



특허청

GOD DESIGN



Medical LED Illumination

Luvis



LED Surgical Light - Luvis L200 / M200 / M300

Consistent and Comfort Illumination



Surgical Light



Synchronized Intuitive Control



Main Control Panel



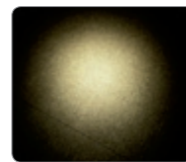
Quick Controller on Central Main Handle



Detachable and Autoclavable Main Handle

Color Temperature Adjustment

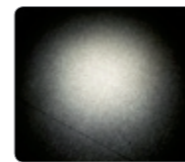
3 steps of color temperature (3,800K / 4,300K / 4,800K) adjustment will help surgeons to find more suitable and comfortable light color



3,800K



4,300K



4,800K

Shadow Dilution

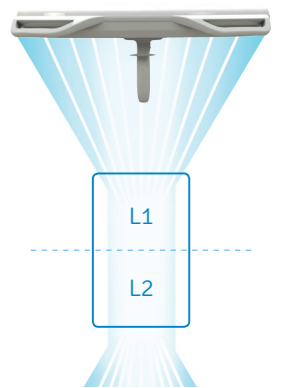
Luvis M200/M300/L200 have excellent Shadow Dilution compared to any other existing medical illuminations.



Depth of Illumination

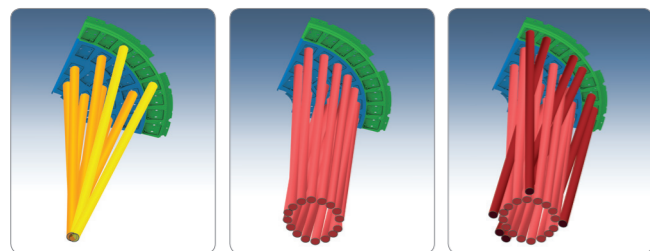
Luvis M300/L200 delivers excellent depth of illumination

- ▶ Ec x 60% : 85cm
- ▶ Ec x 20% : 150cm



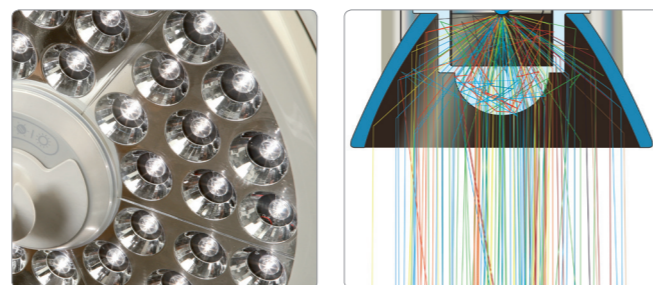
CIS (Channel Illumination System)

Channel Illumination Technology helps to prevent large falling of Intensity as enlarging the Light field diameter.



circumstance

Hybrid LED System



30% higher efficiency compared to normal reflector and less weighted solution compared to lens system

Smart Sensor

Smart sensor will detect the obstacle and increase the Intensity automatically. So Luvis L200/M300 [Options] can deliver more stable illumination.



Laminar Flow Compliancy

Luminal flow compliancy design minimizes the obstructing surface.

- ▶ Luvis M200 2369cm² / Luvis L200 3789cm²



Luvis L200/M200/M300 Basic Application

Single Ceiling Mount

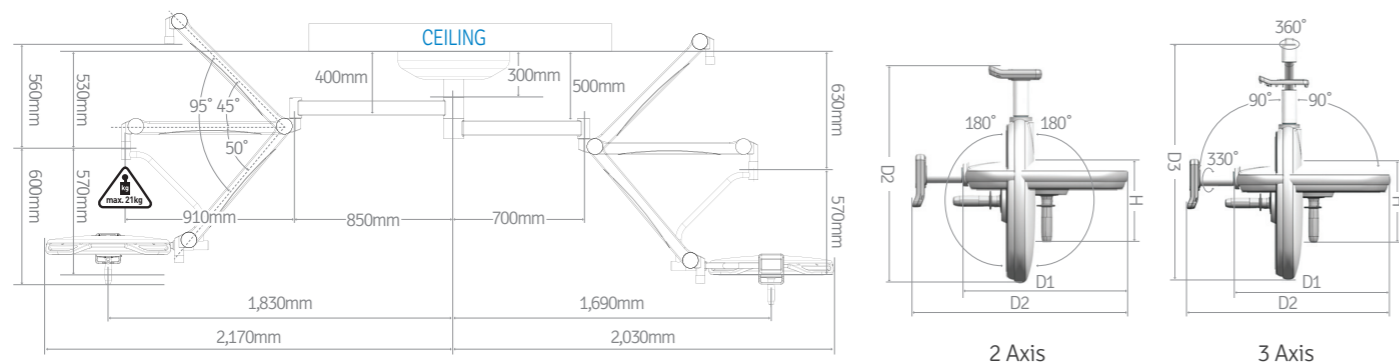


Dual Ceiling Mount



Available Configuration of dual ceiling Mount

M/M200(M210) Dual Ceiling Mount, L/L200 Dual Ceiling Mount, L200/M200(M210)Dual Ceiling Mount, M200/M300(M310)Dual Ceiling Mount



Luvis L200/M200/M300 Optional Application

Integrated Camera / Monitor Carrier



HD Camera

Classification	Description
Camera Block	FCB-H11 (SONY)
Image Sensor	1/3-Type CMOS
Lens	10X Optical Zoom
Zoom Ratio	10X Optical, 12X Digital
Image Point	Approx. 2.0 Megapixels
Video Signal	HD 1080i / 720p, 75Ω BNC
Object Distance	10mm ~ 800mm
Size	47.2x43.1x72.7mm
Mass	120g

Internal Camera Camera Control Panel

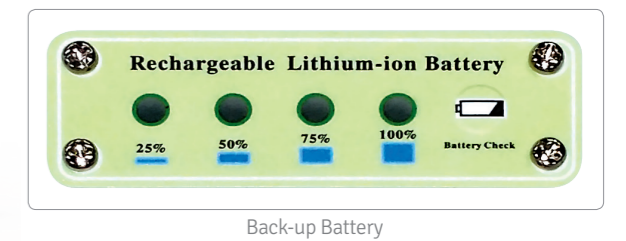
Mobile Type



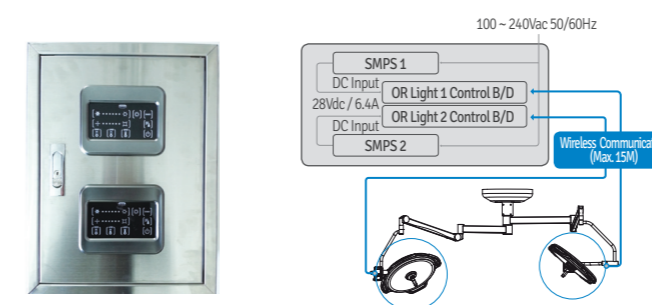
Back-up Battery

Model	Voltage	Description
L200	DC 28V	- Over Voltage Detection - Under Voltage Detection
M200	DC 20V	- Discharging Over Current Detection - Short Circuit Detection - Cell Balancing, PTC - Output (20V ~ 28V)
M300	DC 24V	- Life cycle : 300 cycle(charge/discharge)

Duration : 3 Hours



Wall Mount Control Box



Classification	Description	Classification	Description
Box Size	WxLxD=30x40x15cm	Range of Wireless Com.	<10m
Control Box Material	Stainless	Protocol of Wireless Com.	IEEE802.15.4 (ISM 2.4GHz)
Number of Controlled Unit	1 or 2	Input Voltage	220VAC, 50/60Hz
Switch Type	Touch	Out Put Voltage	28VDC x 2

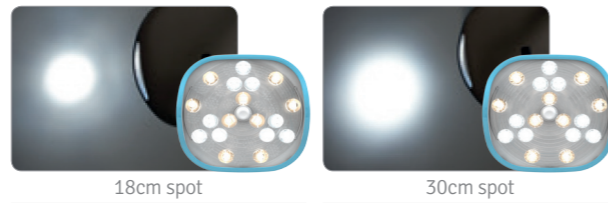
LED Minor Surgical Light - Luvis S200



- ❑ 60,000Lux Intensity
- ❑ 3 Steps of Color Temperature Selectable (3,800K/4,300K/4,800K)
- ❑ 90Ra of Highest Level of CRI
- ❑ R9 80 of Red Color Rendering Ability
- ❑ Dentis Patent Rectangle Focal Pattern
- ❑ Selectable Focal Size (Dia.18cm / Dia.30cm) by rotating Main Handle
- ❑ Excellent Scialytic Effect
- ❑ 55% of Uniformity (D50/d10)
- ❑ Intuitive and Easy Way of Control
- ❑ No UV Emission & Cool Light
- ❑ Detachable & Autoclavable Main Handle
- ❑ Ergonomic & Friendly Design
- ❑ Various Installation Option (Chair, Ceiling, Mobile, Wall, Dual Ceiling Mount)

Adjustable Focus

By rotating central knob, users can easily select the focal size from 18cm to 30 cm.



Scialytic Effect

The high optical efficiency of the Luvis S200 is based on an innovative lens system with 18 LED sources that ensures a beam of light with wide scialytic effect.

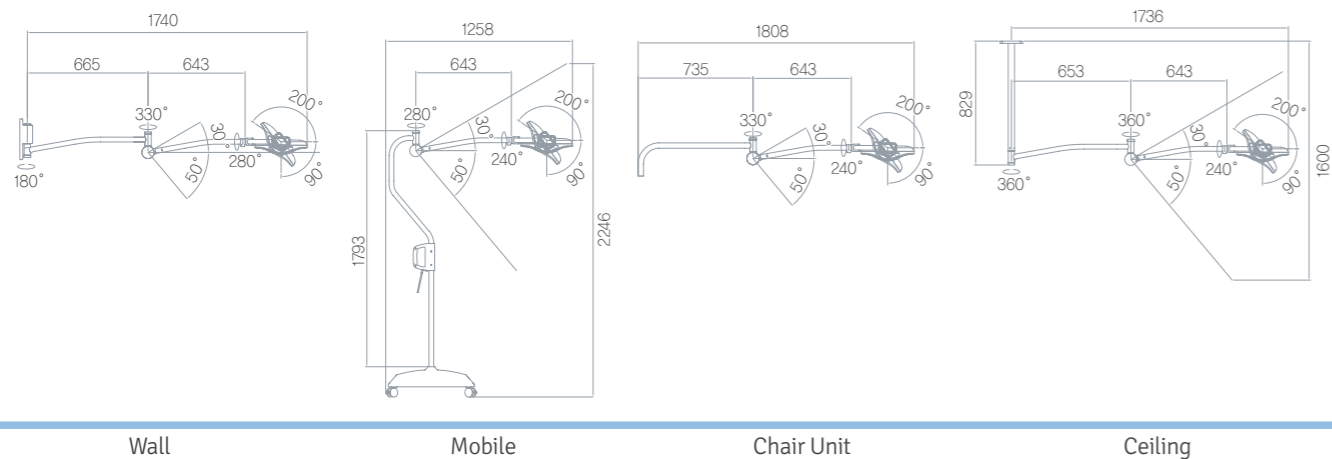


Detachable Main Handle

Rotation Main Handle to select the focal size
Easy and stable handling Autoclavable material



Various Installation



Examination LED Light - Luvis E100

Simple, Clear and Affordable

Luvis Examination LED Light, E-100, delivers clear light, cool LED lighting with a slim design for all of your exam and minor procedure needs.

- ❑ High Level of Illumination Intensity : 60,000 Lux at 0.5 m
- ❑ 17cm Focal Size
- ❑ 3 Steps of Intensity Control
- ❑ Accurate Color Rendering Ra > 95
- ❑ 3 Steps of Color Temperatures Control (3500 K, 4000K, 4500 K)
- ❑ Easy to Use , Simple Control unit on the Head
- ❑ Low Maintenance Cost
- ❑ Lowest Heat Emission and No UV from the Light



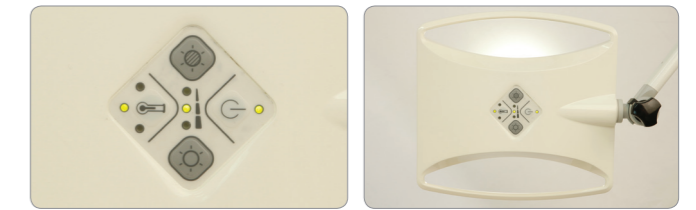
Wider User - Adjustable Intensity and Color Temperature.

Through intuitive control panel, user can easily adjust the Intensity and color temperature in 3steps. Adjustable E100 can be adopted in various scene of medical field



Easy to Install and Use

Simplified way of installation and intuitive control panel offers easy-to-use method



Various Installation



Technical Specification

Model No.	Luvis M200/210	Luvis M300/310	Luvis L200
Intensity	Max. 120,000 Lux	Max. 160,000 Lux	Max. 160,000 Lux
CRI	95	95	95
Color Temperature	4,300K (3,800K / 4,300K / 4,800K)	4,300K (3,800K / 4,300K / 4,800K)	3,800K / 4,300K / 4,800K
Light field diameter	20 cm ~ 30 cm(circle)	20 cm ~ 30 cm(circle)	20 cm ~ 30 cm(circle)
Focal Distance	1M	1M	1M
Head Size	50 cm	60 cm	67 cm
Power Consumption (Max.)	85W	125W	125W
Input Power	100~240Vac, 50/60Hz	100~240Vac, 50/60Hz	100~240Vac, 50/60Hz
LEDs	54ea	84ea	96ea
LED Life Span	50,000hr	50,000hr	50,000hr
Depth of Illumination	Ec 60%	65	85
	Ec 20%	125	150
Shadow Dillution	With Tube(%)	100	100
	1 mask(%)	50	75
	2 mask(%)	48	60
	1 mask + Tube (%)	50	70
	2 mask + Tube(%)	48	56

Model No.	Luvis S200	Luvis E100
Intensity	Max. 60,000 Lux @1M	Max. 60,000 Lux @ 0.5M
CRI	90	95
Color Temperature	3,800K / 4,300K / 4,800K	3,500K / 4,000K / 4,500K
Focus Size	18cm (circle) / 30cm (circle)	17cm (circle)
Focal Distance	1M	0.5M
Head Size	35cm x 34cm	25cm x 24.6cm
Power Consumption	25W	17W
Input Power	90~264Vac, 50/60Hz	90~264Vac, 50/60Hz
LED Life Span	50,000hr	50,000hr



Head Office

99, Seongseoseo-ro, Dalseo-gu, Daegu, South Korea.
Tel +82-1899-2804 / Fax +82-53-583-0037

Seoul Office

#1012, Leaders Tower, 286, Beotkkot-ro, Geumcheon-gu, Seoul, South Korea.
Tel +82-2-869-6020 / Fax +82-2-869-6021

Overseas Branch

U.S.A +1-323-677-4363~5 Taiwan +886-2-2808-5933

DENTIS Medical Division

6, Yuram-Ro, Dong-Gu, Daegu, South Korea.
Tel +82-1899-2804 / Fax +82-53-583-0037

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