

A modern, sleek LED desk lamp with a long, adjustable arm and a bright white light source. The lamp is mounted on a tall, dark grey stand. The stand features a vertical touch-sensitive control panel with various icons and text. The lamp is illuminated, casting a soft glow. In the background, there are several vertical bars of different colors (red, orange, yellow, green, blue, purple) that correspond to the 'ColorVi' branding.

ColorVi

LED Desk Lamp
MICROPROJECTION SYSTEMS

SAI TECHNOLOGY

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LED Desk Lamp MICROPROJECTION SYSTEMS

ColorVi

LED lighting equipment with sensitive lighting function for study and light therapy

- Full color expressive function
- Function of improving study efficiency through color temperature
- Function of psychotherapy effect by color

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Color picker

With touched color, user-friendly, touch-input function for free color expression as the lighting user prefers

Function of expressing all colors through color and illuminance control in the lighting

Offering 256 kinds of full-color expression through color and illuminance control using three colors (RGB) LED light source. The color or brightness of the lighting can be adjusted according to the user's mood or surrounding atmosphere. Considering individual user's eye fatigue and mental state, maximize the efficiency of study and light therapy function by widening selection width.

Change color temperature & color brightness according to your tastes depending on the object of leaning!

Study mode function

Design to improve learning efficiency with the selection of most suitable color temperature according to learning content (mathematics, language, creativity) by applying various data including illuminance and color temperature of solar heat



Language section



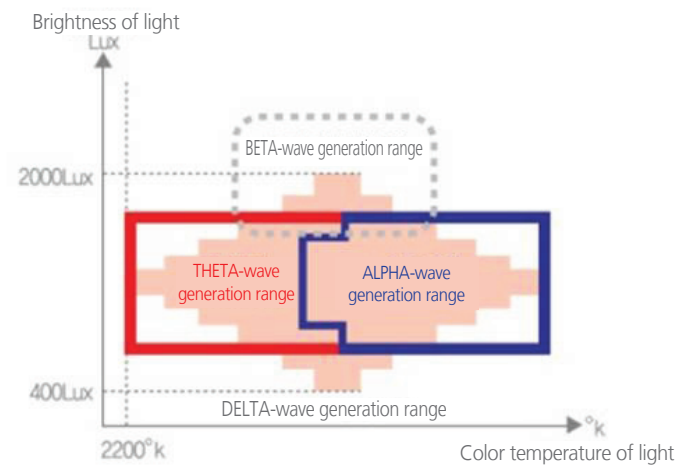
Mathematics section



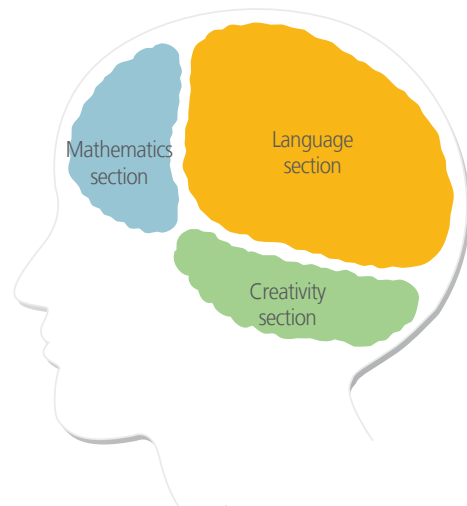
Creativity section

Study lighting function

Improve efficiency by learning sections



<SIH(Sun In Home) system Brainwave analysis table for the illuminance adjustment of artificial lighting system>



Light-therapy mode function

Although this developed product can express all colors, it is specialized for blood circulation and tension relaxation functions, considering stress from study, and organized for easy use.



Blood circulation



Tension relaxation

Adjust color temperature & color brightness freely according to three sections: language, mathematics, and creativity!

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Language section

Color suitable for morning time

With color and brightness suitable for the subjects that require linguistic thinking skills, such as Korean, foreign languages, and history, this color helps to generate BETA waves for improved study results.

Temperature (4200k~4600k)



Mathematics section

Clear blue sky color

With color and brightness suitable for the subjects that require linguistic thinking skills, such as Korean, foreign languages, and history, this color helps to generate BETA waves for the study.

Temperature (7600k~8000k)



Creativity section

Color at twilight

With color and brightness suitable for the subjects that require sensitive and creative thinking skills, such as essays, arts, and music, this color helps to generate THETA waves for improved study.

Temperature (2200k~2600k)

<Study-related information>

- Extract from <Effect of flickering light on brainwave activity> Dr. Gray Walter, UK, 1940.

- The law of Yerkes Dodson. <The law of cognitive psychology related to brain alertness level and leaning efficiency>

LED Desk Lamp

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Psychotherapy effect with color



Red Light for blood circulation

Red, representing passion, effects on relieving wounded area and congested area. Also this color can stimulate blood circulation.



Blue light for fatigue recovery and mental stability

Blue is known to provide progressing effect and reliability. Research founded that this color boosts smooth metabolism, stimulates growth, and recovers blood circulation to normal state.



Orange light to relieve depression

Orange, mix of red and yellow, is warm and active, but softer and arouse more pleasure than red. In addition, this color is known to help digestion, by promoting mind, warming the body, and reinforcing spleen function.



Violet light for diet (appetite suppressant)

Mind-stabilizing violet. The physiological image of violet is spring, and this color reinforces affection with sweetness and empathy, and creates the feeling of love.



Yellow light for treating colds, motor nerve activation

Yellow is the color of the sun, a mass of energy. Therefore, it is known to activate motor neurons, and has an effect on creating energy used in muscle especially. This color is also effective on digestion and giving vitality to our body.



Green light for anticancer effect

Green that helps to balance emotion is commonly used to cure diseases related to physiological states such as depression.

<Light therapy related information>

- <Healthy lighting system development and application plan for residential space> Anseop Choi, Jeongeun Lee, Byeongcheol Park, Oct. 2004,
- <Clinical application and effect of color therapy> Eunsook Park, family physician, Gangnam St. Mary's Hospital, 2003

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Sleeping lamp, sensitive design LED lighting equipment

- Function playing a role in providing sensitive lighting
- Indoor interior effect with sleeping lamp and innovative product design

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