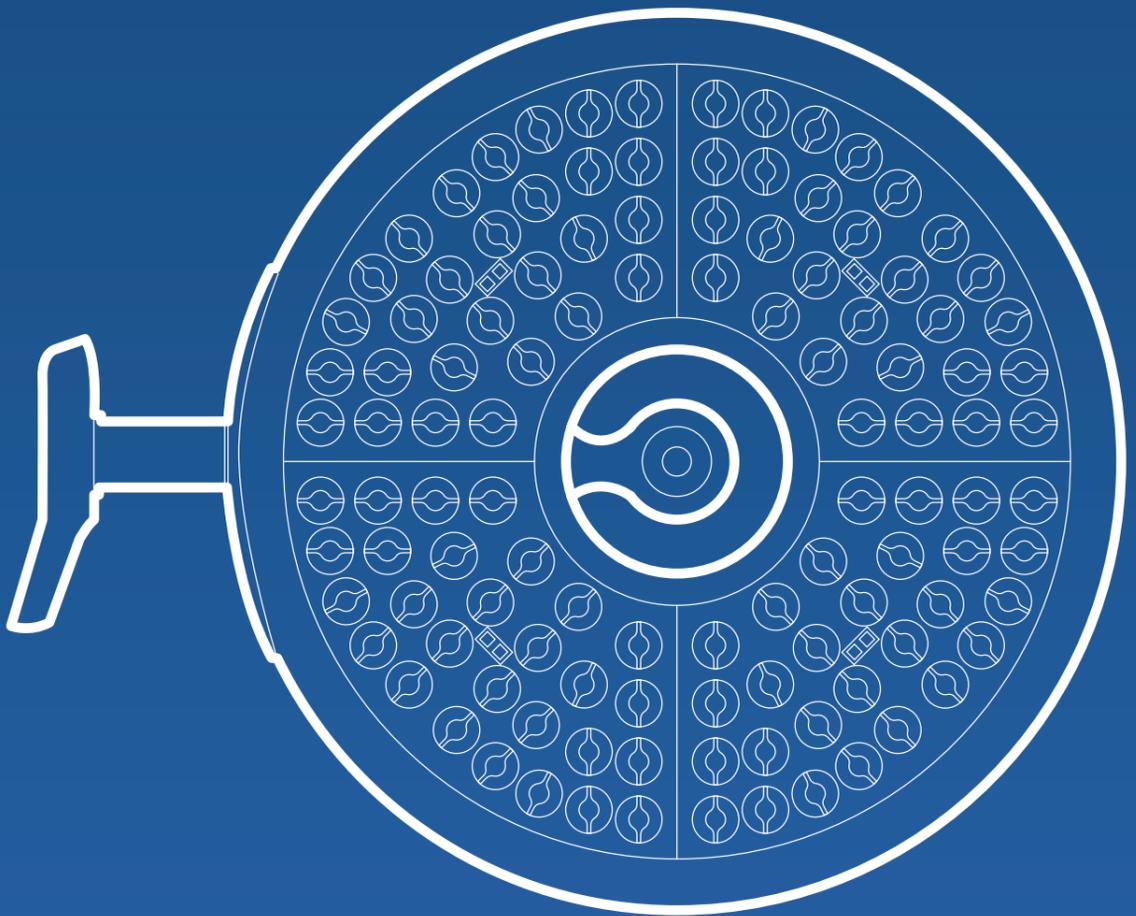


LUVIS | LIGHTS

MEDICAL LED ILLUMINATION

LUVIS, uses professional LED light sources delivers the most suitable light and prevent the ultraviolet and radiation for the patient.

LUVIS LIGHTS



W LUVIS | MEDICAL SYSTEMS

D-C-LVSL-V5-202602-ENG

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THE FIRST CHOICE for perfect operating rooms



DENTIS

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LUVIS TECHNOLOGY

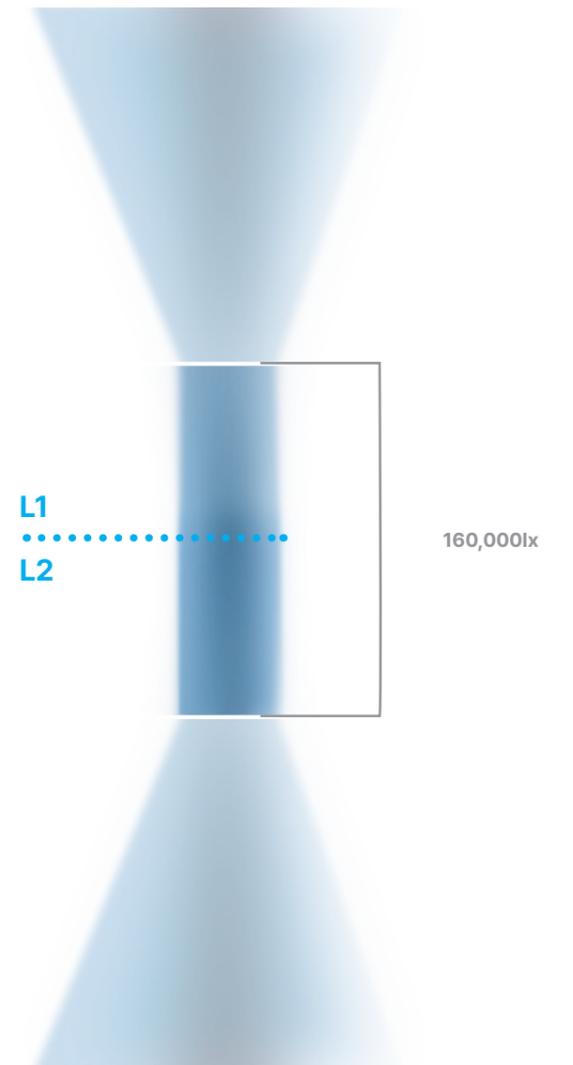
Shadow Dilution (Smart sensor)

One of the essential elements in a surgical environment is the shadowless effect. All of LUVIS's shadowless lights have achieved excellent shadowless effects through proprietary optical design technology. Even if the surgical area is covered, the motion sensors automatically compensates for the illuminance value.



Depth of Illumination (Smart sensor)

Depth of illumination is one of the main functions of operation and it refers to the degree of maintaining a uniform illuminance environment despite the different working distance. LUVIS Lights maintains a central illuminance of 160,000 lx and offers a high depth of field, making it effective for surgical areas that are narrow and deep.

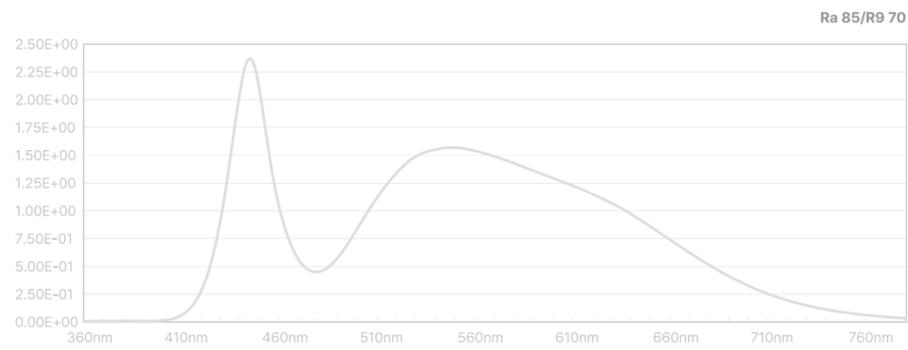


LUVIS TECHNOLOGY

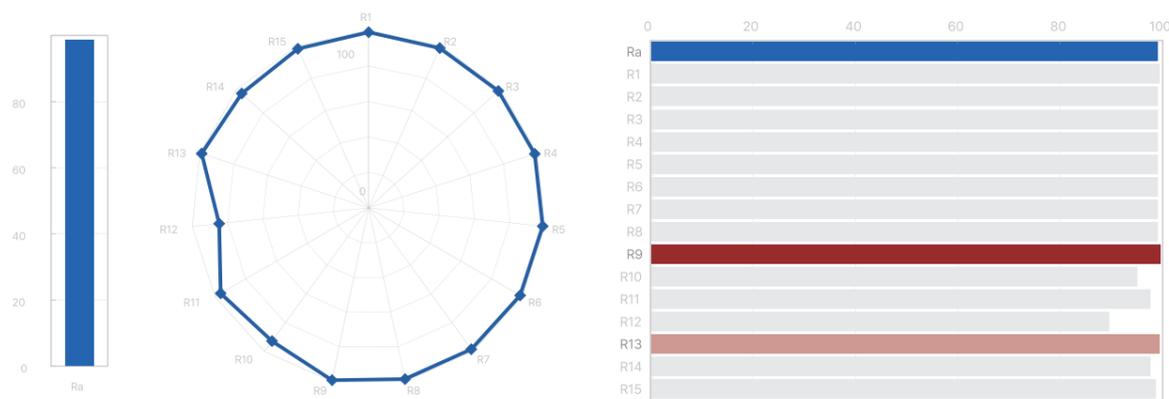
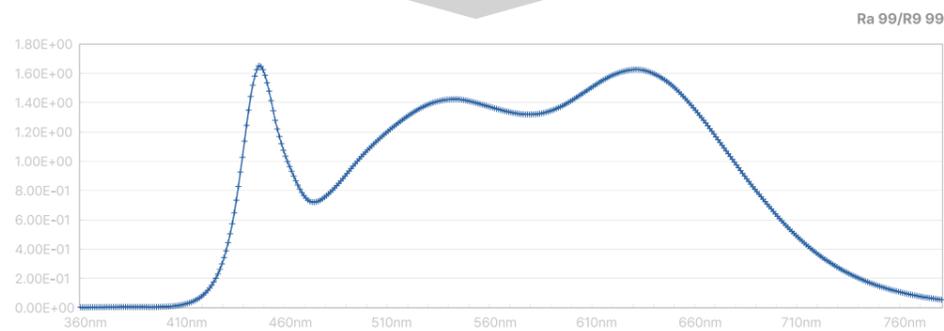
High Color Rendering Index

Ra 99/R9 99/R13 99

LUVIS Lights suggests high CRI which may realize more clear and nature-like color. LUVIS Lights using color filter lens exhibits high color rendering spectrum (R13 99) by lowering the blue wavelength (450nm) and increasing the green (500nm) and red (600nm) wavelengths. It helps to reduce the eye fatigue compared to higher brightness with low CRI.



Color Filter Lens



Intuitive Control Panel

The Intensity, Light Field Diameter and Color Temperature can be perfectly adjusted for the specific operation.

- Intensity can be adjusted from 16,000lx to 160,000lx continuously (Endo mode: 1,600lx-16,000lx).
- Light Field Diameter can be adjusted from 18cm to 34cm continuously.
- Color Temperature can be adjusted from 3,600K to 5,400K continuously.



LUVIS TECHNOLOGY

LUVIS 4K Camera



Designed as a wireless camera, it allows easy installation and use without complex wiring.

The entire suspension system, including the camera, supports 360° rotation, ensuring efficient light positioning during operation.

LUVIS 4K Camera offers 360° rotation, capturing multi-angle video and enabling video recording, real-time monitoring and screen capture from various angles during operation.

With ultra-clear image quality, it accurately documents intricate surgical procedures, making it highly suitable for education, conferences, and remote consultations.



Proprietary technology-based design ensures compatibility between the handle and camera, allowing customized configurations as needed. It can be flexibly installed and operated with both main light and satellite light, enhancing the efficiency of the surgical environment.

The dedicated wireless video transmission application enables monitoring through various devices such as monitors, tablet PC, and smartphones and camera control through tablet PC and wall controller. Recorded videos are easily managed and shared, maximizing operational efficiency and collaboration among medical professionals.



Incorporating the latest technology, LUVIS 4K Camera provides a more efficient surgical environment and delivers a reliable medical experience for healthcare professionals

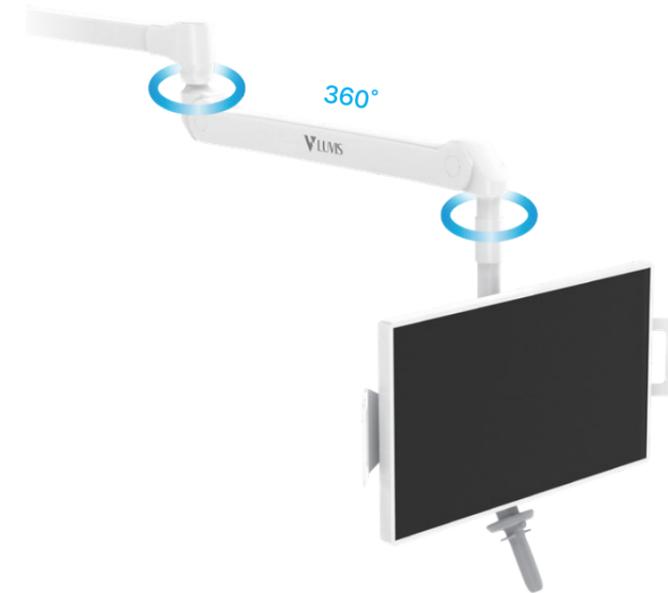
LUVIS TECHNOLOGY

LUVIS Suspension Arm

The head controller remains level even when the arm height changes during operation. The non-rotating display maintains a consistent viewing angle even when the light head is adjusted, allowing convenient control from any position.



Allows full 360° arm rotation for flexible positioning from any angle. Maintains consistent control and a stable visual reference during adjustment.

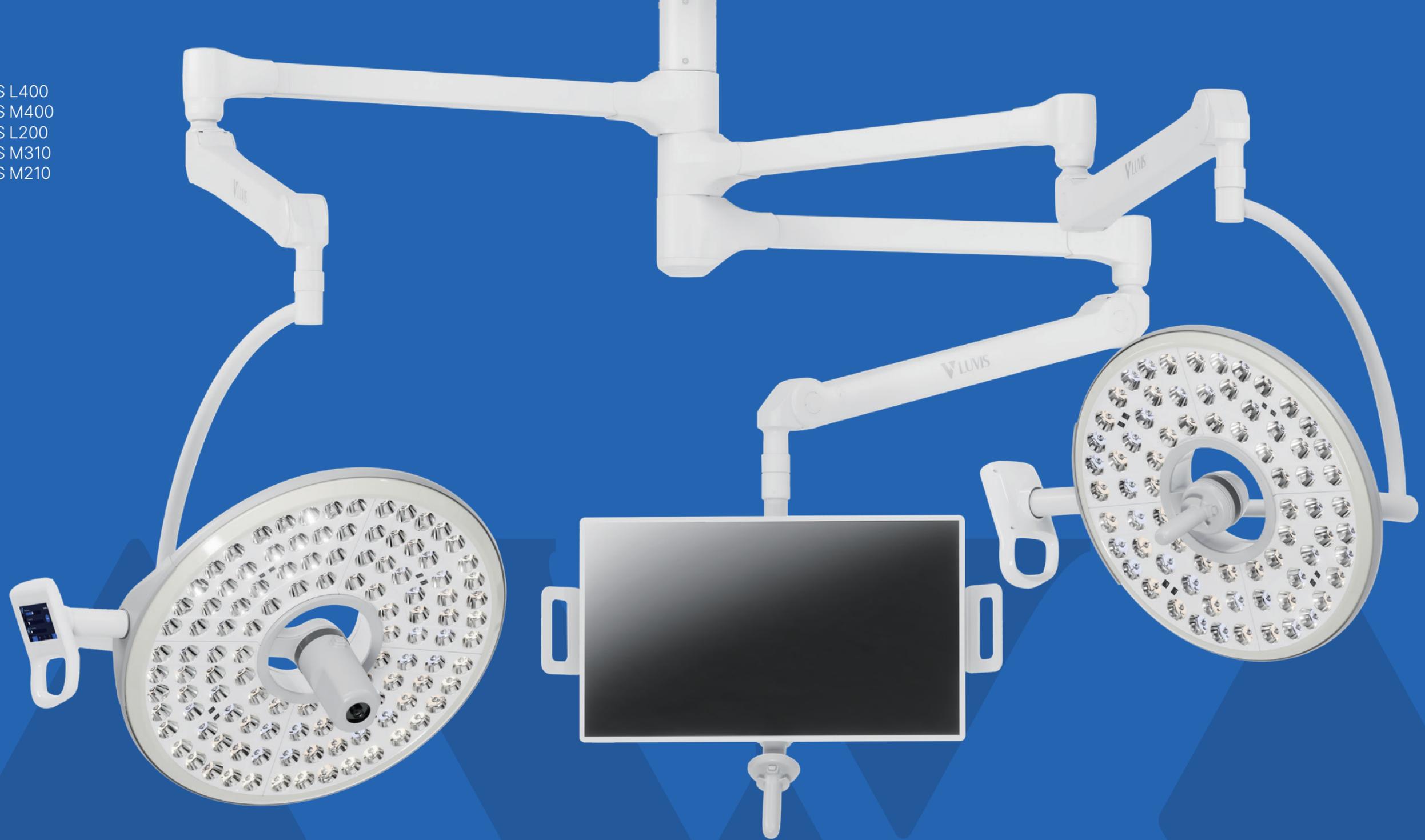


Offers a vertical tilt range from -70° downward to +10° upward. Ensures clear visibility for medical staff and supine patients from various viewing positions.

Clear adjustment markings guide angle and tension control. Allows quick adjustment without removing the cover, reducing setup time and maintenance effort



LUVIS L400
LUVIS M400
LUVIS L200
LUVIS M310
LUVIS M210



LUVIS PRODUCTS
SURGICAL LIGHTS

LUVIS | L400/M400



L400

M400

Features



Global Standard



International Certification



High Technology

LUVIS | L400

Smart
Comfortable
Utilitarian



Features



Illumination Intensity
Continuous adjustment
(Max. 160,000lx)



Color Rendering Index
Ra 99/R9 99/R13 99



Light Field Diameter
Continuous adjustment
18-34cm



Smart Sensors
Enhancement of shadow dilution
& depth of illumination



Color Temperature
Continuous adjustment
3,600K-5,400K



ENDO Mode
Suitable for endo-surgery
by one click, Ec*1-10%



Synchronized Control
One controller can control the other at
the same time

Continuously Adjustable Light Intensity, Color Temperature and Light Field Diameter

Light intensity (Maximum 160,000lx)
Color temperature (3,600K-5,400K)
Light field diameter (18cm-34cm)



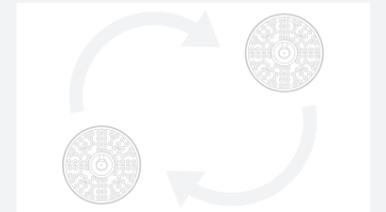
Smart Sensors in LUVIS L400

Detects movements by the surgeon or medical staff,
allowing them to adjust the light's intensity



Synchronized Control

A synchronization system provides convenience and
efficiency by allowing two lights to be controlled simultaneously



Optional Features



4K Camera / Full HD Camera



Tablet PC Controller



Wall Controller



Battery

LUVIS | M400

Available
Compatible
Eco-friendly



Features



Illumination Intensity
Continuous adjustment
(Max. 140,000lx)



Light Field Diameter
Continuous adjustment
18-30cm



Color Temperature
Continuous adjustment
3,600K-5,400K



Color Rendering Index
Ra 95/R9 95/R15 95



Smart Sensors
Enhancement of shadow dilution
& depth of illumination



ENDO Mode
Suitable for endo-surgery
by one click, Ec*1-10%



Synchronized Control
One controller can control the other at
the same time

Continuously Adjustable Light Intensity, Color Temperature and Light Field Diameter

Light intensity (Maximum 140,000lx)
Color temperature (3,600K-5,400K)
Light field diameter (18cm-30cm)



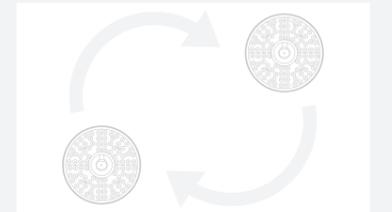
Smart Sensors in LUVIS M400

Detects movements by the surgeon or medical staff,
allowing them to adjust the light's intensity



Synchronized Control

A synchronization system provides convenience and
efficiency by allowing two lights to be controlled simultaneously



Optional Features



4K Camera / Full HD Camera



Tablet PC Controller



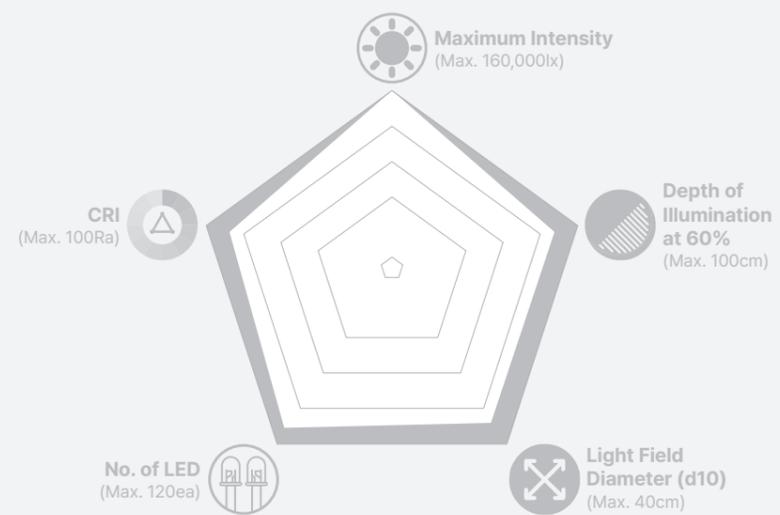
Wall Controller



Battery



Features



User Friendly Design



Professional LED



Robust Reliability

LUVIS | L200

Comfortable
Eco-friendly
Smart



Features



Illumination Intensity
6 levels adjustment (Max. 160,000lx)



Color Rendering Index
Ra 95/R9 90/R13 99



Light Field Diameter
20-30cm



Smart Sensors
Enhancement of shadow dilution & depth of illumination



Color Temperature
3,800K/4,300K/4,800K



ENDO Mode
Suitable for endo-surgery
by one click, E_c*5%

Smart Sensors in LUVIS L200

Detects movements by the surgeon or medical staff, allowing them to adjust the light's intensity



User Friendly Design with the Grips

Quick controller & Autoclavable handle



Optional Features



Full HD Camera



Wall Controller



Battery

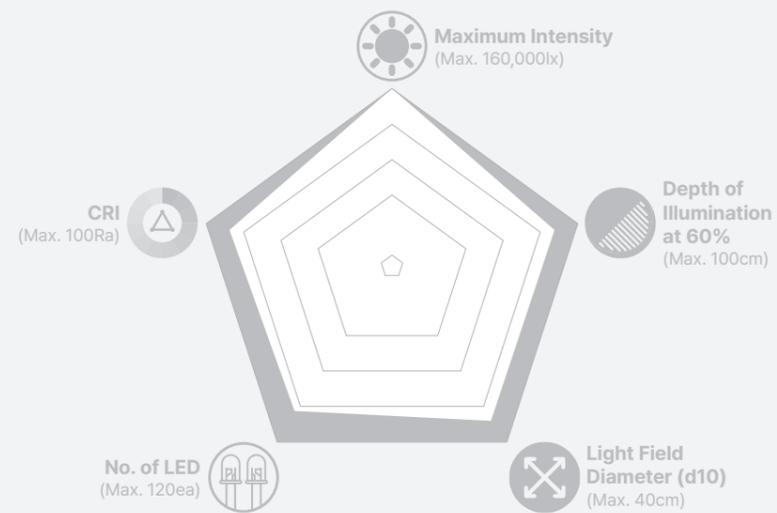
LUVIS | M310/M210



M310

M210

Features



Enhanced Visibility



Professional LED



Healthcare Design

Various
Eco-friendly
Convenient



Features



Illumination Intensity
Max. 160,000lx



Color Temperature
M300: 4,300K
M310: 3,800K/4,300K/4,800K



Light Field Diameter
6 steps adjustment
(20-30cm)



ENDO Mode
Suitable for endo-surgery
by one click, Ec*5%

Smart Sensors in LUVIS M310

Detects movements by the surgeon or medical staff, allowing them to adjust the light's intensity



Adjustable Color Temperature

The color temperature in the range 3,800K to 4,800K, provide a balance between visibility and comfort for the surgical team.



Optional Features



Full HD Camera



Wall Controller



Battery

Various
Eco-friendly
Convenient



Features



Illumination Intensity
Max. 120,000lx



Color Temperature
M200: 4,300K
M210: 3,800K/4,300K/4,800K



Light Field Diameter
6 steps adjustment
(20-30cm)



ENDO Mode
Suitable for endo-surgery
by one click, Ec*5%

Adjustable color temperature

The color temperature in the range 3,800K to 4,800K, provide a balance between visibility and comfort for the surgical team.



Detachable Centergrip

Quick controller & Autoclavable handle



Optional Features

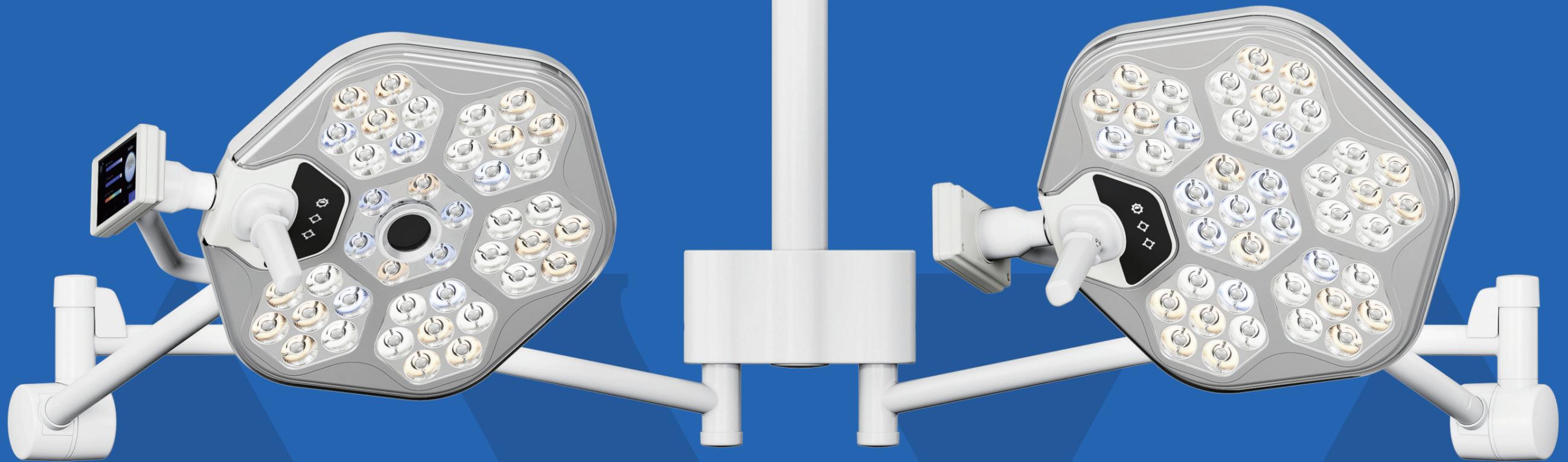


Wall Controller



Battery

LUVIS S300
LUVIS S250
LUVIS S200
LUVIS E100

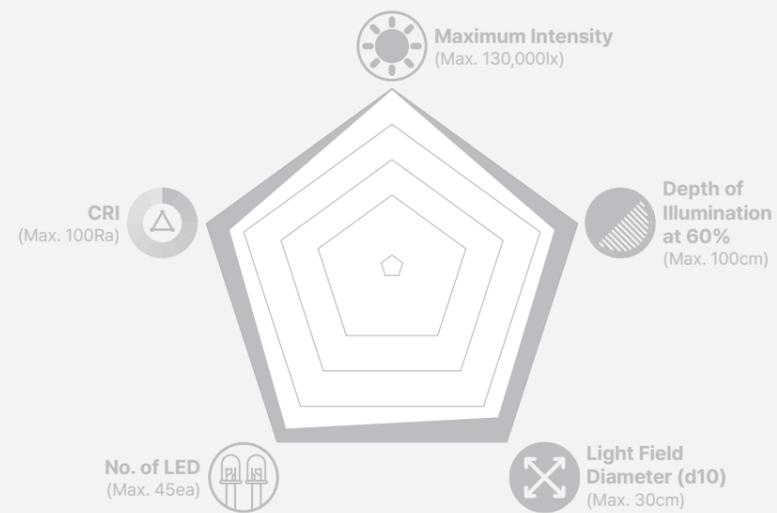


LUVIS PRODUCTS

EXAMINATION LIGHTS



Features



Efficacy and Safety



Consistent Lighting



Eyes Protection

Compatible
Quick
Convenient



Features



Illumination Intensity
3 Step adjustment (Max. 130,000lx)



Color Rendering Index
Ra 98/R9 97



Light Field Diameter
3 Step adjustment (15-25cm)



3 Different Modes
Surgical mode (130,000lx)
Examine mode (60,000lx)
Dental mode (30,000lx)



Color Temperature
3,800K/4,300K/4,800K

ARM Touch Control (5" LCD)

Light (1 or 2) Control

- Light 1/Light 2 select
- Light ON/OFF
- Light field diameter, Intensity, Color temperature

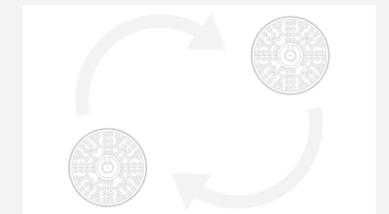
Sync Mode

- Light (1 and 2) sync



Synchronized Control

A synchronization system provides convenience and efficiency by allowing two lights to be controlled simultaneously



Easy Control System

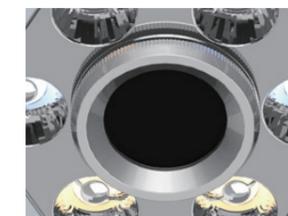
Integrated handle and remote controllers provide seamless and precise lighting control, optimizing surgical workflow and enhancing user convenience



Optional Features



Tablet PC Controller



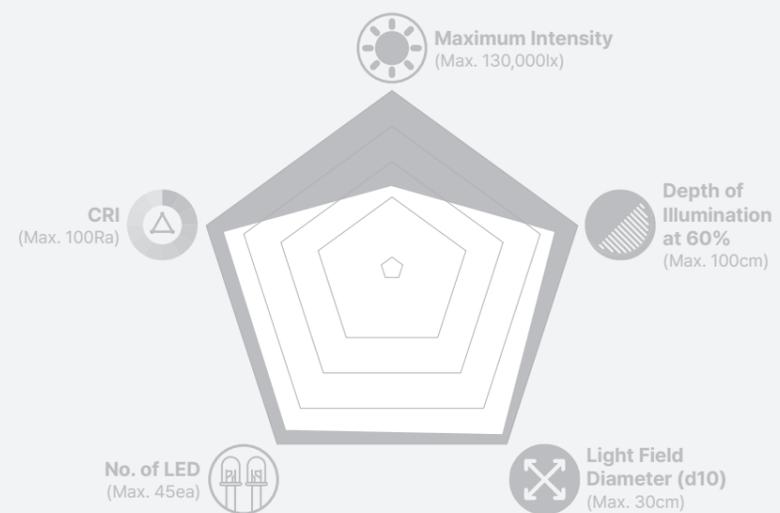
Full-HD Camera



Battery



Features



New and Smart Design



High Energy Efficiency



Easily Adjustment

Quick
Various
Eco-friendly



Features



Illumination Intensity
3 Step adjustment (Max. 110,000lx)



Color Rendering Index
Ra 97/R9 97



Light Field Diameter
3 Step adjustment (15-25cm)

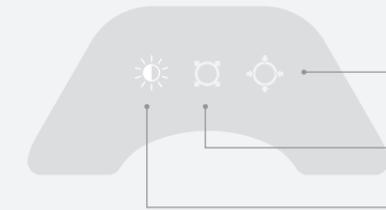


ENDO Mode
3 Step adjustment
(5,000lx-15,000lx)



Color Temperature
3,800K/4,300K/4,800K

Handle Touch Control
(Quick & Easy)



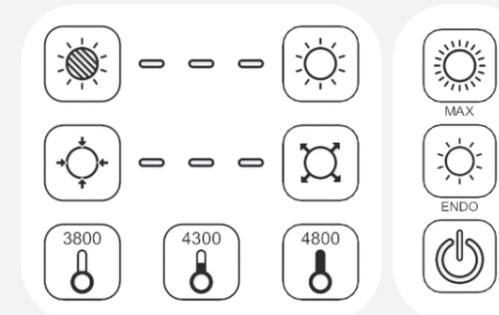
Light Field Decrease

Light Field Increase

Intensity Control
(1 → 2 → 3 → 1, Rotate)

ARM Touch Control
(Intuitive)

Light Control
- Brightness (Intensity) 3 step
- Light field diameter 3 step
- Color temperature 3 step



Max. Mode
- Light field diameter 3 level
- Intensity 3 level

Endo Mode
- Light field diameter 1 level
- Intensity & Color temperature 3 step
(5,000lx-15,000lx)

Light ON/OFF

Remote Controller
(Wireless)

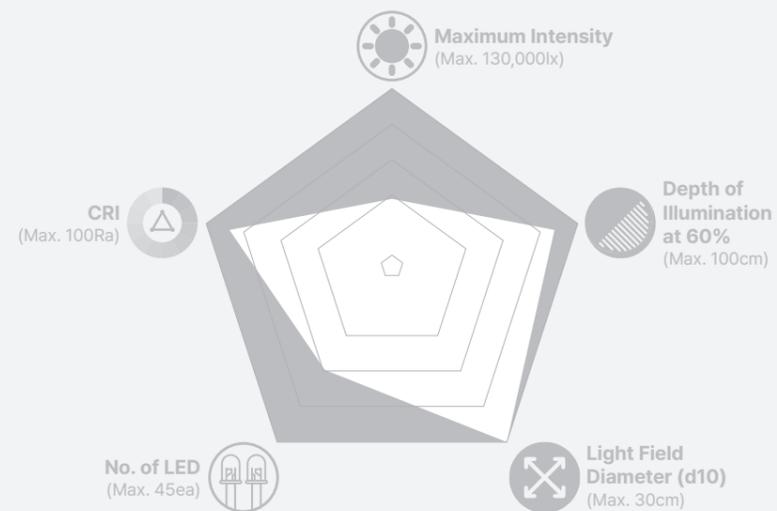
The remote controller provides seamless control of brightness and settings, enabling efficient management of the surgical environment



- Brightness (Intensity) Up/Down
- Light field diameter Rotate
- Color temperature 3 step



Features



Energy Saving



Low Heating



Simple Handling

Excellent
Various
Easy



Features



Illumination Intensity
5 levels adjustment (Max. 100,000lx)



Color Temperature
3,800K/4,300K/4,800K



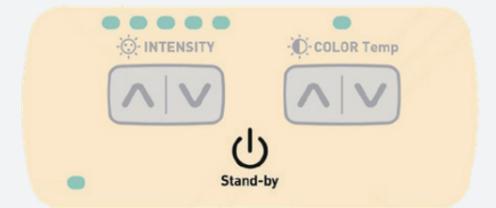
Light Field Diameter
Selectable focal size (18cm/30cm)
by rotating main handle



Color Rendering Index
Ra 90

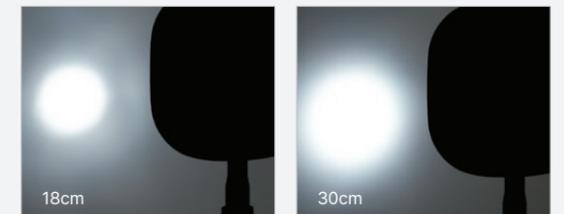
Easy Control

- Intensity: 100,000lx (Max.)
- Color temperature: 3,800K/4,300K/4,800K
- Light field diameter: d18cm/30cm



Adjustable Light Field Diameter

Light field diameter adjustment from 18cm or 30cm allows for light adjustment suitable for the surgical environment



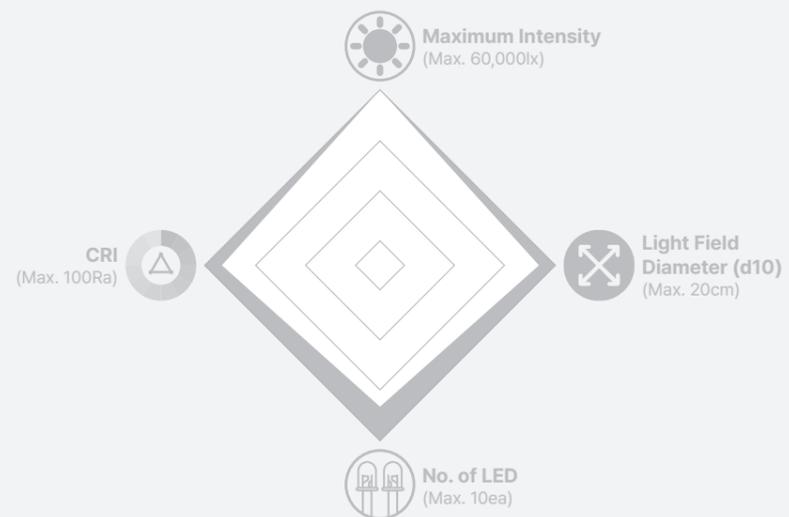
Adjustable Color Temperature

The color temperature in the range 3,800K to 4,800K, provide a balance between visibility and comfort for the surgical team.





Features



Medical Treatment



Comfortable Type



Simple and Easy



Simple
Clear
Affordable

Features



Illumination Intensity
3 levels adjustment (Max. 60,000lx)



Color Temperature
3,500K/4,000K/4,500K



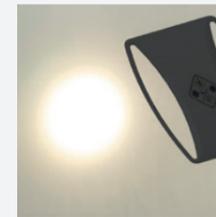
Light Field Diameter
17cm



Color Rendering Index
Ra 95

Adjustable Color Temperature

The color temperature in the range 3,500K to 4,500K, provide a balance between visibility and comfort for the surgical team



3,500K



4,000K



4,500K

Easy to Install and Use

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



Various Installation



Wall Type



Ceiling Type



Mobile Type

Technical Specifications

Model		L400	M400
Design (light head)			
Head Size (cm)		Ø 73	Ø 63
No. of LED (ea)		112	72
Central Illumination Ec (lx)		160,000	140,000
Electronic Adjustment Range (%)		10-100 (continuous)	10-100 (continuous)
Endo Mode (Illumination, lx)		1,600-16,000 (1-10% continuous)	1,400-14,000 (1-10% continuous)
Color Temperature (K)		3,600-5,400 (continuous)	3,600 - 5,400 (continuous)
Color Rendering Index (Ra/R9/R13)		99/99/99	99/99/99
Light Field Diameter (d10, cm)		18-34 (continuous)	18-30 (continuous)
Light Field Diameter (d50, cm)		10-19	10-18
Shadow Dilution (%)	With Tube	95	100
	With 1 mask/With 1 mask+tube	92/85	85/85
	With 2 mask/With 2 mask+tube	70/65	70/70
Depth of Illumination at 60% (cm)		85	80
Illumination Energy (W/m ²)		549.2	470.6
Power Consumption (VA)		138	97
Life Span (Hr)		60,000	60,000
Detachable Centre Grip		Yes(2X)	Yes(2X)
Certificate		CE/UL/FDA	CE/UL/FDA
Installation Type		Single Ceiling Dual Ceiling Mobile	Single Ceiling Dual Ceiling Mobile
Option		Full-HD Camera 4K Camera Tablet PC(App) Wall Controller Backup Battery	Full-HD Camera 4K Camera Tablet PC(App) Wall Controller Backup Battery

Model		L200	M310	M210
Design (light head)				
Head Size (cm)		66×66	60×60	50.6×50.6
No. of LED (ea)		96	84	54
Central Illumination Ec (lx)		160,000	160,000	120,000
Electronic Adjustment Range (%)		25-100	25-100	30-100
Endo Mode (Illumination, lx)		8,000	8,000	6,000
Color Temperature (K)		3,800/4,300/4,800	M300: 4,300 M310: 3,800/4,300/4,800	M200: 4,300 M210: 3,800/4,300/4,800
Color Rendering Index (Ra/R9/R13)		95/90/99	96/90/96	95/90/95
Light Field Diameter (d10, cm)		20-30	20-30	20-30
Light Field Diameter (d50, cm)		12-18	12-18	12-18
Shadow Dilution (%)	With Tube	98	100	100
	With 1 mask/With 1 mask+tube	80/70	65/60	50/50
	With 2 mask/With 2 mask+tube	70/65	55/50	48/48
Depth of Illumination at 60% (cm)		85	90	65
Illumination Energy (W/m ²)		546	540/540	419/428
Power Consumption (VA)		135	M300: 125 M310: 120	M200: 72-102 M210: 79-111
Life Span (Hr)		60,000	60,000	60,000
Detachable Centre Grip		Yes(2X)	Yes(2X)	Yes(2X)
Certificate		CE/UL/FDA	CE/UL/FDA	CE/UL/FDA
Installation Type		Single Ceiling Dual Ceiling Mobile	Single Ceiling Dual Ceiling Mobile	Single Ceiling Dual Ceiling Mobile
Option		Full-HD Camera Wall Control Box Backup Battery	Full-HD Camera Wall Control Box Backup Battery	Wall Control Box Backup Battery

Technical Specifications

Model		S300	S250
Design (light head)			
Head Size (cm)		42.2×40.9	37.2×38
No. of LED (ea)		S300 : 42 S300 CAM : 41	34
Central Illumination Ec (lx)		130,000	110,000
Electronic Adjustment Range (%)		40-100	40-100
Endo Mode (Illumination, lx)		-	5,000 - 15,000 (3 level)
Color Temperature (K)		3,800/4,300/4,800	3,800/4,300/4,800
Color Rendering Index (Ra/R9/R13)		96/95/99	97/97/99
Light Field Diameter (d10, cm)		15-25	15-25
Light Field Diameter (d50, cm)		9-15	9-15
Shadow Dilution (%)	With Tube	100	100
	With 1 mask/With 1 mask+tube	-	-
	With 2 mask/With 2 mask+tube	50/50	50/50
Depth of Illumination at 60% (cm)		S300 : 75 S300 CAM : 70	80
Illumination Energy (W/m ²)		454	376
Power Consumption (VA)		77	61
Life Span (Hr)		60,000	60,000
Detachable Centre Grip		Yes(2X)	Yes(2X)
Certificate		CE/UL/FDA	CE/UL/FDA
Installation Type		Single Ceiling Dual Ceiling Mobile Wall	Single Ceiling Dual Ceiling Mobile Wall
Option		S300 : Tablet PC(App) / Backup Battery S300 CAM : Full-HD Camera / Tablet PC(App) / Backup Battery	Backup Battery

Model		S200	E100
Design (light head)			
Head Size (cm)		35×34×11	25×24.6×6.6
No. of LED (ea)		18	8
Central Illumination Ec (lx)		100,000	60,000 (50cm)
Electronic Adjustment Range (%)		5-100	50-100
Endo Mode (Illumination, lx)		-	-
Color Temperature (K)		3,800/4,300/4,800	3,500/4,000/4,500
Color Rendering Index (Ra/R9/R13)		90/80/95	95/90/97
Light Field Diameter (d10, cm)		18/30	17
Light Field Diameter (d50, cm)		9.5/16.5	9.5
Depth of Illumination at 60% (cm)		100	-
Illumination Energy (W/m ²)		-	-
Power Consumption (VA)		48/48	-
Life Span (Hr)		78	-
Detachable Centre Grip		331	217
Certificate		45-67	28-46
Installation Type		60,000	60,000
Option		Yes(2X)	-
		CE/UL/FDA	CE/UL/FDA
		Single Ceiling Dual Ceiling Mobile Wall	Single Ceiling Mobile Wall Clamp
		-	-



Ceiling

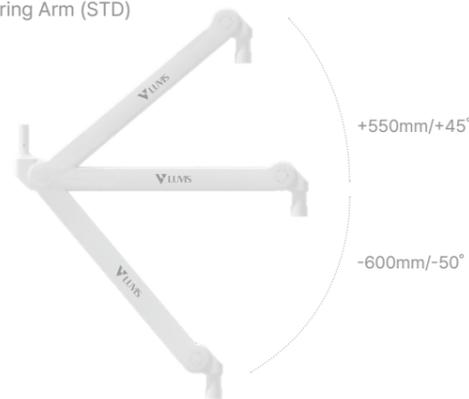


Mobile

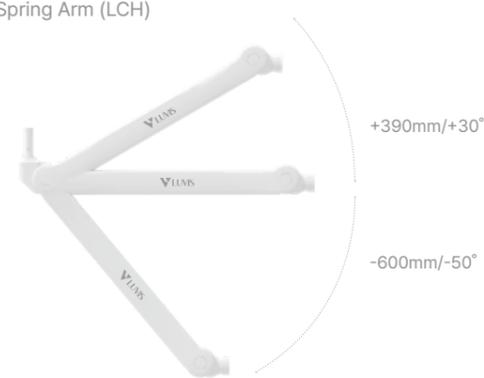


Monitor

Spring Arm (STD)



Spring Arm (LCH)



Technical Specification

■ Ceiling Type

Type	Arm Length (mm)	Weight (kg)	Electric (Vac/Vdc/Max.A)	Ceiling Canopy (mm)	Color	Rotate Angle (°)
1 Fold	850	12	3P : slip ring 100-240/28/10	Φ600×150	RAL 9010	3P : 360 WS : 320
2 Fold	700/850	19				
3 Fold	700/850/1,000	31				
Hybrid 1 Fold	1,650	16				
Hybrid 2 Fold	1,500/1,650	30				

(Abbreviations) WS: With Stop

Spring Arm

Type	Arm Length (mm)	Weight (kg)	Electric (Vac/Vdc/Max.A)	Payload (kg)	Payload (Nm)	Color	Rotate Angle (°)
STD	900	8	3P : slip ring 100-240/28/10	5-9/9-15/14-21	91-136/125-204	RAL 9010	95
LCH	940			80			

Monitor Bracket (accessory)

Type	Arm Length(mm)	Weight(kg)	Color	Tilt Angle (°)	Rotate Angle (°)	Monitor Size (Max.inch/kg)
Single	300	6	RAL 9010	Up: 10 Down: 70	3P : 360 WS : 320	32/12

(Abbreviations) WS: With Stop

■ Mobile Type

Base

Type	Weight (kg)	Electric (Vac/Vdc/Max.A)	Color	Rotate Angle (°)
Basic	60 (only mobile parts)	3P slip ring 100-240/28/10	RAL 9010	30
Battery				

Spring Arm

Type	Arm Length (mm)	Weight (kg)	Electric (Vac/Vdc/Max.A)	Payload(Nm)	Color	Rotate Angle (°)
LCH	940	8	3P : slip ring 100-240/28/10	91-136/125-204	RAL 9010	80

Multifaceted Configuration



Single Arm
Light or Monitor



Dual Arm
Light + Light
or
Light + Monitor



Triple Arm
Light + Light + Monitor

