm	1500 mm
12. Power Input	230AC $\pm$ 10%, 50Hz $\pm$ 2%	230AC $\pm$ 10%, 50Hz $\pm$ 2%



KMSLS Star Mobile

Single Reflector Mobile Halogen O.T. Light mounted on sturdy stand. Low Voltage transformer integrated in the base. Intensity Control and main switch provided on the front panel.



KMSLS 1001



KMSLS 1002



KMSLS 1003



KMSLS 1004



KMSLS 1005



KMSLS 1006



KMSLS 1007



KMSLS 1008



KMSLS 1009



KMSLS 1010



Delhi : A - 39, Street No.5, Chander Industrial Estate, I.P Extension, Delhi - 110 092

Gujarat : 308/4, GIDC Estate, Makarpura Industrial Estate, Baroda – 390 010,

Andhra Pradesh : No. 6-5-351/5, Astal Heights, Road No. 1, Banjara Hills, Hyderabad – 500 034

Tamil Nadu : No.33-B4, Sidco Industrial Estate Phase - II, Sundarapuram, Coimbatore - 641 021

Kerala : 333/9, Para Road, Near NIDA, Kanjikode, Palakkad - 678 621

Helpline : +91 9751725000, +91 9751625000, +91 9751425000, +91 9751215000, +91 9751245000

Email : kirangroup108@gmail.com, kiranindia108@gmail.com, kiranbiz108@gmail.com

Website : www.kirangroupofcompanies.com, www.kiran.biz, www.kiranshop.in, www.kiranindia.in, www.kiransurgicalsystems.com, www.kiranmedicareequipments.com, www.kiranpump.com, www.kiransolarsystems.com, www.kiranled.com, www.kiranincinerationsystems.com, www.kiranequipments.com, www.kirancompressors.com, www.kiranappliances.com, www.kiranairventilators.com, www.kiranfrpproducts.com, www.kiranpebsystems.com, www.kiranpanels.com, www.kiranfabssystems.com