



iK Medico 

Medical Beauty Supplier

Chom Chom LED beauty mask

For amazing skin rejuvenation
and antiaging treatment

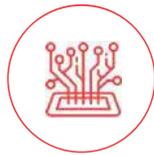
Made in Korea

Manufactured by trustworthy
Korean technology

All process from product development to production
Korean engineers make a study and develop.



Design
Conception



Circuit
Design



Production



Assembly

There are so many LED masks
Which one should I choose?

Actually valid 4 wavelengths LED lights
Lightweight and easy to use



Boost
Moisture



Collagen



Whitening



Derma Robust

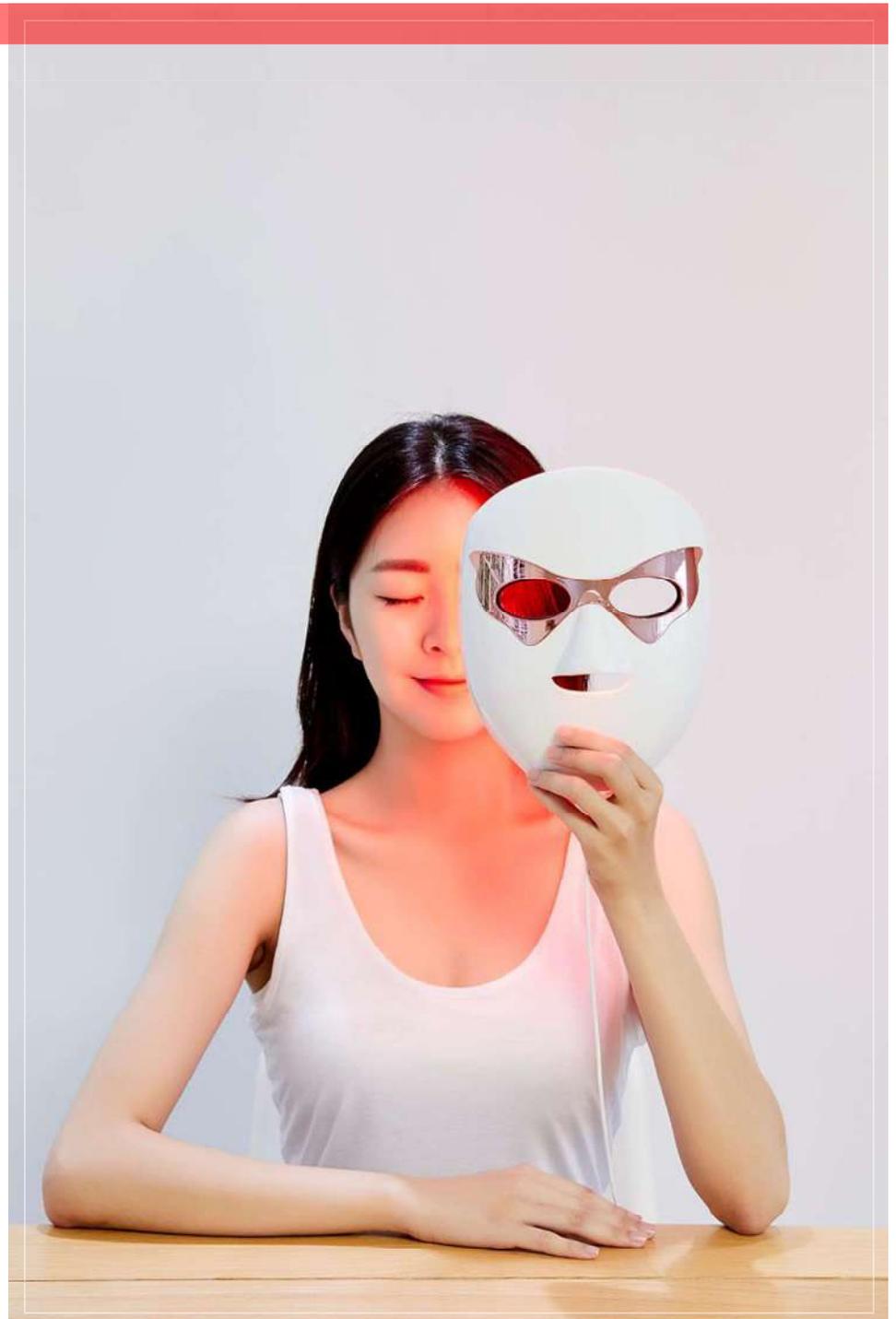


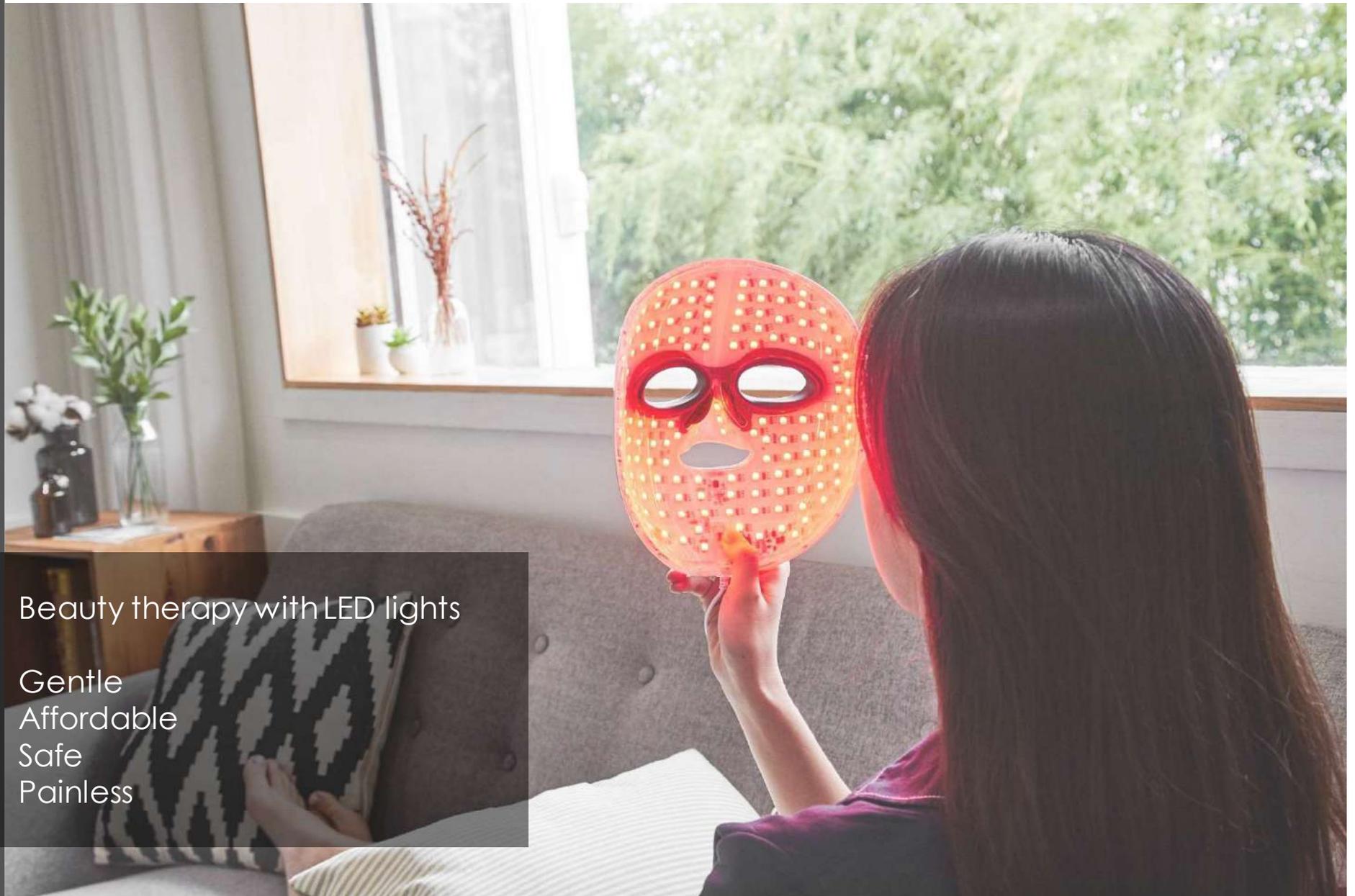
Tightening



Elastine

Safe and satisfactory result
No UV rays & No side effect





Beauty therapy with LED lights

Gentle
Affordable
Safe
Painless

What LED light is

LED(light emitting diode) is a semiconductor light source that emits light when current flows through it. Electrons in the semiconductor recombine with electron holes, releasing energy in the form of photons. The color of the light (corresponding to the energy of the photons) is determined by the energy required for electrons to cross the band gap of the semiconductor. LED is used for many parts of human life such as lighting, car, TV and medical industries, especially beauty therapy treatment.

LED light for beauty therapy

LED Light is state of the art skin rejuvenation treatment that uses therapeutic wavelength of light energy to improve skin conditions. LED uses invisible and visible wavelength that deliver light energy into the deep skin.

LED light is absorbed into the skin and skin uses it as a form of energy. LED stimulates skin cells with low level, and non-thermal energy that gives damage like IPL or other lasers.

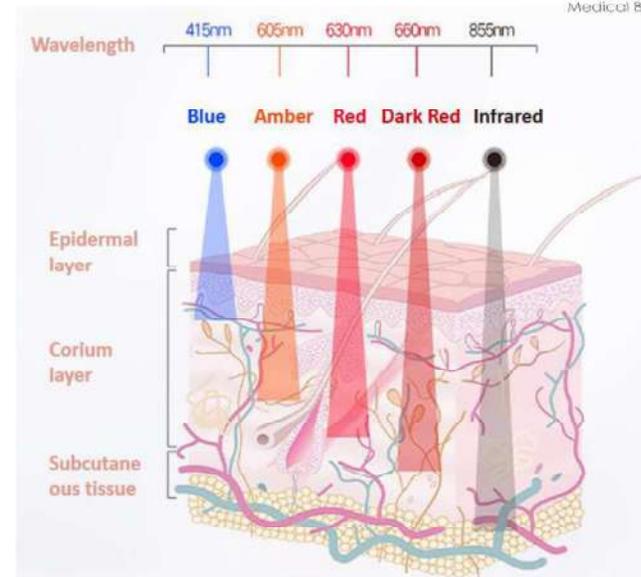
LED therapy treatment revitalizes the function of skin cells and promotes to produce collagen and elastin proteins. It is an effective treatment for anti-aging and skin rejuvenation as well as makes firm and healthy skin.

LED therapy treatment is scientifically proved to be one of the safest treatment. It doesn't emit ultraviolet wavelength and thermal energy so it is not able to damage skin tissues.

Applications of LED light

LED light helps with a wide range of skin concerns of :

- Age spots and pigmentation
- Reduction of fine wrinkles
- Improvement of skin tone and texture
- Sun damaged and aged skin
- Soothing irritating and red skin
- Dull looking skin
- Acne treatment



Functions of each wavelength

Wavelength (nm)	Color	Depth (mm)		Functions	Chom Chom LED mask
450	Blue	0.5	Epidermis	Eliminating bacteria causes acne	-
500	Green	1.0	Epidermis	Soothing troubles and skin tone up	√
550	Yellow	2.0	Epidermis	Improvement of spot and redness	√
650	Red	3.0	Dermis	Reduction of fine wrinkles Improvement of skin tones and texture Activating active ingredients of cosmetics	√
750 ~	NIR	5.0	Deep dermis	Stimulating collagen elastic fiber Skin rejuvenation	√

Chom Chom LED beauty mask For perfect skin rejuvenation!

Strength Points

■ Optimal 4 LED wavelengths

For most suitable treatment of skin rejuvenation and moisturizing

■ LEDs x 576

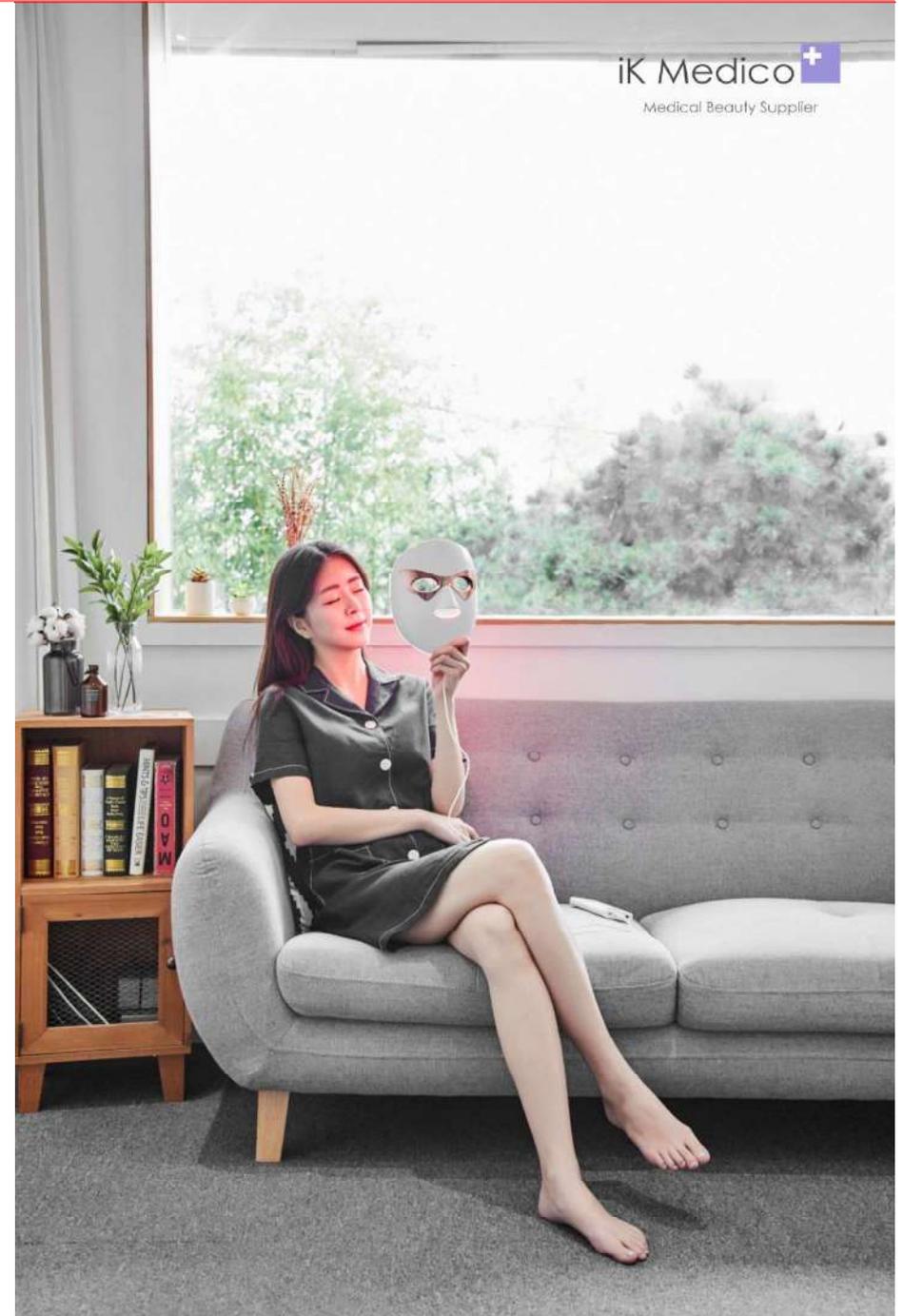
To treat whole face gently and effectively

■ 100% UV & Blue light free

To keep your facial skin and eyes safe
No side effect and No recovery time

■ 3D Face fit design

Suitable design to fit your face
Minimize loss of LED light energy



Optimal 4 LED wavelengths

Chom Chom LED beauty mask emits 4 kind of wavelength that is actually effective for skin rejuvenation and anti-aging treatment.

Green light

Soothing skin troubles and skin tone up

Yellow light

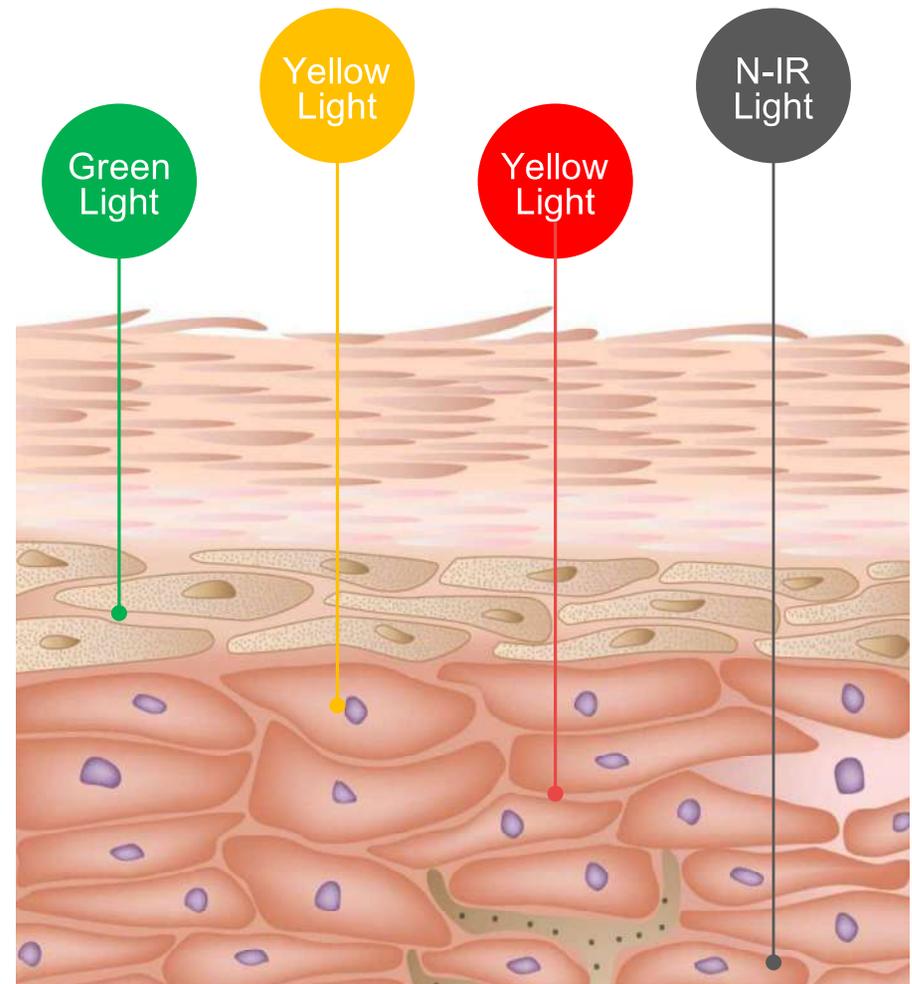
Improvement of sensitive skin and redness

Red light

Reduction of fine wrinkles
Improvement of skin tones and texture
Activating active ingredients of cosmetics

Near infrared

Stimulating collagen elastic fiber
Skin rejuvenation





A mode
Red + NIR
for 14 minutes



B mode
Yellow + NIR
for 9 minutes



C mode
Green + NIR
for 9 minutes



D mode
All color + NIR
for 20 minutes

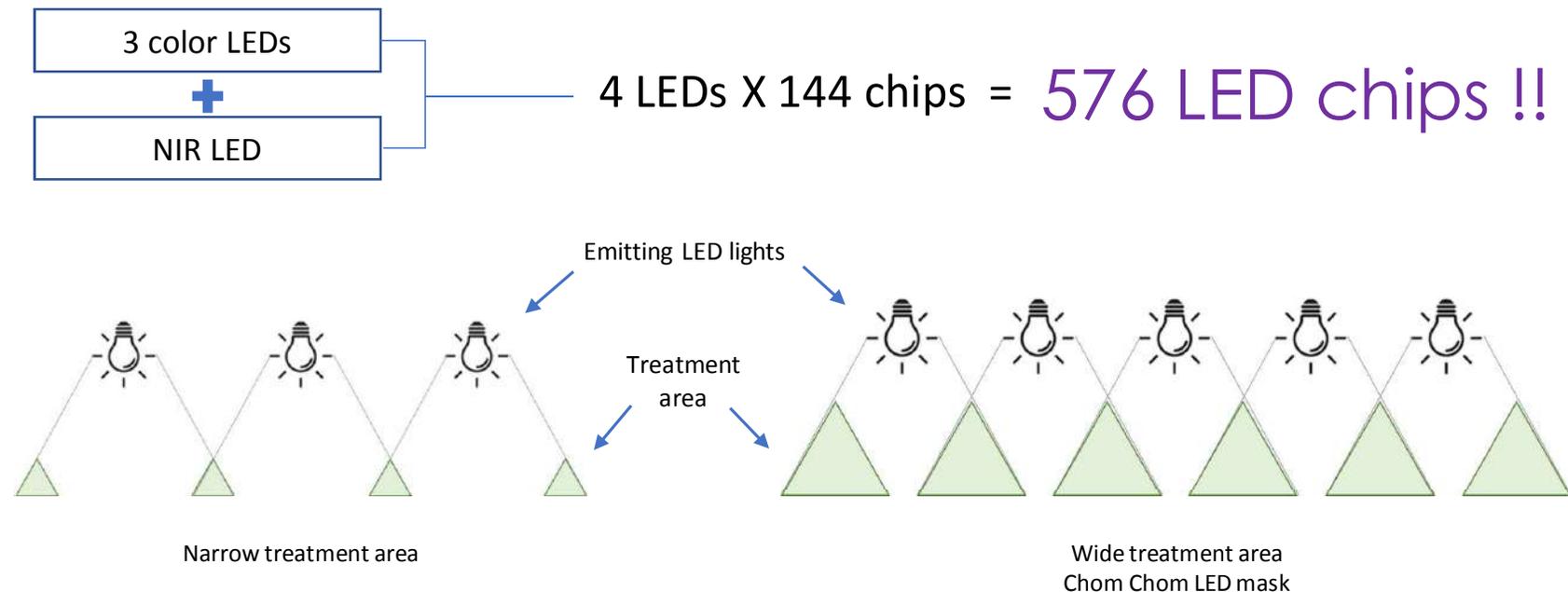


Treatment effects are different according to each LED lights color. User can choose the color and get treatment what they want to treat. NIR(near infrared) is emitted same time during all 4 LED wavelengths being generated so it maximizes the skin rejuvenation and anti-aging effects.

LEDs X 576

Most important and essential things for good treatment results of LED mask is the number of LED. Some LED mask manufacturer only uses under 100 LEDs or 100~200 LEDs and it can't emit whole face. Therefore the treatment result is bad than expected and satisfaction of patients lower.

Chom Chom LED mask has :



Chom Chom LED mask emits on a wide range of treatment area and its brightness is 30% higher than other LED masks.

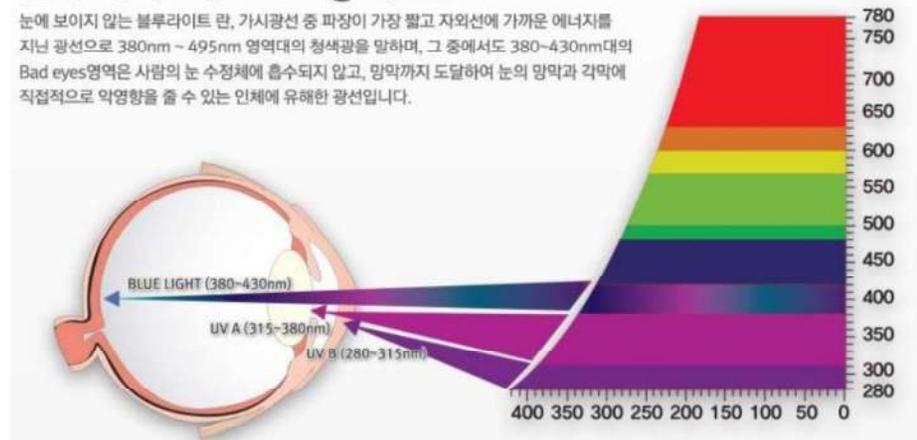
100% UV & Blue light free

Totally excludes

Blue light and UV !!

블루라이트(Blue light)란?

눈에 보이지 않는 블루라이트란, 가시광선 중 파장이 가장 짧고 자외선에 가까운 에너지를 지닌 광선으로 380nm ~ 495nm 영역대의 청색광을 말하며, 그 중에서도 380~430nm대의 Bad eyes영역은 사람의 눈 수정체에 흡수되지 않고, 망막까지 도달하여 눈의 망막과 각막에 직접적으로 악영향을 줄 수 있는 인체에 유해한 광선입니다.



Blue light in LED lighting from smart phone, TV and LED therapy devices has risks on your eyes and skin !!

Causes eye problems

Blue light can damage the eye's retina. Blue light is not absorbed in the eye lens and reached to eye's retina. This has a bad influence on retina and cornea and causes macular degeneration.

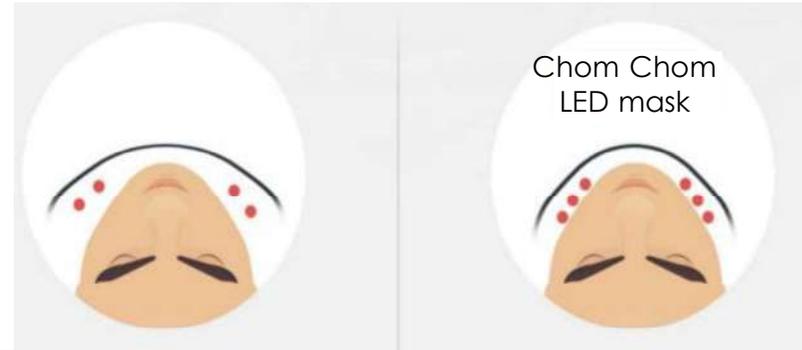
Skin pigmentation and aging

Blue light poses potential skin harm via free radical generation, as blue light has been shown in studies to induce oxidative stress in live skin. This can contribute to skin ageing, like exposure to UV. Blue light has the ability to penetrate deeper into the skin compared with UV light and affect the collagen and elastin. It might cause pigmentation and aging.

3D Face fit design

Suitable design to fit the face

Suitable design to fit your face
Chom Chom LED mask has round flexible design. It surrounds the face round and emits LED light evenly and minimizes loss of LED light energy.



If the distance of light is decreased in half, the light intensity is stronger 4 times.

With perfect LED emitting technology, Chom Chome LED mask shows great treatment results and patient satisfaction.

Comparison with other products

	A product	B product	Chom Chom LED mask
Emitting area			
	Normal	Narrow	Wide
LED Chip (standard model)	60 ea × 2 wavelengths = 120 ea	60 ea × 3 wavelengths = 180 ea	144 ea × 4 wavelengths = 576 ea
Curvedness design			
	Curved horizontal (Nose reached)	Curved vertical (Cheek reached)	Curved round and wide
	Nose reached and some space between cheek	Cheek reached and some space between nose	3D face fit design Emits LED light to whole face

Certificates and Patents



Korea Radio waves Act



CE EMC Electromagnetic Compatibility



US Federal Communication Commission



Certificate of Patents for LED therapy and design



FDA Class 1



2019 Korean Beauty Health Industry Awards Brand Award in LED Mask part hosted By The Korean Herald and Herald Business

Recommended Use



Wash your face and apply facial cream or gel type mask pack (transparent one)



Attach pads at top and bottom inside of LED mask



Connect USB cable to external battery charger

***External battery charger is not included on export model.**



Press power button and start LED therapy for 10~20minutes



Recommended treatment time is 20 minutes a day and 4~7 times a week. According to the skin condition increase or decrease treatment time.

This LED mask can use after applying skin care cosmetics like moisturizing cream or gel type mask pack which is transparent (no color) because LED light should penetrate into the skin.

Recommended Use



Those who want economical and convenience skin care at home



Those who want synergy effect with cosmetics and mask pack

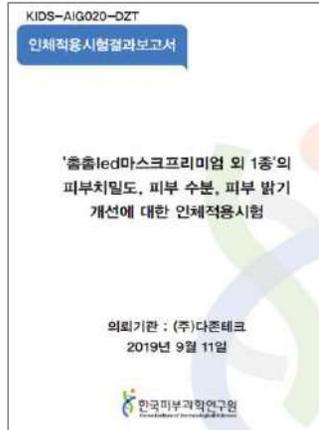


Those who want similar treatment effect to professional skin care shop



Those who have skin concerns like acne, freckle and wrinkle

Clinical Data



시험제목	ChomChom LED마스크의 외 1종 외 피부치밀도, 피부 수분, 피부 밝기 개선에 대한 인체적용시험
시험기관	한국피부과학연구원 신체적용시험연구부 인체적용시험 2차 시험실 (서울특별시, 배재대학교의료원)
제제기관	이피뷰티
시험제명	
시험대상자	
시험대상자	ChomChom LED마스크(외 1종)인체적용시험 시 ChomChom LED마스크(외 1종)인체적용시험 시
시험기간	2019년 7월 20일(시험시작일) ~ 2019년 9월 11일(시험종료일) 시험일자 : 2019년 7월 20일(시험시작일), 2019년 7월 21일(시험종료일)
주요목적	ChomChom LED마스크(외 1종)의 피부치밀도, 피부 수분, 피부 밝기 개선에 대한 인체적용시험
시험방법	시험기간 전 2주 동안 1일 2회 사용. 사용 후 시험실로 온 'ChomChom LED' 마스크를 얼굴 전체에 부착하여 20분 사용 후 20분 휴식. 시험실로 온 후 'ChomChom LED' 마스크를 얼굴 전체에 부착하여 20분 사용 후 20분 휴식. 시험실로 온 후 'ChomChom LED' 마스크를 얼굴 전체에 부착하여 20분 사용 후 20분 휴식.
시험방법	한국피부과학연구원 표준적용시험시행규칙에 따라 진행하였으며, 모든 절차는 인체적용시험연구부 지침에 따라 진행되었습니다. 1. 기기 사용 2. 피부 반응 평가 3. Chom Chom LED에 대한 피부 수분 측정 결과 평가 4. Chom Chom LED에 대한 피부 치밀도 측정 결과 평가 5. 피부 반응 평가 6. 설문조사

시험결과	1. Chom Chom LED마스크를 사용한 피부치밀도 평가 결과 ChomChom LED마스크 사용 전과 ChomChom LED 사용 후 24시간, 2주 사용 후 24시간, ChomChom LED 사용 후 24시간의 피부치밀도 측정값을 비교하여, ChomChom LED 사용 후 24시간, 2주 사용 후 24시간의 피부치밀도 측정값이 각각 1.04%, 1.04% 증가하였다. 2. Epsilon E100을 사용한 피부 수분 평가 결과 2주 사용 전 시험실로 온 사용 전과 ChomChom LED 사용 후 24시간, 2주 사용 후 24시간의 피부 수분 측정값을 비교하여, ChomChom LED 사용 후 24시간, 2주 사용 후 24시간의 피부 수분 측정값이 각각 1.04%, 1.04% 증가하였다. 3. 분광광도계로 측정값을 비교하여 ChomChom LED 사용 전과 ChomChom LED 사용 후 24시간, 2주 사용 후 24시간의 피부 밝기 측정값을 비교하여, ChomChom LED 사용 후 24시간, 2주 사용 후 24시간의 피부 밝기 측정값이 각각 1.04%, 1.04% 증가하였다. 4. 시험기간 동안 ChomChom LED마스크(외 1종)의 피부 반응이 없었다.
결론	ChomChom LED마스크(외 1종)의 피부치밀도, 피부 수분, 피부 밝기 개선에 도움을 주는 제품으로 판단된다.

Purpose	Test of improvement of skin density, moisturizing and brightness	
Product	Chom Chom LED mask with peptide cream	
Period	20. July. 2019 ~ 11. Sep. 2019	
Object	20 women over 25 ages	
Testing method	Sample test	After applying peptide cream on face at night, next applying Chom Chom LED mask for 20 minutes.
	Evaluation method	Evaluated according to standard testing procedure by Korea Institute of Dermatological Sciences 1. Testing apparatus 1) DUB-Skin Scanner for skin density 2) Epsilon E100 for skin moisturizing 3) Spectrophotometer and JANUS-1 for skin brightness 2. Skin reaction evaluation 3. Result survey

Clinical Data

1. DUB-Skin Scanner for skin density
Skin density was improved 6.46% for 2 weeks and improved 13.64% for 3 weeks than before.



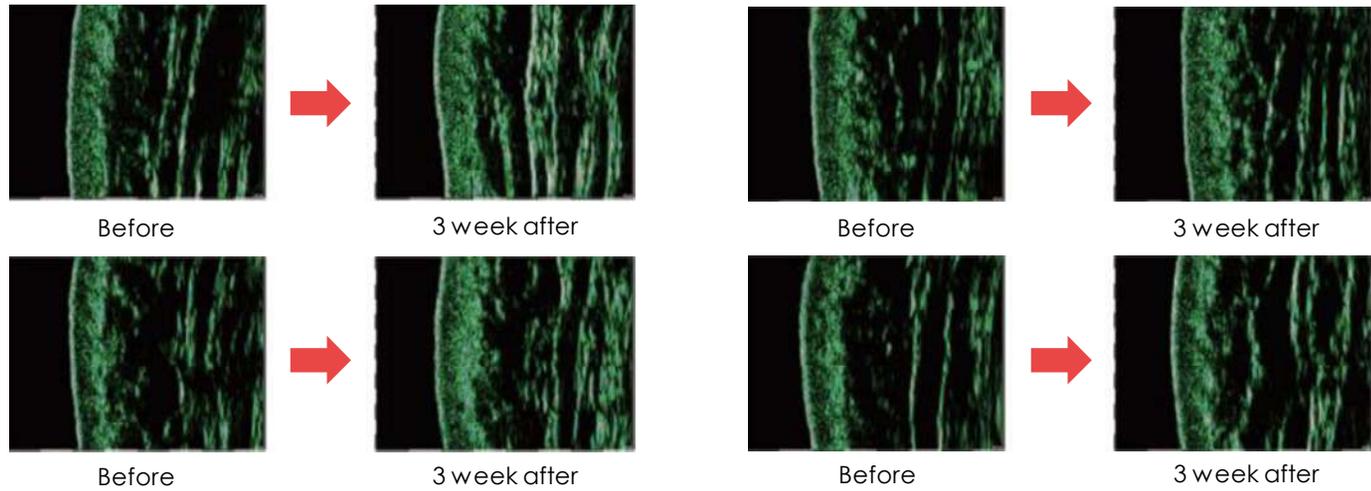
< Skin density change >

	Before	2 weeks after	3 weeks after
Average	28.22	30.04	32.07
Standard deviation	1.86	2.20	2.11

< Improvement rate of skin density change >

	2 weeks after	3 weeks after
Improvement rate	6.46%	13.64%

Test results



Testing area : Left crow's feet 3cm

Clinical Data

2. Epsilon E100 for skin moisturizing
Skin moisturizing was improved 95.05% after using the product directly and improved 24.22% after using for 2 weeks.



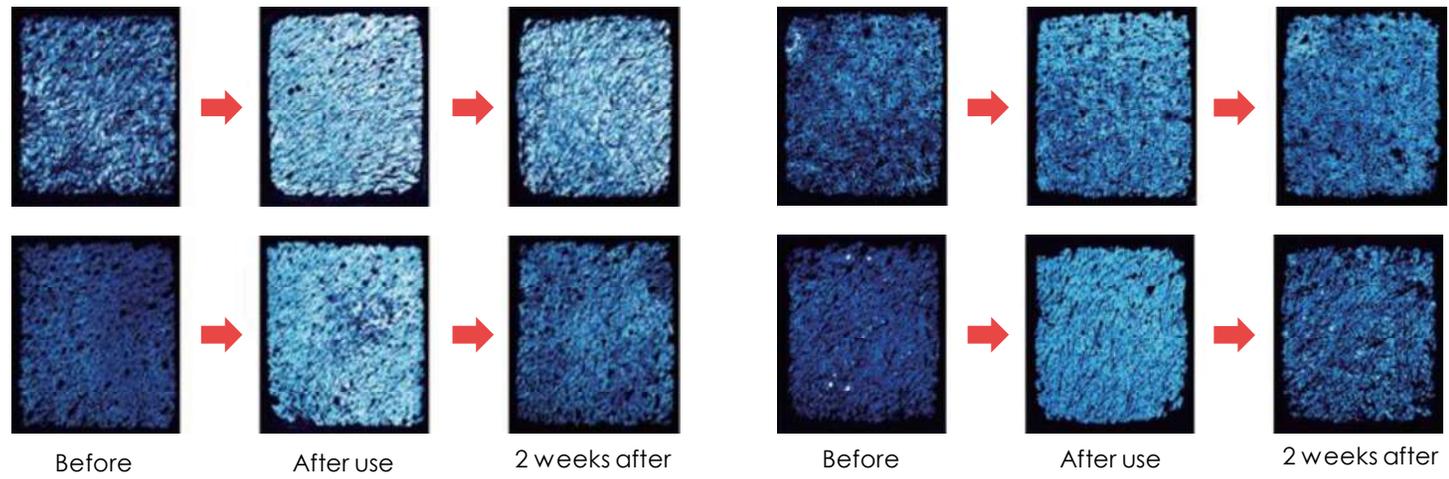
< Skin moisturizing change >

	Before	After use	2 weeks after
Average	20.89	40.74	25.95
Standard deviation	5.60	7.18	6.31

< Improvement rate of skin moisturizing change >

	After use	2 weeks after
Improvement rate	95.05%	24.22%

Test results



Testing area : Right cheek

Clinical Data

3. Spectrophotometer and JANUS-1 for skin brightness
Skin was brighter 0.66% after using 3 weeks than before.



< Skin brightness change >

	Before	3 weeks after
Average	61.23	61.64
Standard deviation	2.36	2.14

< Improvement rate of skin brightness change >

	3 weeks after
Improvement rate	0.66%

Test results



Before use

3 weeks after

Before use

3 weeks after

Clinical Data

Test results	<p>4. Skin reaction evaluation There were no allergic contact dermatitis, irritant contact dermatitis and any other skin troubles on object person after finishing test.</p> <p>5. Result survey Additionally asked to object if they have any skin troubles and the answers are same as below.</p>																																		
	<table border="1"> <thead> <tr> <th></th> <th>2 weeks after</th> <th>3 weeks after</th> <th></th> <th>2 weeks after</th> <th>3 weeks after</th> </tr> </thead> <tbody> <tr> <td>Erythema</td> <td>0</td> <td>0</td> <td>Pain</td> <td>0</td> <td></td> </tr> <tr> <td>Edema</td> <td>0</td> <td>0</td> <td>Heat</td> <td>0</td> <td></td> </tr> <tr> <td>Desquamation</td> <td>0</td> <td>0</td> <td>Stiff</td> <td>0</td> <td></td> </tr> <tr> <td>Itch</td> <td>0</td> <td>0</td> <td>Tingle</td> <td>0</td> <td></td> </tr> </tbody> </table>							2 weeks after	3 weeks after		2 weeks after	3 weeks after	Erythema	0	0	Pain	0		Edema	0	0	Heat	0		Desquamation	0	0	Stiff	0		Itch	0	0	Tingle	0
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Final conclusion	Chom Chom LED mask with peptide cream helps to improve skin density, moisturizing and brightness.																																		

Articles of LED light therapy



Source	Title & Link	Author
NCBI (The National Center for Biotechnology Information advances science and health)	Is light-emitting diode phototherapy (LED-LLLT) really effective? https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3799034/	Won-Serk Kim (Department of Dermatology, Kangbuk Samsung Hospital, Sungkyunkwan University School of Medicine, Seoul, Korea) R Glen Calderhead (Korean Institute for Photomedicine and Photosurgery Research, Goyang, South Korea)
	The impact of wavelengths of LED light-therapy on endothelial cells, 2017 Sep. https://www.ncbi.nlm.nih.gov/pubmed/28878330	Sabrina Rohringer, Wolfgang H olnthoner, Sidrah Chaudary, Paul Slezak, Eleni Priglinger, Martin Strassl, Karoline Pill, Severin Mühleder, Heinz Redl, Peter Dungal
	Effect of red and near infrared wavelengths on low-level laser (light) therapy induced healing of partial-thickness dermal abrasion in mice, 2014 Jan. https://www.ncbi.nlm.nih.gov/pubmed/23619627	Gupta A, Dai T, Hamblin MR.
	Low-level laser (light) therapy (LLLT) in skin: stimulating, healing, restoring, 2013 Mar. https://www.ncbi.nlm.nih.gov/pubmed/24049929	Avci P, Gupta A, Sadasivam M, Vecchio D, Pam Z, Pam N, Hamblin MR.
NASA/Marshall Space Flight Center	NASA Space Technology Shines Light On Healing, 2000, Dec. https://www.sciencedaily.com/releases/2000/12/001219195848.htm	Dr. Whelan