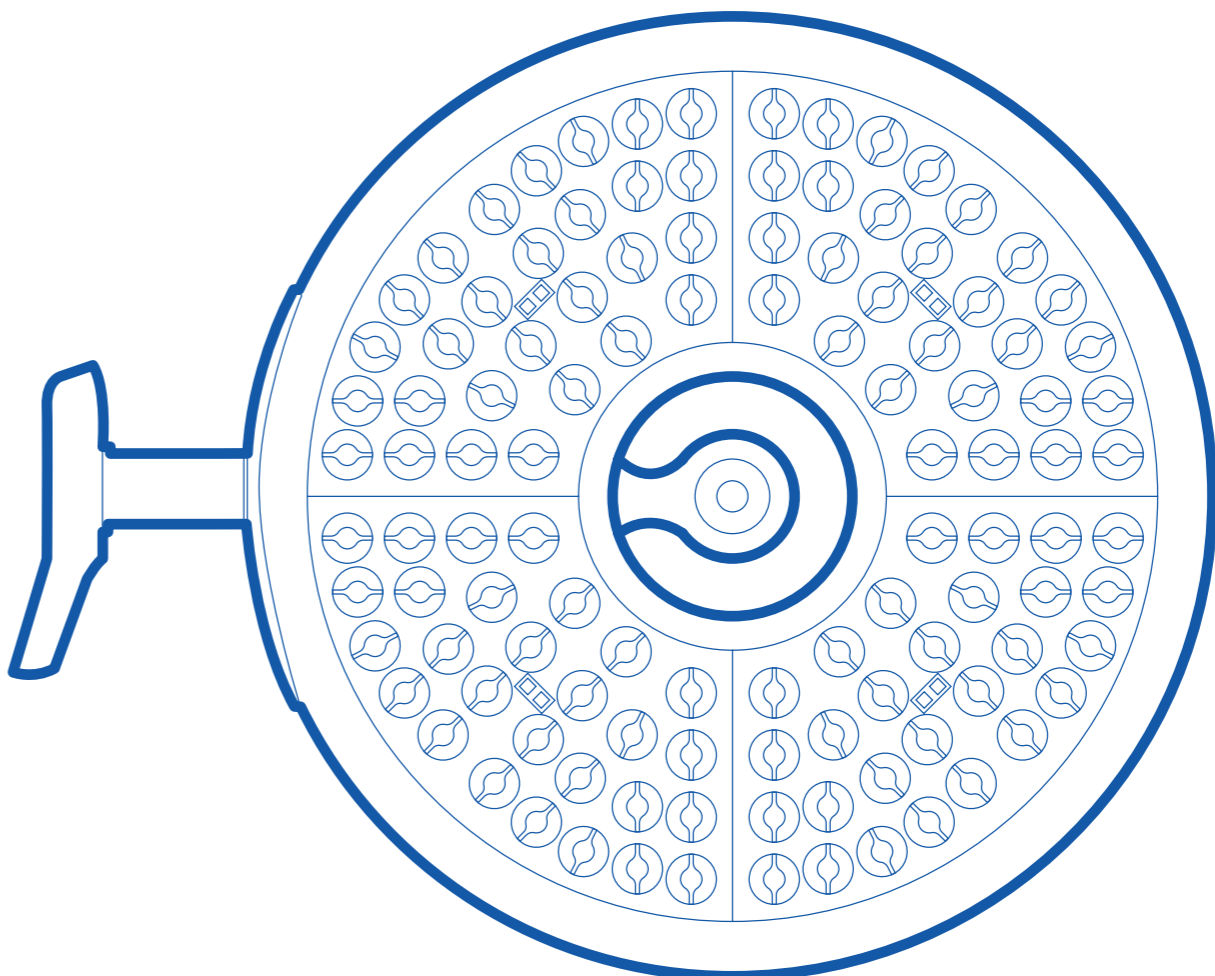


# LUVIS | LIGHTS

## 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



DENTIS Co., LTD.  
[www.luvvis.co.kr](http://www.luvvis.co.kr)

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DENTIS MEDICAL DIVISION (SEOUL OFFICE) 286, Beotkkot-ro, Geumcheon-gu, Seoul, Korea

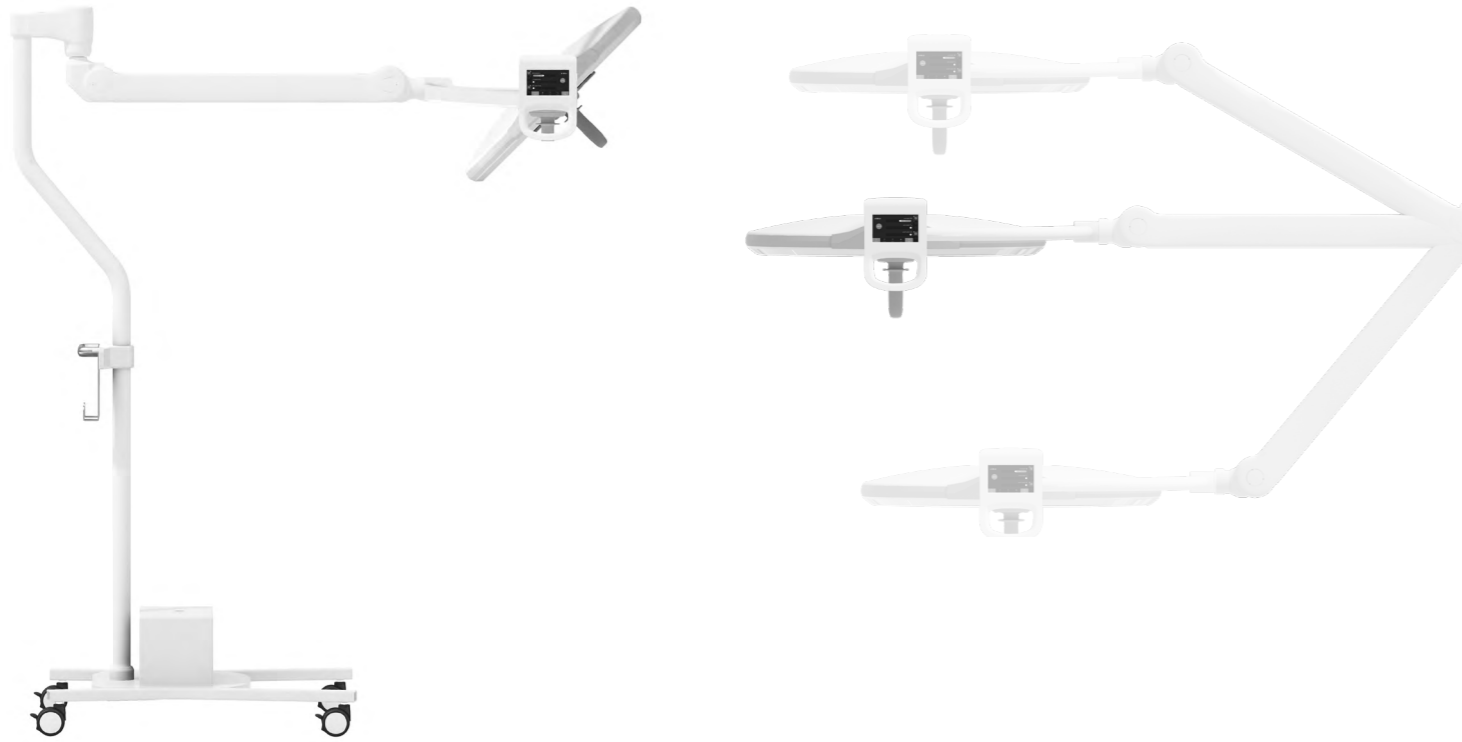
Tel +82-53-583-2804  
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## LUVIS TECHNOLOGY

### LUVIS Suspension Arm

The head controller level remains constantly even when the height of the arm changes during the operation. It provides convenience to the surgeon during the operation and the non-rotating display allows the lighting to be controlled at any position.



The display angle of the surgical light remains unchanged, even when the angle of the lights head is adjusted



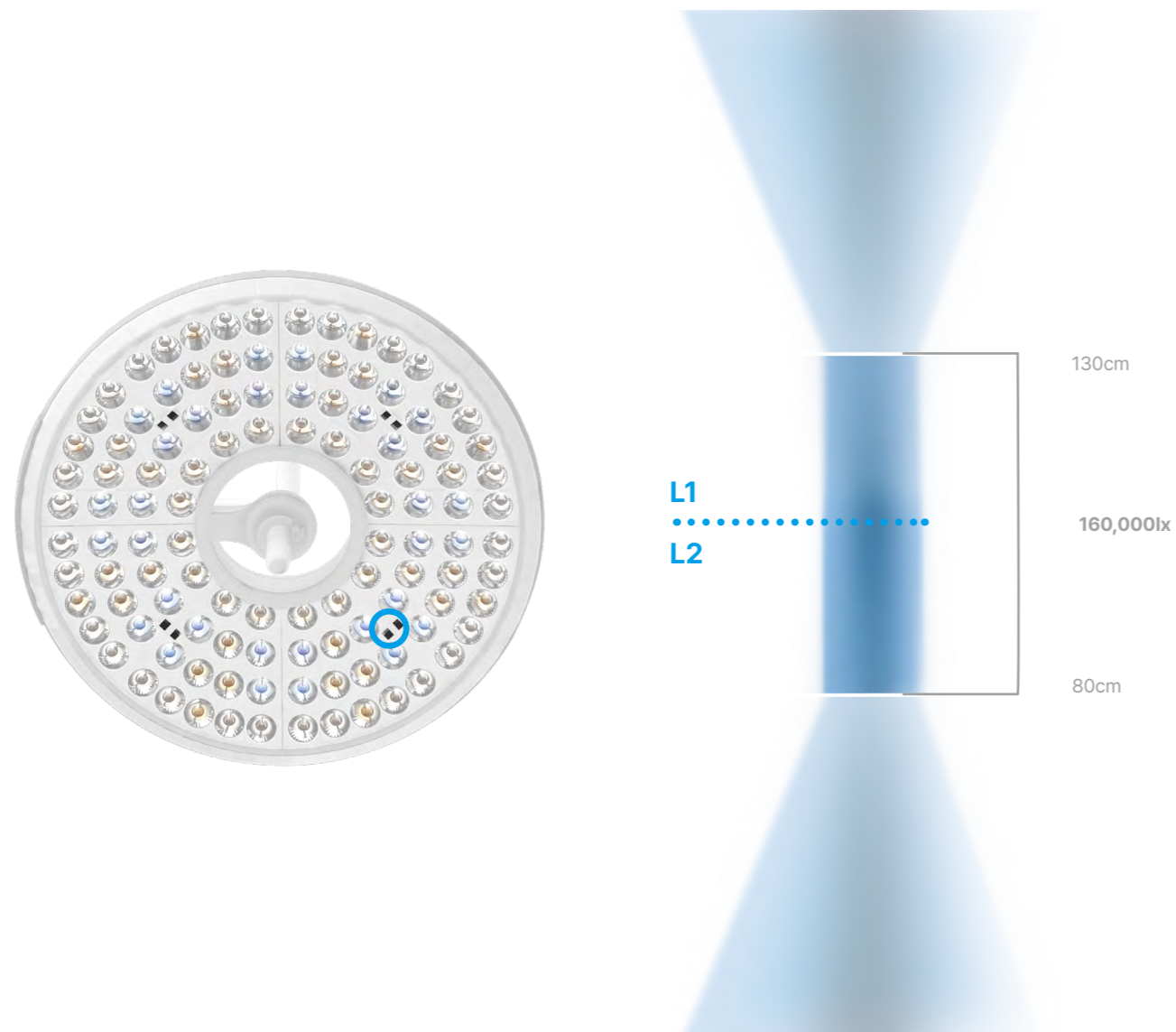
### Shadow Dilution (Smart sensor)

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 sensor automatically compensates for the illuminance value.



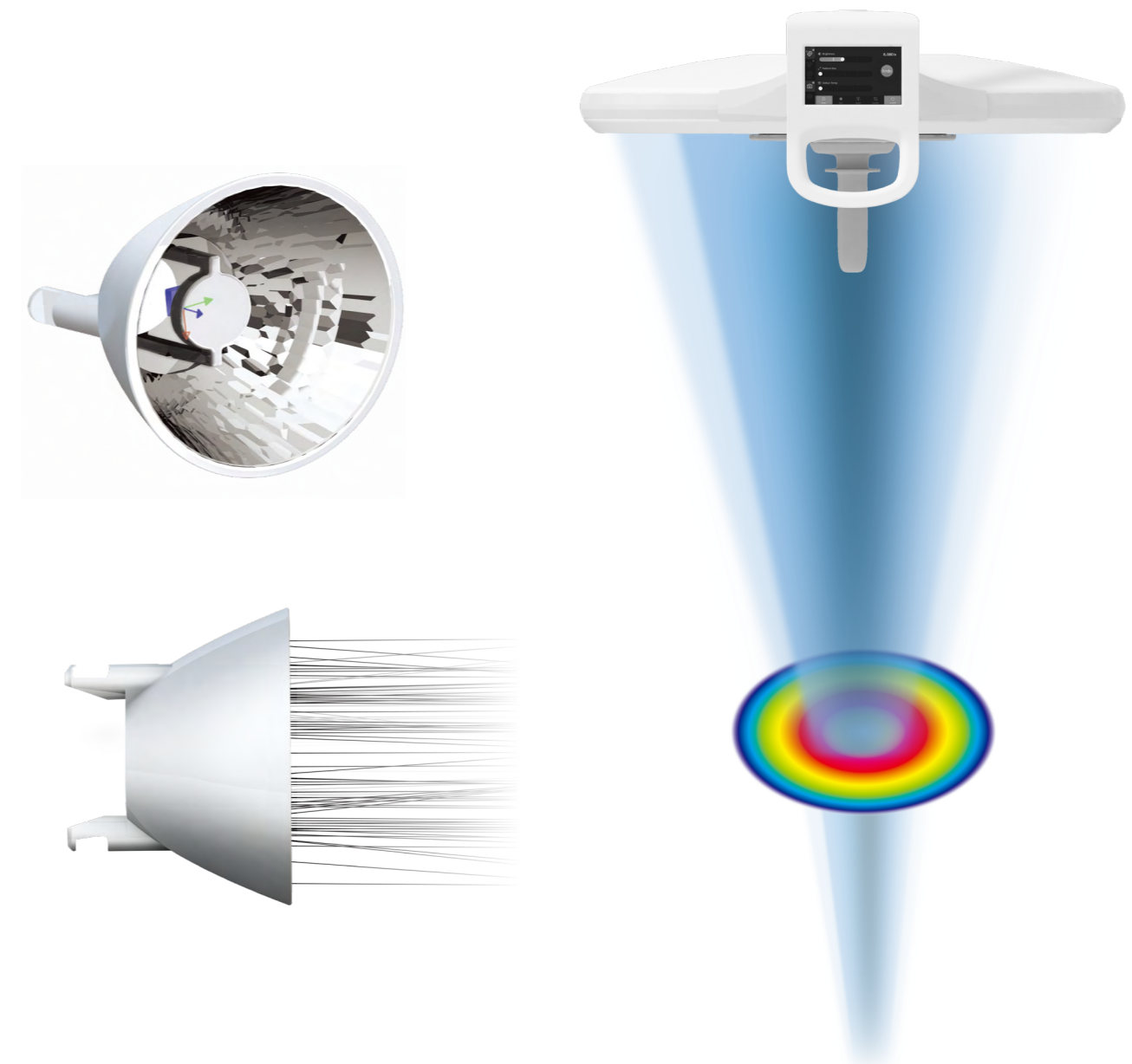
## Depth of Illumination (Smart sensor)

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 ensures that the central illuminance remains at 160,000lx from 80 cm to 130cm, high depth of field is effective in cases where the surgical area is narrow and deep.



## Hybrid LED System

A Hybrid optical system is a hybrid product that combines a reflector and shield. It performs various functions such as color temperature and light field diameter adjustment with low power consumption. Also, a hybrid LED system was used to enhance the color separation effect, in result it allows eye comfort during the surgery.

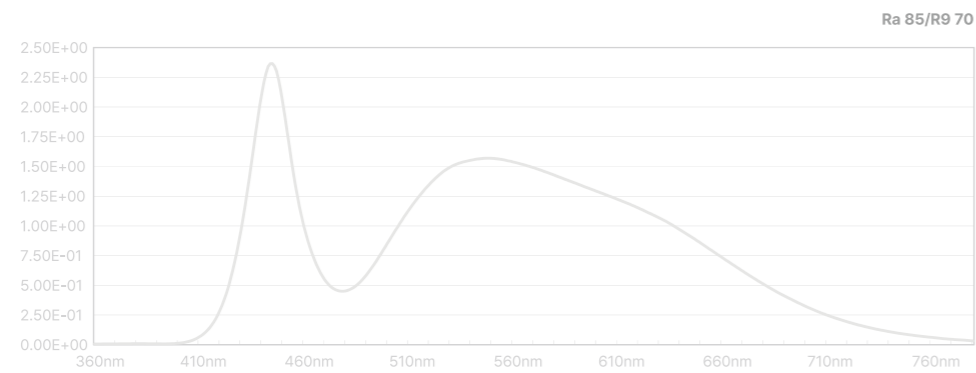


## LUVIS TECHNOLOGY

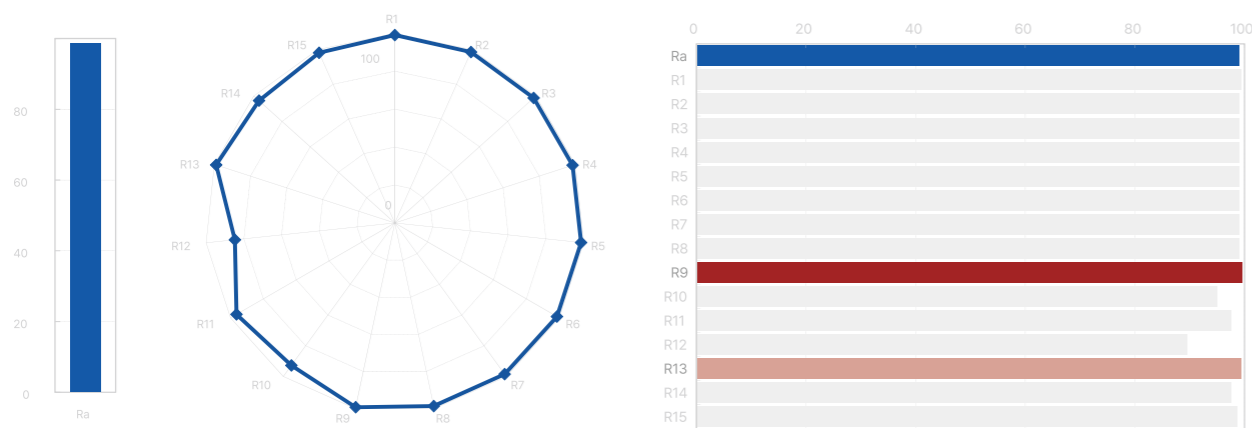
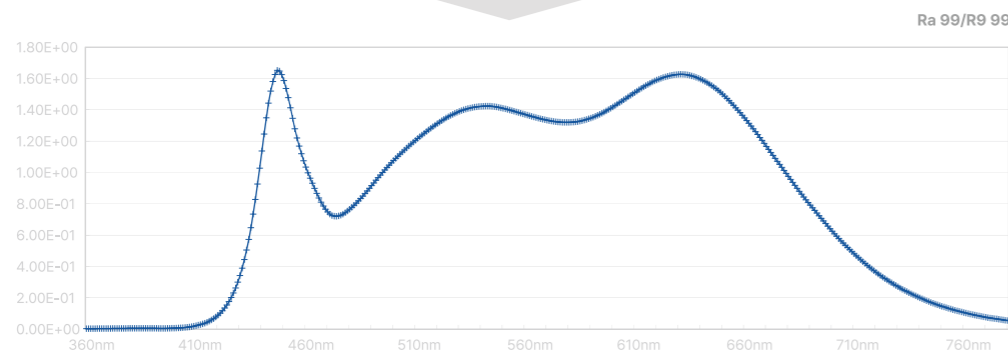
### High Color Rendering Index

#### 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 (Ra 99/R9 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.

