

CHOM CHOM
LED Beauty Mask
576 LED
Premium model

Total Skin Care Light Therapy



CHOM CHOM
LED Beauty Mask

“All process from product research, development and production are conducted by Korean beauty experts with Korean beauty technology.”



iK MEDICO Co. is a professional beauty company with over 15 years of manufacturing and distributing experiences in the medical and aesthetic industries. We are only dealing in products developed by Korean technology and supplying beauty devices and cosmetics to huge beauty distributors in Europe and Asia, aesthetics and beauty clinics in Korea showing steady growth more than 200% every year.

With our own beauty device development technology, we develop and manufacture LED mask and LED neck care device in cooperation with Korean government agencies, research and development companies through national R&D projects and export support projects.



Development of
Aesthetic devices



Domestic aesthetic
distribution and education



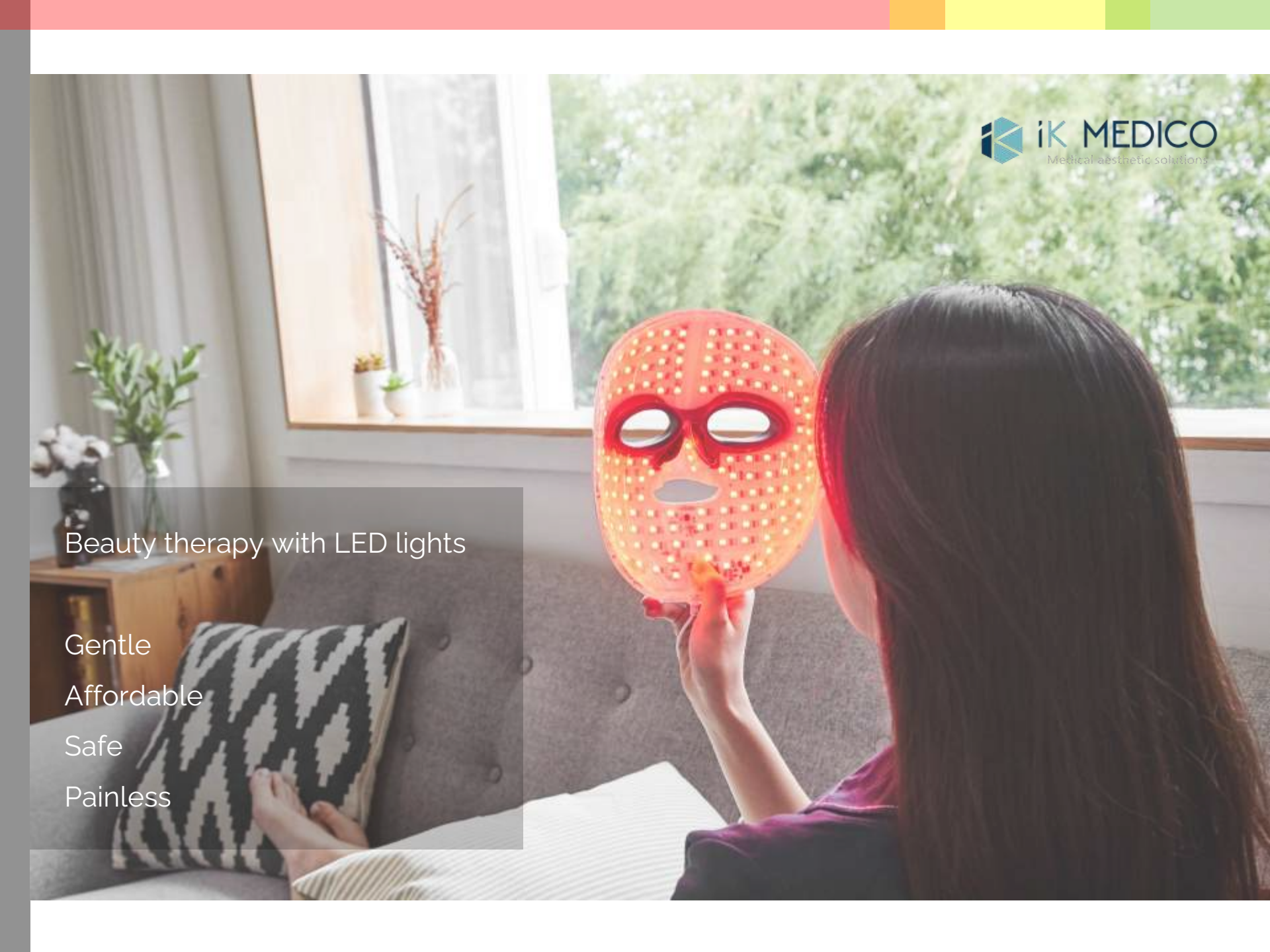
Partnership with overseas
beauty distributors



Research of new
medical aesthetic
technology

iK MEDICO's mission is to provide everyone with the opportunity to experience being beautiful through high quality beauty device manufacturing technology, clinically proven technology and technology tested by skin care experts. We iK MEDICO promises to grow together with our partners until everyone can experience being beautiful with the world's best beauty technologies and reasonable prices.





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

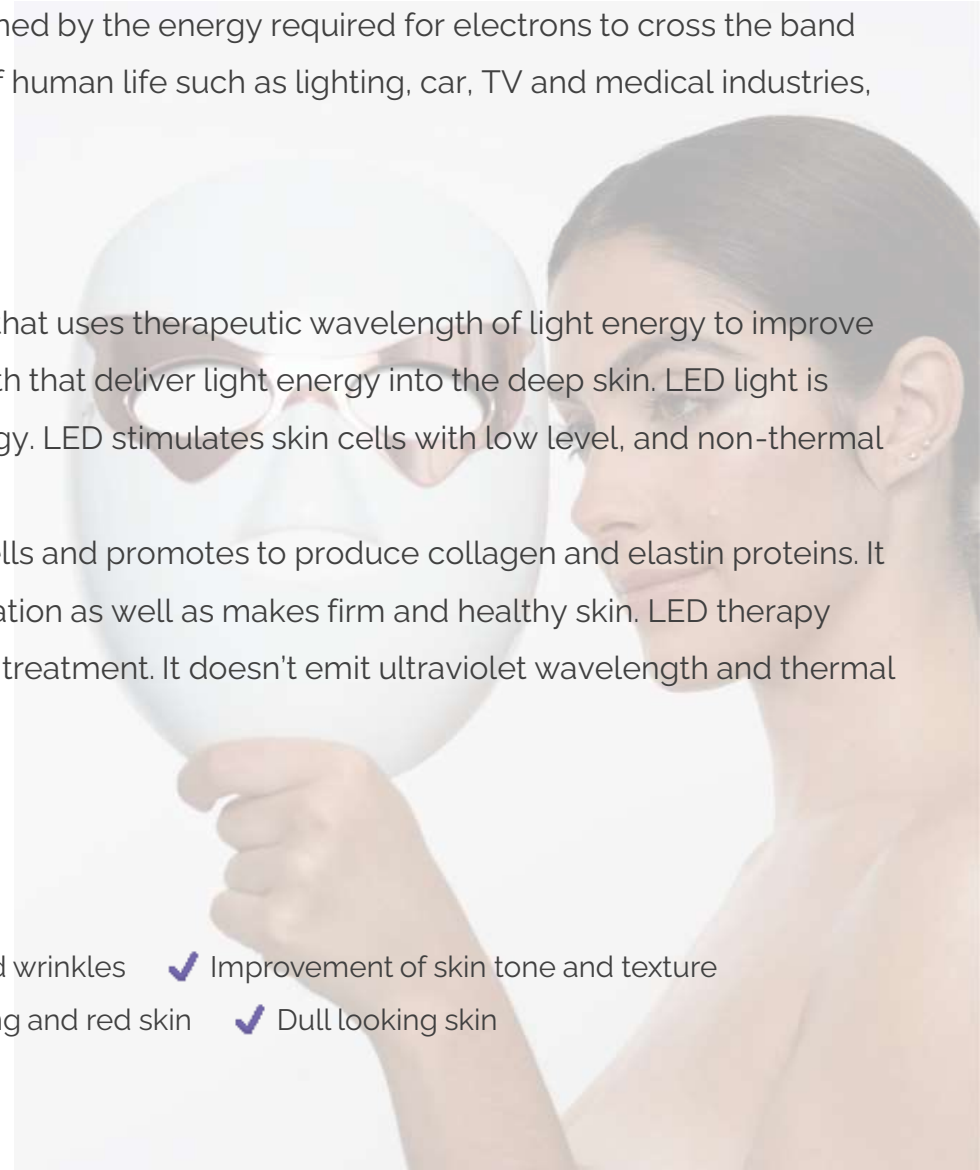
LED Light is state of the art skin rejuvenation treatment that uses therapeutic wavelength of light energy to improve skin conditions. LED uses invisible and visible wavelength that deliver light energy into the deep skin. LED light is absorbed into the skin and skin uses it as a form of energy. LED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

Application of LED light for beauty therapy

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
- ✓ Improvement of acne-prone skin



CHOM CHOM LED Beauty Mask 576 LED

Total Skin Care Light Therapy



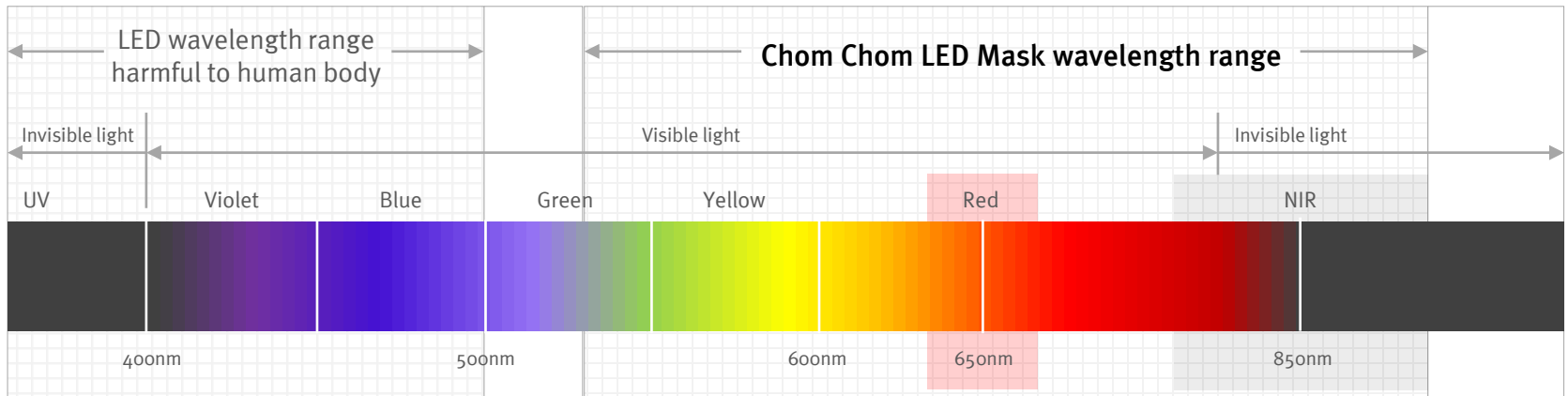
Strength Points

- 4 optimal LED wavelengths
Total skin care with 4 optimal wavelengths according to treatment purpose
- 576 LED lights
Enough to cover and emits LED light to whole face gently and effectively
- 100% Blue light & UV rays free
To keep your facial skin and eyes safe
No side effect and No recovery time
- Ergonomic 3D Face design
Suitable design to fit the face
Minimize loss of LED light energy

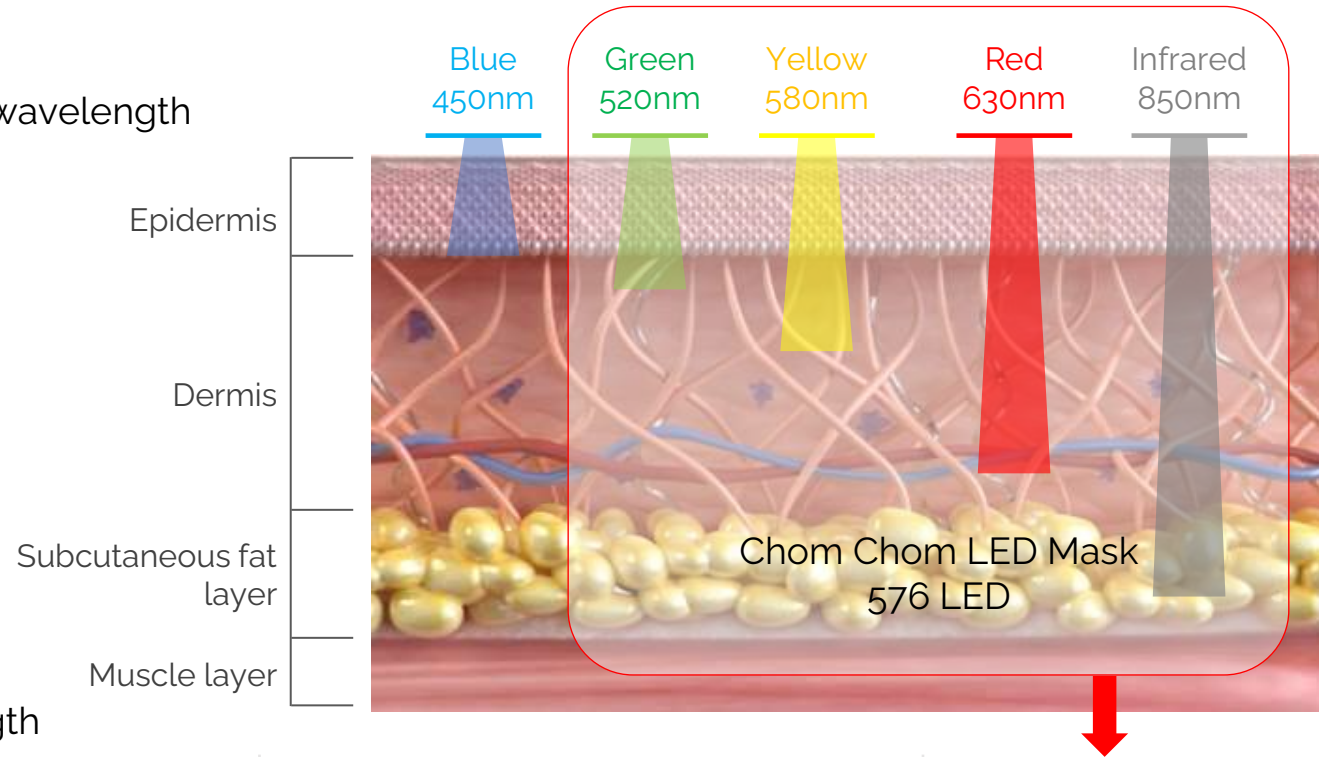


4 optimal LED wavelengths

Chom Chom LED mask 576 LED model uses 4 LED wavelengths: green, yellow, red and near-infrared. Depending on each wavelength, you can selectively experience various treatments such as improving sensitive skin, removing fine wrinkles, regenerating skin cells and promoting blood circulation. You can select a treatment mode that uses each wavelength with NIR or select a total skin care mode that uses all wavelengths.



Penetration depth of each wavelength



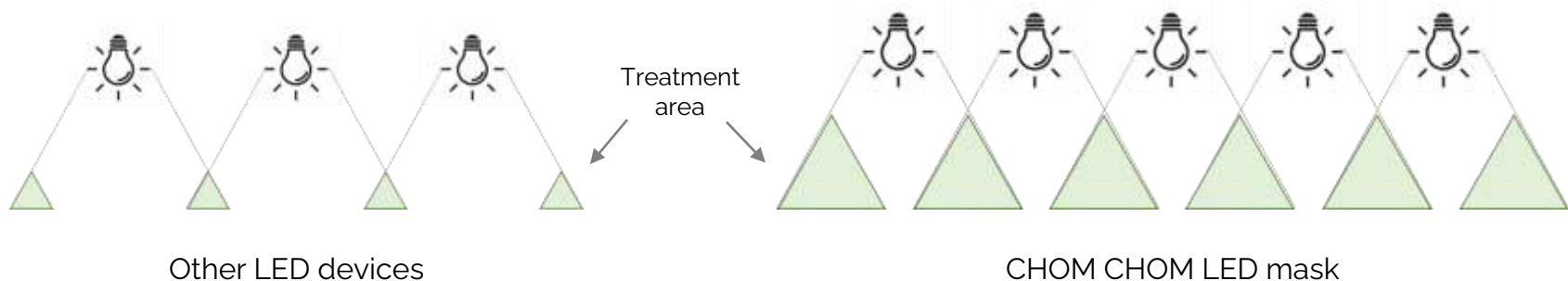
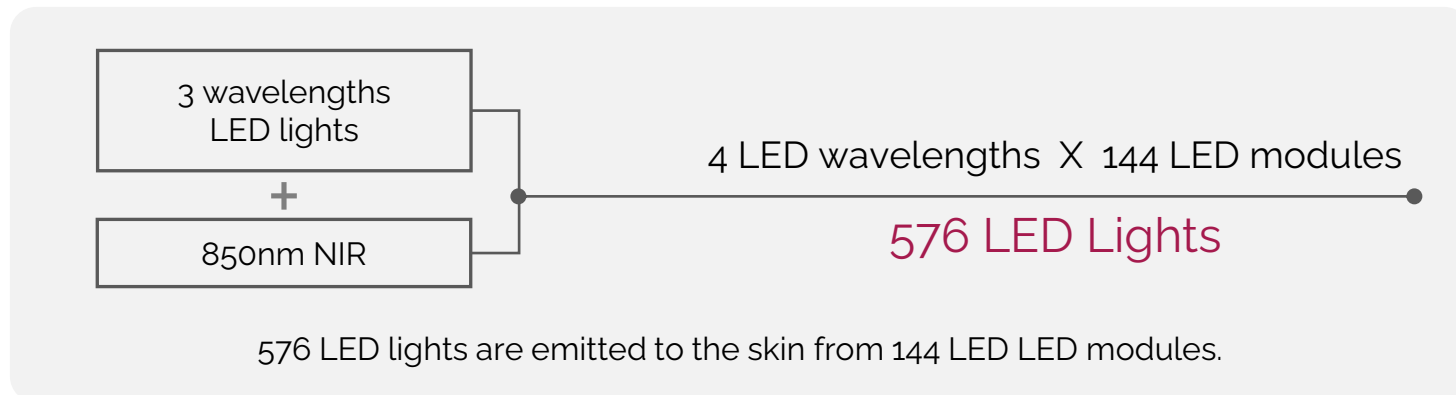
Functions of each wavelength

Wavelength (nm)		Depth (mm)		Effectiveness	Chom Chom LED Mask 576 LED
450	Blue	0.5	Epidermis	Eliminating bacteria that causes acne	-
520	Green	0.5 ~ 1.0	Epidermis	Soothing troubles and skin tone up	✓
580	Yellow	1.0 ~ 1.5	Epidermis ~ Dermis	Improvement of spot and redness	✓
630	Red	2.0 ~ 3.0	Dermis ~ Deep dermis	Reduction of fine wrinkles Improvement of skin tones and texture Increasing absorption of active ingredients of cosmetic	✓
850	NIR (invisible)	3.0 ~ 5.0	Under dermis ~ Subcutaneous layer	Regenerating collagen and elastic fiber Activating skin cells and rejuvenation Promoting blood and lymph circulation	✓

576 LED lights

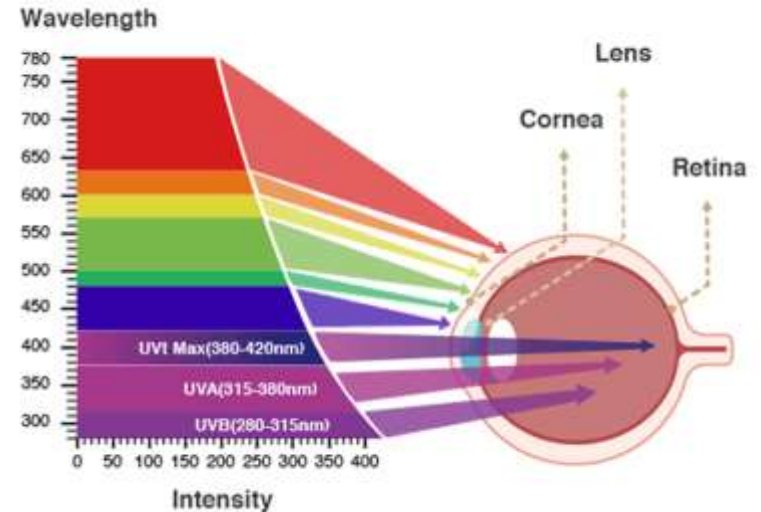
For LED beauty devices to show excellent treatment effects, the most important factors are the number of LED modules and the number of LED lights emitted from the LED modules. Chom Chom LED beauty is equipped with 144 LED modules that is the largest quantity among LED masks currently being sold in the market. Therefore, satisfaction of customers are high because of the excellent treatment effect.

CHOM CHOM LED mask has :



100% blue light & UV rays free

Perfectly blocks blue light and UV rays that are harmful to eye and skin health.



Blue light : Causes eye strain and various eye diseases

Blue light is frequently emitted with low power from smartphones, TVs and lightings, but the blue light from beauty devices for face and near eye can be harmful to eye health. Blue light 400-490nm has a short wavelength with high energy causing eye damage. It passes through the cornea, reaches the retina at the back of the eye, and negatively affects the nerve tissue of retinal cells. It can cause eye problems such as dryness, eyes train and blurry vision, and prolonged exposure may increase the risk of macular degeneration related eye aging.

UV rays : Causes skin aging and diseases

When the skin is exposed to ultraviolet rays, the skin surface becomes rough and causes dryness. It produces more melanin pigment in the skin and causes hyperpigmentation causes such as spots and freckles. It also accelerates skin aging causing premature aging symptoms and wrinkles. Damaged skin due to aging and loss of oil-water balance caused by UV rays cannot be easily recovered.

Ergonomic 3D Face design

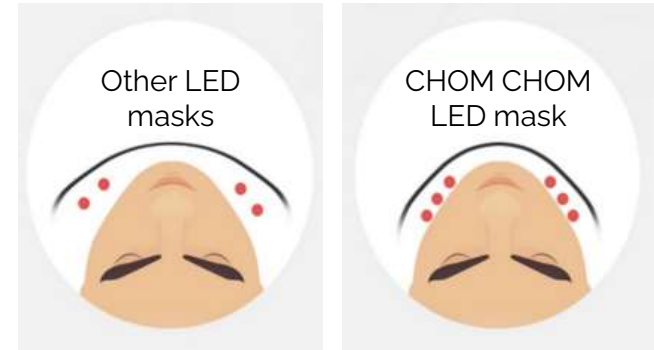
Suitable design to fit the face and minimize loss of LED light energy

Chom Chom LED mask has a round and ergonomic design that fits the face. By narrowing the distance between the LED and the surface of skin from 1cm to 3cm, the light penetrates deep into the dermis and subcutaneous fat layers.







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

International design patents registration number :

30-2019-0018095, 30-2018-0029150



Comparison with other products

	A product	B product	CHOM CHOM LED mask
Emitting area			
	Normal	Narrow	Wide
LED quantity (576LED model)	60 ea × 2 wavelength = 120 ea	60 ea × 3 wavelength = 180 ea	144 ea × 4 wavelength = 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

Comparison with other products

CHOM CHOM LED mask 576 LED



THE LIGHT SALON™



Number of color programs

4

4

2

3

Infrared



Red



Yellow



Green



Blue



Number of LED lights

576

162

112

100

Turnaround

7 mins

3 mins

10 mins

10 mins

FDA approved



3D design



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 in 2020



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 hydro gel type mask pack(transparent one)



Attach enclosed pads at top and bottom inside of LED mask



Connect USB cable to a power bank (*power bank is not included on export model.) or power outlet.



Press left side of eye and turn on LED mask.
Press right side of eye and choose treatment mode.



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

Specification

Product	CHOM CHOM LED Mask 576 LED (premium model)
Power	5V/2A (power bank 10,000 ~ 15,000mAH)
Size	180 x 249 x 108 (mm)
Weight	284g
Certification	KC, CE, FCC, ROHS, FDA(2020)
Manufacturer(exporter)	IK MEDICO Co.
Origin	Made in Korea
Contact(whatsapp)	info@ikmedico.com / +82-10-9261-0252
Composition	LED Beauty Mask(connected USB cable), 2 gel pads, manual, alcohol swaps, product pouch, strap



Clinical Data



시험목적	솔솜LED마스크외 1종인 솔솜크림을 피부 수분, 피부 밀도 및 피부 밝기에 대한 인체적용시험
시험대상	한국인 20대 여성 비염, 피부질환, 피부암, 피부수술, 피부이식수술, 레이저치료사술자
시험기간	2019년 7월 20일부터 2019년 9월 11일까지
시험장소	한국과학기술원(KIST) 피부과학연구소
시험방법	1. 피부 수분 측정: 비파괴적 수분 측정기 사용 2. 피부 밀도 측정: DUB-Skin Scanner 사용 3. 피부 밝기 측정: Spectrophotometer 사용
시험결과	1. 피부 수분: 솔솜크림 사용 후 피부 수분 함량이 유의하게 증가함 2. 피부 밀도: 솔솜크림 사용 후 피부 밀도가 유의하게 증가함 3. 피부 밝기: 솔솜크림 사용 후 피부 밝기가 유의하게 증가함

시험결과	1. 피부 수분: 솔솜크림 사용 후 피부 수분 함량이 유의하게 증가함 2. 피부 밀도: 솔솜크림 사용 후 피부 밀도가 유의하게 증가함 3. 피부 밝기: 솔솜크림 사용 후 피부 밝기가 유의하게 증가함
결론	솔솜LED마스크외 1종인 솔솜크림은 피부 수분, 피부 밀도 및 피부 밝기에 대한 인체적용시험에서 유의한 효과를 나타내었다.

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	<p>Evaluated according to standard testing procedure by Korea Institute of Dermatological Sciences</p> <ol style="list-style-type: none"> 1. Testing apparatus <ol style="list-style-type: none"> 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

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.



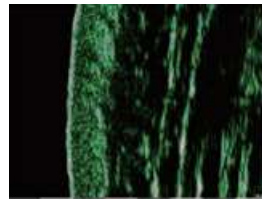
< Skin density change >

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

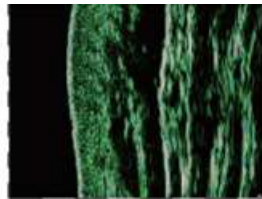
< Improvement rate of skin density change >

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

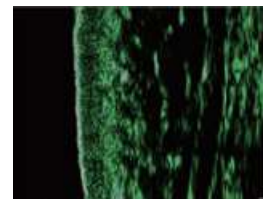
Test results



Before



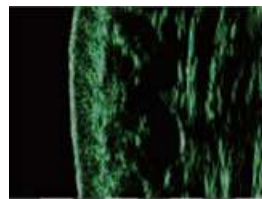
3 week after



Before



3 week after



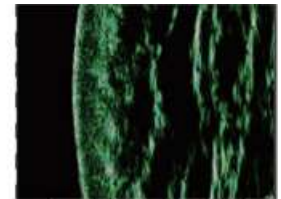
Before



3 week after



Before



3 week after

Testing area : Left crow's feet 3cm

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.



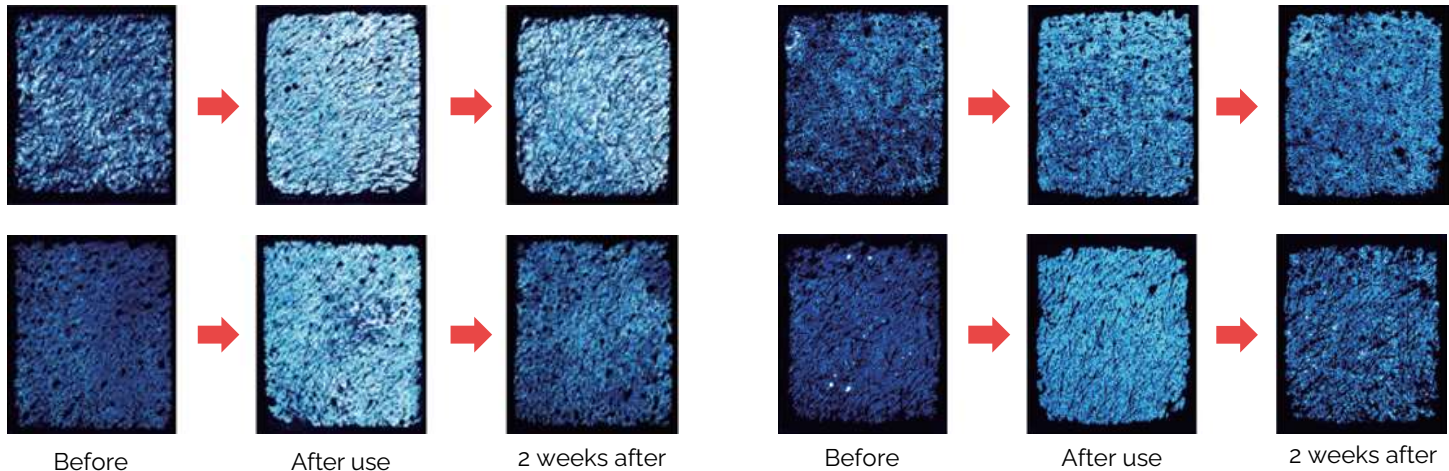
< Skin moisturizing change >

	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

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



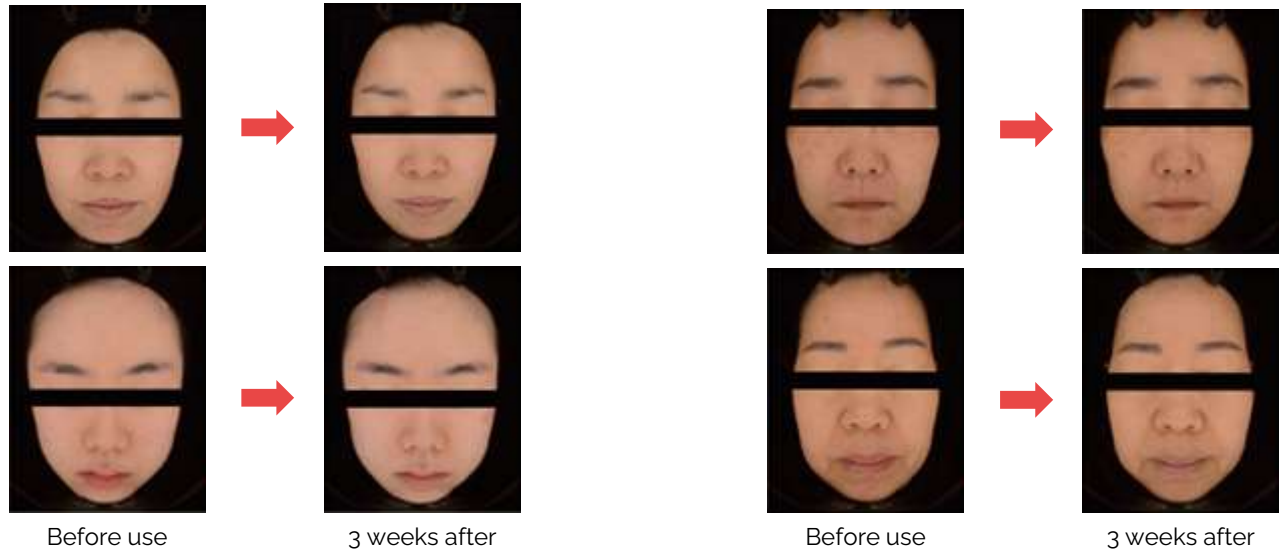
< Skin brightness change >

	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



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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Itch	0	0	Tingle	0																															
Final conclusion	CHOM CHOM LED mask with peptide cream helps to improve skin density, moisturizing and brightness.																																		

Treatment results



87%

Experienced smoother facial wrinkles after 12 weeks



83%

Perceptible reduction of acne after 8 weeks



91%

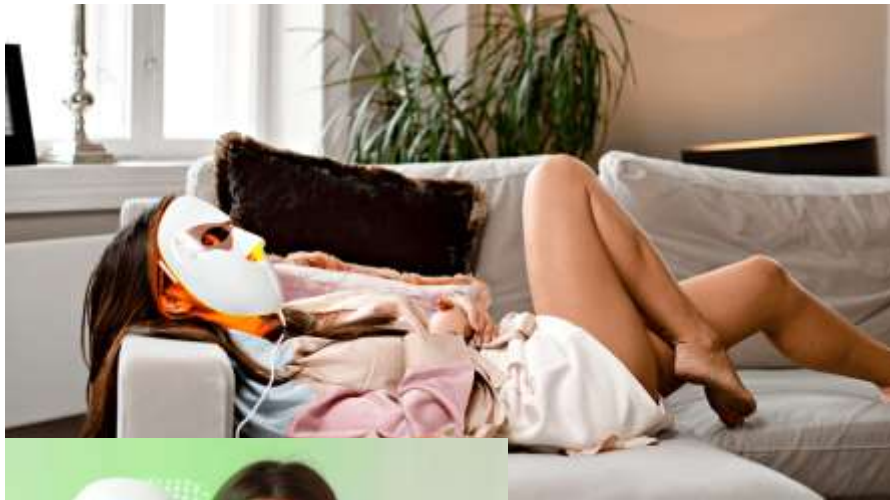
Reported improved skin tone and smoothness after 12 weeks

* Reported by Norwegian agency

Articles of LED light therapy

Source	Title & Link	Author
<p>NCBI (The National Center for Biotechnology Information advances science and health)</p>	<p>Is light-emitting diode phototherapy (LED-LLLT) really effective? https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3799034/</p>	<p>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)</p>
	<p>The impact of wavelength of LED light-therapy on endothelial cells, 2017 Sep. https://www.ncbi.nlm.nih.gov/pubmed/28878330</p>	<p>Sabrina Rohringer, Wolfgang Holthoner, Sidrah Chaudary, Paul Slezak, Eleni Priglinger, Martin Strassl, Karoline Pill, Severin Mühleder, Heinz Redl, Peter Dungal</p>
	<p>Effect of red and near infrared wavelength 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</p>	<p>Gupta A, Dai T, Hamblin MR.</p>
	<p>Low-level laser (light) therapy (LLLT) in skin: stimulating, healing, restoring, 2013 Mar. https://www.ncbi.nlm.nih.gov/pubmed/24049929</p>	<p>Avci P, Gupta A, Sadasivam M, Vecchio D, Pam Z, Pam N, Hamblin MR.</p>
<p>NASA/Marshall Space Flight Center</p>	<p>NASA Space Technology Shines Light On Healing, 2000, Dec. https://www.sciencedaily.com/releases/2000/12/001219195848.htm</p>	<p>Dr.Whelan</p>

Chom Chom LED mask in Worldwide



Partners in Worldwide



Coverbrands

SILKEMYK

blush®



eLeven

SKINSECRET

Customizing ODM service offer Make your own LED mask brand

Do you want to have LED Beauty Mask with your own brand, and want to impress your brand's reputation, identity and values to customers?

We provide customizing ODM service. You can put your own logo, brand and identity on the product, box and manual. We have many experiences of successful cases for customizing ODM service offer in North Europe & Asia countries.

Now consider making your own LED mask with your brand.



Thanks for your attention

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