SMARTLUX

HIGH INTENSITY PHOTOTHERAPY DEVICE

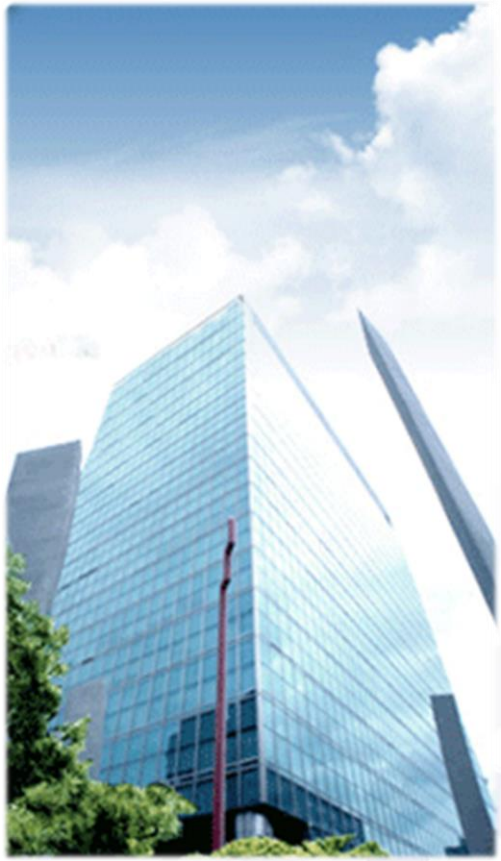
MEDMIX

Total Medical Solution
Company

Established in 2009 by cooperating with a group of specialists and professionals in the medical field, MEDMIX is dedicated to provide the best solutions for our customers who want to have health and a beauty every day.

We ceaselessly invest in R&D and devote our times and passions to improve our performances for innovative and creative products yet sticking to the core values which are good quality, reasonable price, and easy & costless maintenance.

MEDMIX promises to do our best to contribute our society for safe, healthy, and beautiful life by providing brilliant and effective medical device solutions.



MEDMIX CO.,LTD

Total Medical Solution Company

MEDMIX

2009~2010

Establishment of MEDMIX

- Established Medmix Co.,Ltd
- Launched SMARTLUX
- Acquired KFDA, Medical CE, IS13485

2011~2012

Establishment of R&D Center

- Established R&D Center
- Venture Company Qualification
- Acquired FDA approval

2013~2014

Movement of Headquarters

- Move the head office to Songdo
- Won the Korea Export Award of Million Tower
- Launched SMARTLUX SLIM

2015~2016

Launching New Devices

- Acquired MHLW from Japanese Gov. for the first time in Korea
- Launched SMARTLUX MINI
- Launched SMART VIEWER
- Launched TRIPLE1470

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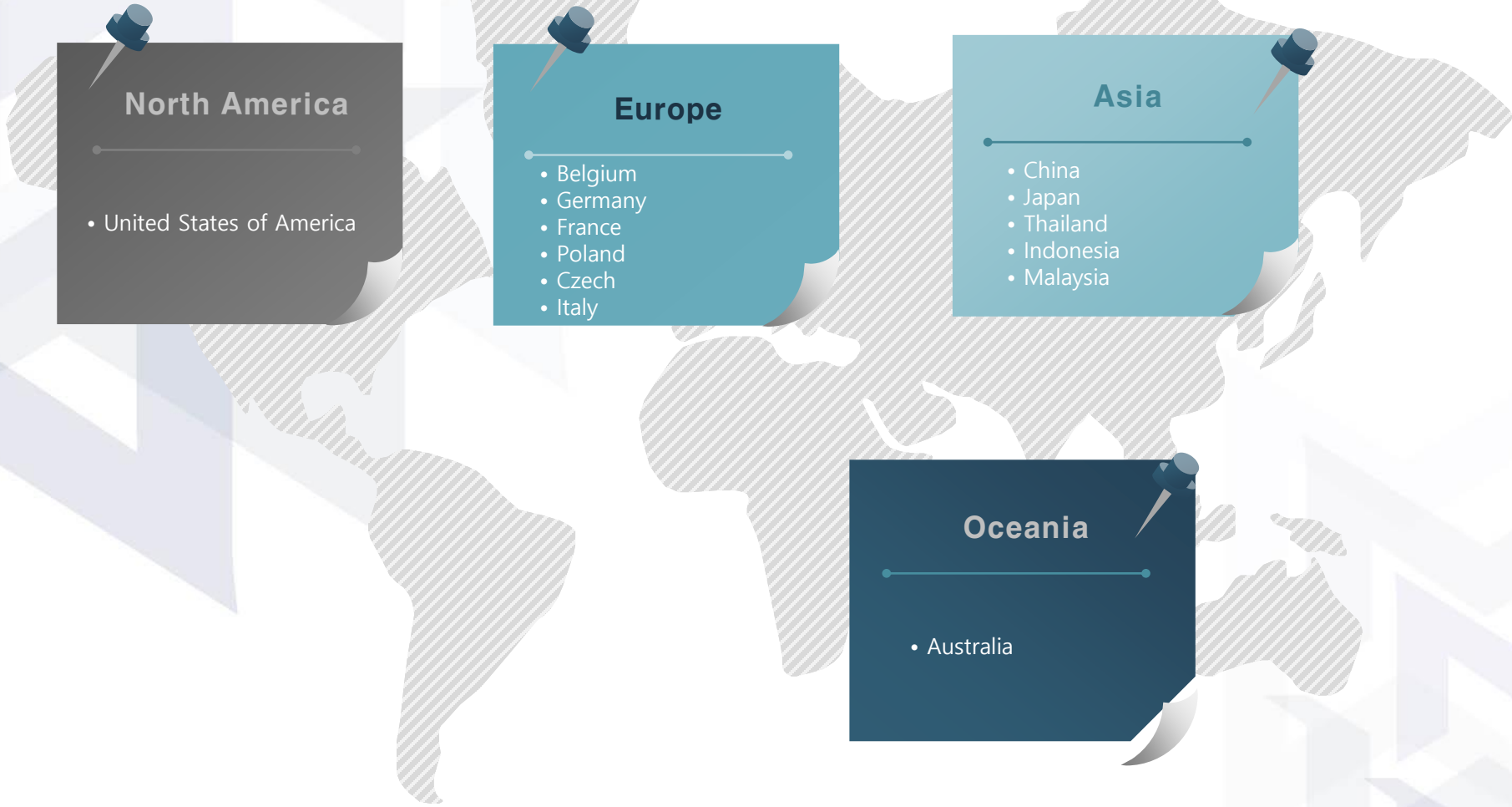


North America

- United States of America

Europe

- Belgium
- Germany
- France
- Poland
- Czech
- Italy

Asia

- China
- Japan
- Thailand
- Indonesia
- Malaysia

Oceania

- Australia

Articles

"Essential Care after Plastic Surgery. That's SMARTLUX which is getting popular for Post-Treatment."

Han-Kyung, 2014

"Significant Increase in the Population of Plastic Surgery. Attention on Post-Care."

Weekly Korea, 2013

한경닷컴 Wstar news

연예 방송 음악 패션 뷰티 스타일

수술하면 끝? 성형 '후케어' 종결기기, 스마트룩스

[라이프팀] 차별화된 고객만족 서비스로 입소문이 난 JK 성형외과가 스마트룩스 기기를 도입해 눈길을 끈다.

미국 식약청 허가 FDA승인을 받았을 만큼 그 효과와 안정성을 인증받은 스마트룩스에는 의료용으로 사용되는 SLD칩도 적용돼 있다. 이는 피부 재생 및 피부관리 상처회복을 도와줘 후케어에 탁월한 효과를 보인다. 우수한 효과에 10분에서 20분 정도에 불과한 시술시간까지 어우러지며 스마트룩스는 많은 환자들의 회복을 효과적으로 돕고 있다.

▲ 스마트룩스 기기와 시술장면

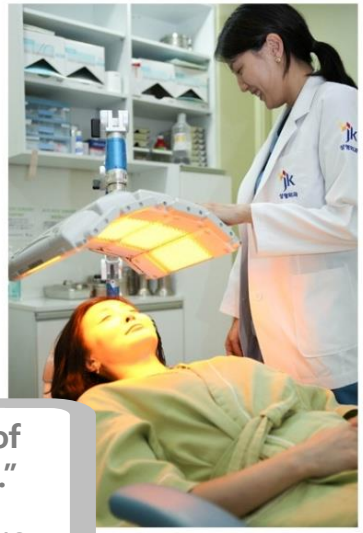
각종 성형수술 및 시술 후 스마트룩스 시술을 받으면 멍이나 붓기, 홍반, 통증에서 빠르게 회복되는 효과를 얻을 수 있다. 스마트룩스의 LED빛이 피부 진피층 및 피하층까지 침투해

주간한국

커버스토리 | 시사 | 문화 | 라이프 | 스포츠 | 특집 | 이슈&피플

나날이 증가하는 성형인구, 수술 회복에도 신경 써야

입력시간 : 2013/12/03 16:53:00 수정시간 : 2013/12/03 16:53:00



겨울시즌에는 직장인뿐 아니라 수능을 마친 학생들의 성형수술 수요가 유독 증가한다. 외모가 경쟁력인 시대가 되면서 현대인들의 '외모 가꾸기'에 대한 관심이 점점 높아지고 있기 때문이다.

지난 8월 한 취업 포털사이트에서 남녀직장인 1,474명을 대상으로 실시한 설문조사에 따르면 성형을 원한다고 답한 사람은 모두 970명이었다. 이는 전체 응답자의 65.8%를 차지할 정도로 높은 비율이다. 또한 병원마다 정도의 차이는 있겠지만 추석기간이나 연말시즌에는 평소보다 20~50%이상의 환자가 몰리는 것으로 알려져 있다.

이렇게 성형수요가 나날이 증가하는 현상에는 성형기술의 발전과 보편화로 인해 성형수술에 대한 인식이 개방적으로 돌아선 이유도 한몫하고 있다.

"Most Powerful Phototherapy Device, SMARTLUX".

Medical Times, 2014

"The Implementation of the Advanced Photo-therapeutic Apparatus, SMARTLUX"

Power Korea, 2014

Articles

MedicalTimes 뉴스

홈 전체기사 의료정책 병원·의대 의사·개원 학술·학회

성형 · 피부 광치료기기 최강자 '메드믹스'

스마트룩스 FX · DUAL · GX Hair…피부재생 등 치료효과 탁월

▲ 스마트룩스 FX

불모지와 다름없었던 국내 광치료기기시장에 앞선 기술력을 선보이며 시장을 주도하고 있는 '메드믹스'(MEDMIX).

스마트룩스 FX 작용 기전을 살펴보면, 830+/-5nm과 635+/-6nm 파장은 상처 회복 첫 단계인 염증(Inflammation) 단계와 관련된 세포인 Mast Cell, Macrophage, Neutrophil에 직접 광활성(Photoactivation) 영향을 주고, 해당 세포 수를 증가시켜 조기에 염증 단계를 종료하게 만든다.

이중 635+/-6nm 파장은 두 번째 단계인 증식(Proliferation) 단계에 가장 큰 영향력을 미친다.

또한 585+/-5nm과 830+/-5nm 파장은 활성화에 영향을 미쳐 콜라겐과 엘라스틴을 합성하고, 진피 매트릭스를 재생하는 역할을 담당하는 섬유아세포(Fibroblast)를 촉진시킨다.

이밖에 830+/-5nm과 635+/-6nm 파장은 리모델링(Remodelling)을 담당하는 근육아세포(Myofibroblast) 활성화는 물론 표피형성과 관련된 각질형성세포(Keratinocyte)에도 영향을 준다.

스마트룩스 'DUAL'(SMARTLUX DUAL)은 특수 의료용 SLD칩을 적용한 구형구속 예방을 위한 광치료기기.

가습성형은 수술 후 24~48시간 후면 시술 조직이 섬유화 된다.

이때 섬유화가 과도하게 진행되면 구형구속이 심하게 발생할 수 있어 수술 후 신속한 사후관리가 매우 중요하다.

▲ 스마트룩스 DUAL

시술 후 상처를 치료하기 위해 상처부위로 혈액이 많이 공급되는데, 이때 수술로 인해 주변혈관과 림프관이 손상돼 공급된 혈액이 잘 빠져나가지 못해 부기가 발생한다.

이때 스마트룩스 DUAL은 시술 후 부기, 통증, 염증을 빠르게 완화시키는 것.

최근 출시된 탈모치료 전용 스마트룩스 'GX Hair'(SMARTLUX GX Hair) 또한 각광받고 있다.

Interview

> (주)메드믹스 임수정 본부장

앞서가는
광치료기기의 구현,
스마트룩스를 선보이다

The Implementation of the Advanced Photo-therapeutic Apparatus, Showing the SMARTLUX

고도의 기술과 임상이 필요한 의료장비 분야에서 분야별 전문가들이 모여 탄생시킨 광치료기기 '스마트룩스'가 화제다. 2009년 설립된 의료기기 전문회사 메드믹스는 전문가들로 구성된 R&D팀과 손잡고 스마트룩스 프리미엄을 선보이며 2013년에는 수출 100만 불 [illegible] 해외 시장에서 한국 의료기 [illegible] 트룩스의 기술력을 통해 [illegible] 다.

강력한 에너지 출력으로 광조사기기의 효과 극대화

광조사기 치료의 원리는 피부 내의 미토콘드리아가 빛에너지를 흡수하고 활성화시키는데서 비롯된다. 자극받은 미토콘드리아는 ATP를 활발히 생산하고, 세포의 재생산으로 혈행은 증가하며 콜라겐과 엘라스틴이 풍부하게 생산된다. 이러한 과정을 거치며 부상이나 질환, 시술을 받은 피부는 점차 회복된다. 그동안 치료용으로 사용되었던 LED 광조사기는 기대 효과에 비해 출력 에너지값이 낮았으며, 유지 관리의 문제점도 꾸준히 대두되어 왔다. 따라서 피부 조직 손상 없이 치료 부위를 집중적으로 호전시키며, 피부 상처 치료에서 수술 및 시술 후의 회복 촉진과 발모 및 비만 치료까지 다룰 수 있는 LLLT(저출력레이저치료기) 장비의 등장은 의학계의 비상한 관심을 끌었다. 2010년 스마트룩스 프리미엄 기종을 필두로 한 스마트룩스는 강력한 에너지 출력으로 LED 광조사기 시장에서 신뢰를 얻었다. 메이저 언론사에서는 이러한 스마트룩스의 기술 혁신에 대해 소상히 보도한 바 있다. 기존의 일반적인 LED칩이 아닌 고휘도 SLD칩을 사용하여 19x41cm의 한정된 공간에서 2,450개의 칩을 위치시킴으로써 환부에 집중되는 에너지 싱크율을 영국 등 해외 기기에 비해 최대 3배로 높일 수 있었던 것이다. 각 SLD의 칩 조사각도는 20~30도로 세계에서 가장 조밀하며, 칩의 개수만큼 중첩되어 보다 높은 기술력을 입증하였다. 칩의 양에 따라 보급형과 미니로 나뉘

Maximizing the Effect of the Irradiation Equipment with Powerful Energy Output

The principle of the irradiator treating equipment starts from the mitochondria within the skin absorbing light energy and activate it. The stimulated mitochondria are actively producing ATP, and the blood circulation increases and collagen and elastin is produced in abundance. Undergoing this process, injury or disease, the skin received treatment is gradually restored. LED Light-irradiator having been used for treatment Output energy values were lower compared to expected effects maintenance issues has been steadily emerging. The emergency of LLLT (Low Level Laser Therapy) which can improve the intensive treatment area without damaging the skin tissue, and can treat even skin wounds and the recovery after surgery, facilitate recovery after surgery and surgical procedure, and deal with even hair growth and obesity, attracted extraordinary attention of the medical community. 'SMARTLUX' at the head of SMARTLUX premium model in 2010 gained confidence in the LED light irradiator market with powerful energy output.

The major media reported technology innovation of SMARTLUX in detail. By using high-intensity SLD chip not existing common LED chip in the limited space of 19x41cm and by placing 2450 chips, the sink rate of the energy made in England etc

A large number of prominent doctors choose SMARTLUX because of its high intensity and effect. SMARTLUX is the medical device recommended by famous doctors who have used it.

Magazine

- ✓ Dr. Koh Ik-soo (Petit Novel Plastic Surgery)
- ✓ Dr. Park Seong-su (Bong Bong Plastic Surgery)
- ✓ Dr. Jeong Chan-u (Leaders Clinic)
- ✓ Dr. Kim Beom-jun (Chung-ang Univ. Clinic)

MBC 뉴스데스크 8시 뉴스
스마트룩스 방송

주요 방송내용

LED광선(스마트룩스)이 대상포진을 비롯해, 여드름, 각종 피부질환 치료에 쓰이고 있습니다.
심한 통증과 염증을 동반하는 대상포진 환자 28명에게
약물 치료와 함께 스마트룩스 빛을 쬐게 했습니다

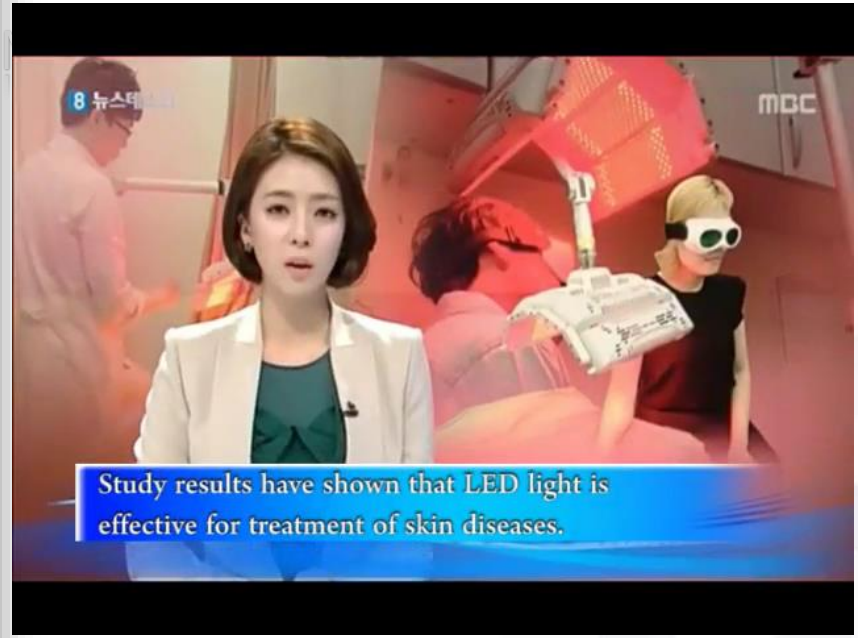
3주 뒤, 빛을 쬔 환자의 상처 부위가 그렇지 않은 환자보다 눈에 띄게 좋아졌습니다.
염증의 회복 속도가 20% 가량 빨라졌고 통증은 30% 이상 줄었습니다.
아토피와 여드름에도 일부 효과가 있는 것으로 나타났습니다.

동물 실험 결과, 스마트룩스 빛은 콜라겐 생성을 촉진하고 세포의 에너지원인 미토콘드리아를 활성화시켜 피부 재생을 도왔다고 연구진은 말합니다.

색깔별로 빛의 효능도 달랐습니다.
붉은 빛은 세포 재생과 진통 효과, 파란 빛은 살균 효과가 커 여드름 치료에 효과적입니다.

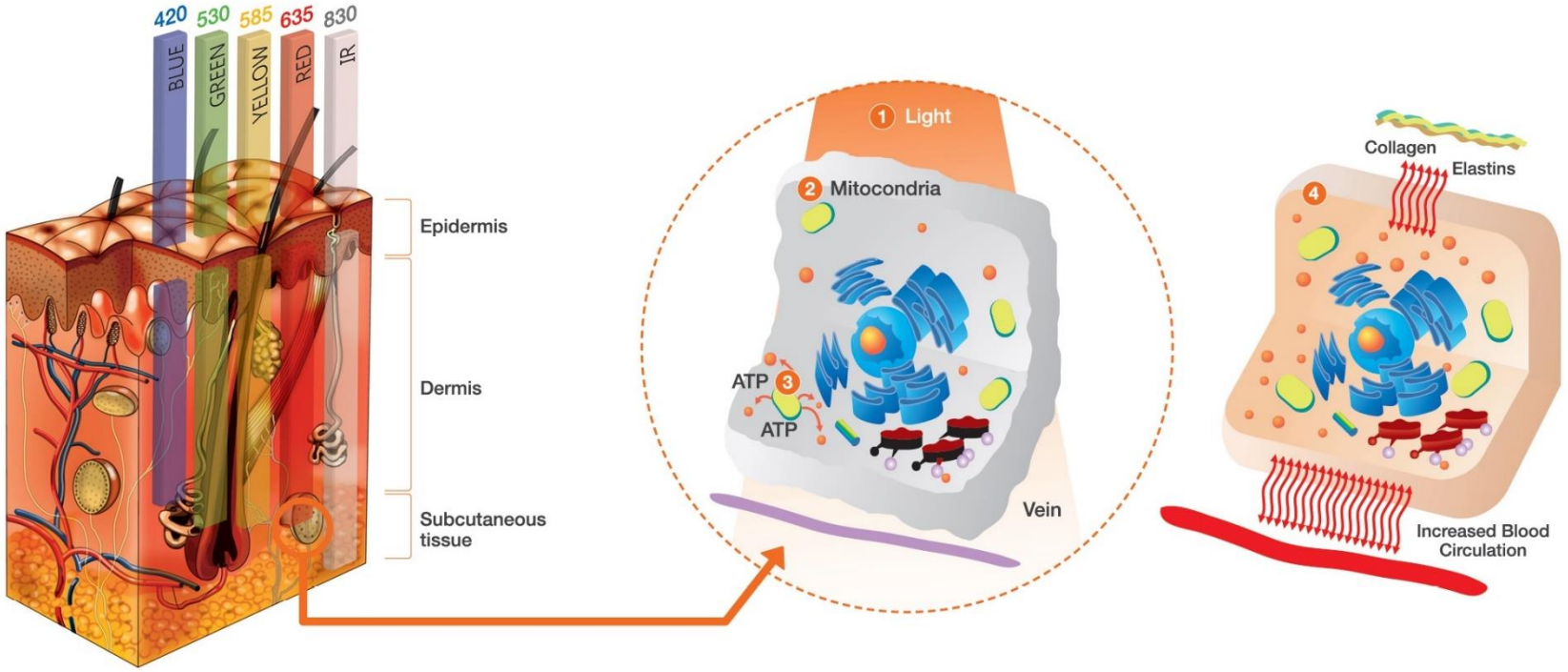
SMARTLUX has been introduced on the Korean news channel, MBC with an explanation that its light has efficacy in various skin diseases such as herpes zoster, acne and inflammation.

News



SMARTLUX delivers healing power and energy of light composed of red, blue, yellow, green, and IR with high-intensity SLDs (Super-luminous diodes) developed by SMART Phototherapy technologies. From wound healing and pain relief to improvement of dermatological conditions, anti-aging treatment, a boost to skin's radiance , SMARTLUX effects exceptional results with its various wavelengths selection and wide variety of irradiation angle.

Scientific Background



❶ Light penetrates into subcutaneous tissue.
❷ Mitochondria absorb the photon light energy and they are energized.
❸ The stimulated mitochondria produce more ATP, which stimulates cells to be reproduced faster and function lively like younger cells.
❹ The super luminous light promotes cell wall exchange and stimulates the microcirculation of blood.
By increasing cell reproduction and improving blood circulation, more collagen and elastin are produced, which leads to reduce wrinkles and decrease healing time. Skin will look younger, plumper, and healthier within 2-6 weeks.

How SMARTLUX works

SMARTLUX helps to proceed below skin recovery steps faster

(Process of Skin Recovery)

Nominal Wavelength(nm)	Cell Types/Action Level						
	Inflammation			Proliferation		Remodeling	All
	Mast	Neutro	Macro	Fibro	Endo	Fibro-Myo	Keratino
590-595				+++			
SMARTLUX RED 630-670	++	+	++	+++	+++	+	+++
790	++			++			
SMARTLUX IR 830	+++	+++	+++	+	++	+++	+++
904	-		+/-	-			

*Mast : Mast cells / Neutro : Neutrophils / Macro : Macrophages / Fibro : Fibroblasts / Fibro-Myo : Fibroblast to myofibroblast transformation / Keratino : Keratinocytes

Source
Calderhead, R. Glen. *Lasers in Dermatology and Medicine*, Springer London. 2012, 254

SMARTLUX

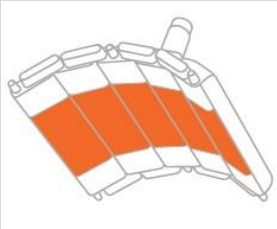
High Intensity Phototherapy Device

MEDMIX

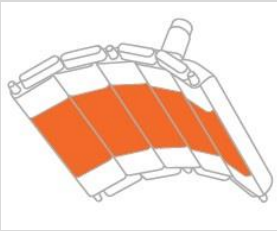
LIGHT COLOR	WAVELENGTH	CLINICAL INDICATION	APPLICATION
BLUE 	420nm	Sterilization	Acne
YELLOW 	590nm	Blood Circulation	Bruise, Swelling, Post-Plastic Surgery Treatment, Vascular Lesion, Whitening
RED 	635nm	Cell Reproduction	Skin Recovering, Wound Healing, Hair and Scalp Treatment
IR 	830nm	Reduction of Inflammation	Pain Relief

SMARTLUX SLIM

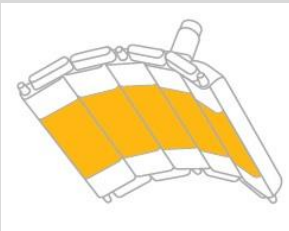
BRAND TYPE	PREMIUM BRAND
COMPOSITION	HEAD PART / BODY PART
LAMP TYPE	INDIVIDUAL LAMP TYPE (A lamp has only one light)
HEAD OPTIONS	FX PLUS (RED+IR), FX (RED+IR), DUAL (YELLOW+IR)
NUMBER OF SLD	FX PLUS: 2,450EA (RED: 1,120EA + IR: 1,330EA)
	FX: 1,200EA (RED: 700EA + IR: 500EA)
	DUAL: 2,450EA (YELLOW: 1,120EA + IR: 1,330EA)
WAVELENGTH	FX PLUS: RED-635nm / IR-830nm
	FX: RED-635nm / IR-830nm
	DUAL: 590nm / IR-830nm
INTENSITY (MAX)	FX PLUS: 65mW-135mW/cm^2
	FX: 45mW-90mW/cm^2
	DUAL: 18mW-95mW/cm^2



FX PLUS(RED+IR)



FX (RED+IR)



DUAL(YELLOW+IR)

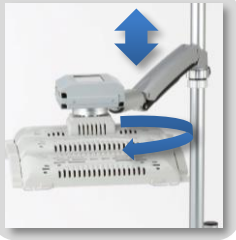
SMARTLUX

High Intensity Phototherapy Device

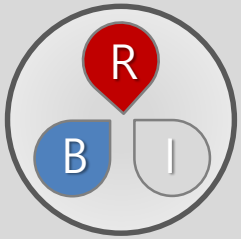
MEDMIX

SMARTLUX MINI

BRAND TYPE	DIFFUSION BRAND
COMPOSITION	ALL IN ONE TYPE
LAMP TYPE	MULTIPLE LAMP TYPE (A lamp has three lights)
HEAD OPTIONS	HEAD1 (BLUE+RED+IR), HEAD2 (YELLOW+RED+IR), HEAD3 (BLUE+RED+YELLOW)
NUMBER OF SLD	HEAD1: 4,320EA (1,440EA per color)
	HEAD2: 4,320EA (1,440EA per color)
	HEAD3: 4,320EA (1,440EA per color)
WAVELENGTH	HEAD1: BLUE-420nm / RED-635nm / IR-830nm
	HEAD2: YEL-590nm / RED-635nm / IR-830nm
	HEAD3: BLUE-420nm / RED-635nm / YEL-590nm
INTENSITY (MAX)	HEAD1: B+R+IR = 28mW-90mW/cm^2
	HEAD2: Y+R+IR = 20mW-75mW/cm^2
	HEAD3: B+R+Y = 20mW-90mW/cm^2

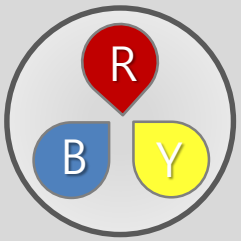


<Rotative Head>



HEAD1(BLUE+RED+IR)

HEAD2(YELLOW+RED+IR)



HEAD3(BLUE+RED+YELLOW)

SMARTLUX - MAIN FEATURES

High Intensity Phototherapy Device

HIGH INTENSITY | RESEARCH PAPERS
DIVERGENCE ANGLE | VARIOUS OPTION
COOLING SYSTEM | RACK STRUCTURE

MEDMIX

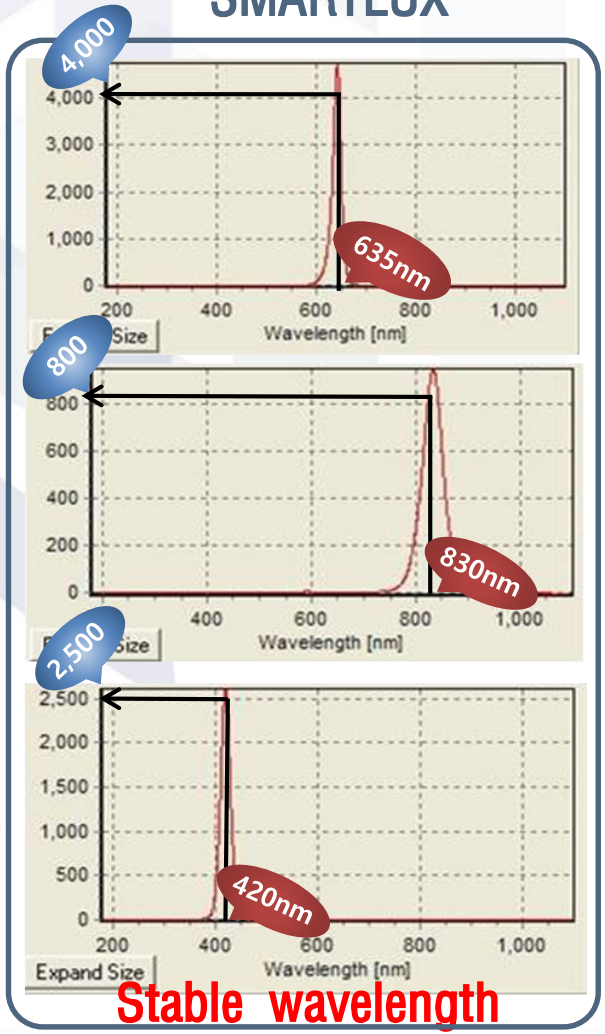
SMARTLUX has extremely high intensity with high technology.

SMARTLUX vs LOW QUALITY DEVICE

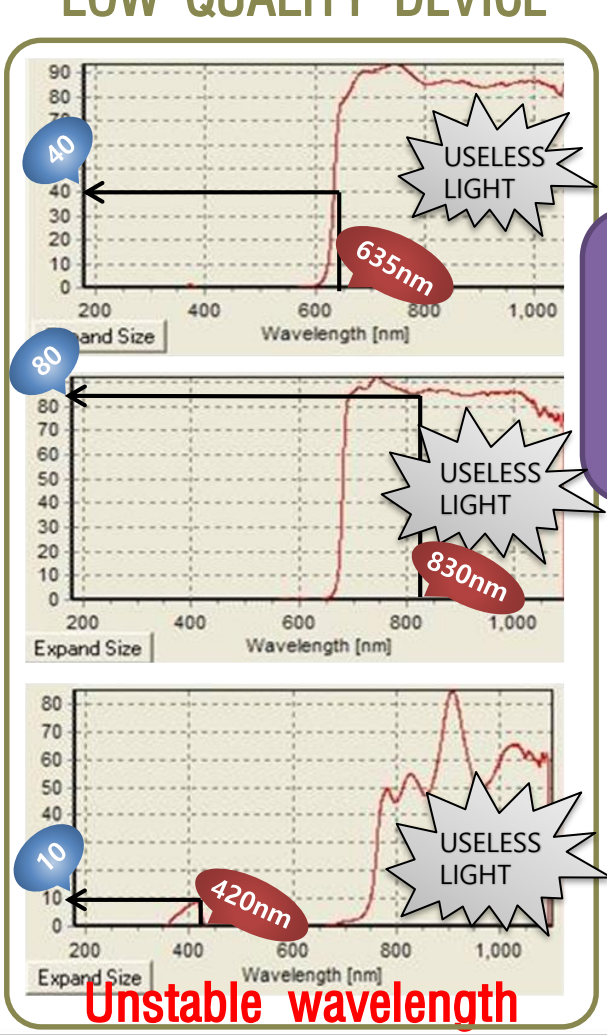
RED (635nm)

IR (830nm)

BLUE (420nm)



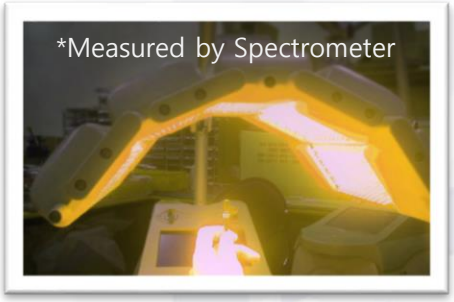
Stable wavelength



Unstable wavelength

See the strength
at the point of specific wavelength
which has clinical indication.

The strength
at the point of other wavelength
does not have
any clinical indication. (Useless)



SMARTLUX - MAIN FEATURES

High Intensity Phototherapy Device

HIGH INTENSITY | RESEARCH PAPERS
DIVERGENCE ANGLE | VARIOUS OPTION
COOLING SYSTEM | RACK STRUCTURE

MEDMIX

Low quality devices are same as LED lighting or traffic light.

LOW QUALITY DEVICE =

Low quality devices can't give you any medical effect at all due to poor intensity of light.

Do you want to buy "Expensive LED Lighting" or "Medical Device"?

SMARTLUX - MAIN FEATURES

High Intensity Phototherapy Device

HIGH INTENSITY | RESEARCH PAPERS
DIVERGENCE ANGLE | VARIOUS OPTION
COOLING SYSTEM | RACK STRUCTURE

MEDMIX

Multiple research papers have been published by SMARTLUX.

➔ Reputable, Reliable, Validated Medical Device!

Efficacy of Light-Emitting Diode Photomodulat
Erythema After Fractional Carbon Dioxide La
A Pilot Study

Correspondence

578-nm Copper Bromide Laser오
치료한 소판상 건선 1례

A Case of Small Plaque Psoriasis Treated wi
Combination of 578-nm Copper Bromide L
ser with Light-emitting Diode (LED)

고출력 LED 광조사기 (SmartLux)를 이용한
프랙셔널레이저 박피술후 동통, 부종, 홍반의 빠른 감소

Rapid reduction of post-fractional laser resurfacing pain, edema, and erythema using a novel high-output LED phototherapy device (SmartLux)

REDUCING ERYTHEMA AFTER FRACTIONAL LASER

TREATMENT FOR LOCAL INJECTION-SITE REACTIONS AFTER FILLER

TREATMENT FOR SMALL PLAQUE PSORIASIS

RAPID REDUCTION OF POST-LASER RESURFACING PAIN, EDEMA, ERYTHEMA

SCI CLASS

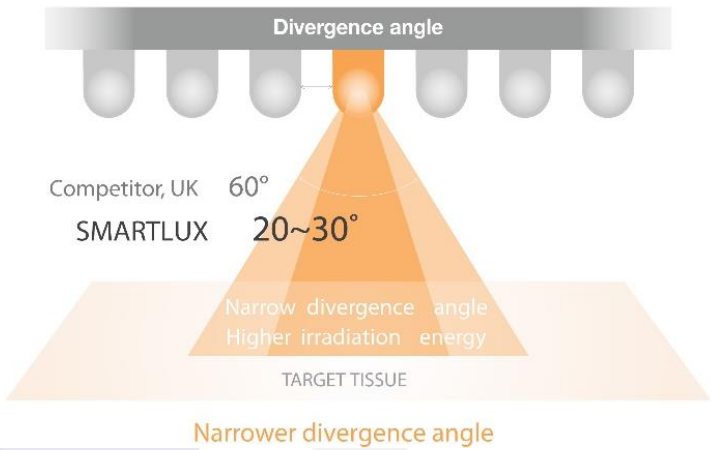
SMARTLUX - MAIN FEATURES

High Intensity Phototherapy Device

MEDMIX

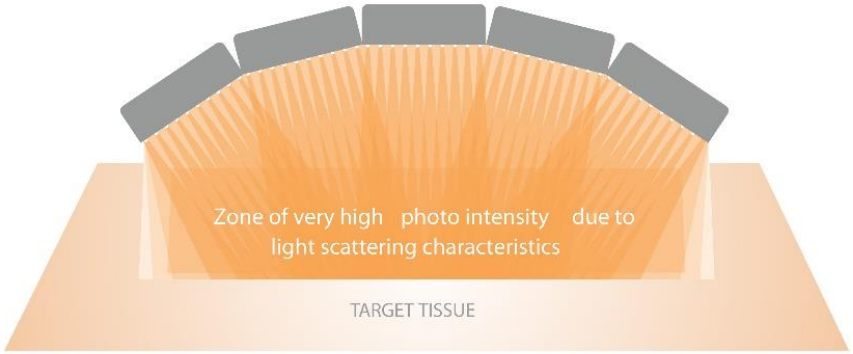
SMARTLUX has a narrow divergence angle for intensified treatment result.

Divergence Angle



Narrower divergence angle

Divergence Angle



Higher irradiation energy

Narrow and precise positioning of the SLDs in the panel array results in multiple intersections of the light beams, generating the highest photon intensity zone on the target surface of the skin, providing intensified effects.

SMARTLUX - MAIN FEATURES

High Intensity Phototherapy Device

HIGH INTENSITY | RESEARCH PAPERS
DIVERGENCE ANGLE | VARIOUS OPTION
COOLING SYSTEM | RACK STRUCTURE

MEDMIX

SMARTLUX provides a wide selection to meet various demands.

SMARTLUX SLIM FX PLUS (R+IR)

SMARTLUX SLIM FX (R+IR)

SMARTLUX SLIM DUAL (Y+IR)

SMARTLUX MINI HEAD1 (B+R+IR)

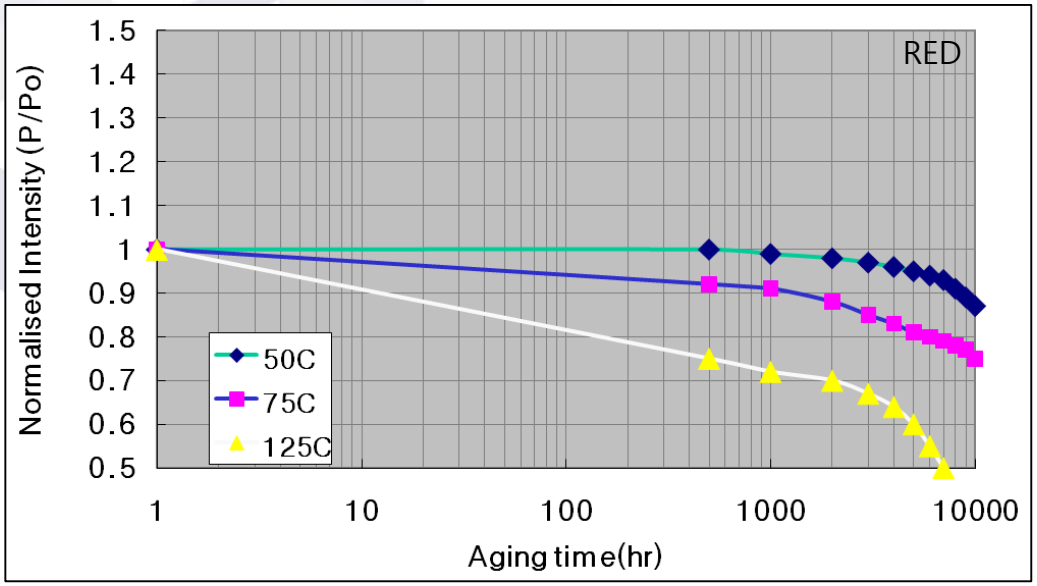
SMARTLUX MINI HEAD2 (Y+R+IR)

SMARTLUX MINI HEAD3 (B+R+Y)

SMARTLUX Cooling System lengthens device life time.

Temperature Controlling System

FAN	Cooling fans reduce the heats.
RADIATOR	Radiators lower the temperature.
SENSORS	Sensors maintain the temperature under 60℃



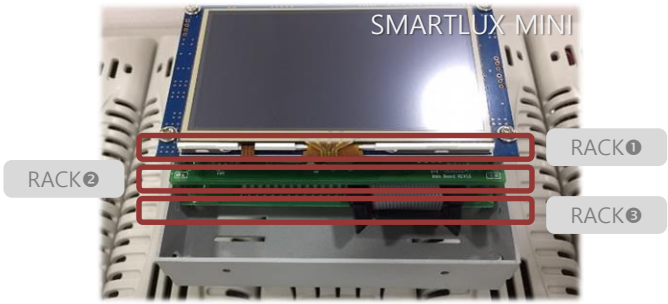
IN CASE OF USING SMARTLUX IN 50℃

IN CASE OF USING SMARTLUX IN 75℃

IN CASE OF USING SMARTLUX IN 125℃

SMARTLUX can keep its intensity at least for 10,000hours due to the cooling system which maintains the temperature under 60℃.

SMARTLUX has a rack structure for easy maintenance.



SMARTLUX consists of multiple racks.
Therefore, it's possible to repair the machine by just replacing the defective rack or component.
It's very easy to manage the clients regardless of the distance between the distributor and clients.

No need to visit your customer's office or clinic to fix the machine.
If there is some problem, you Just send the defective rack or component to save time and money!

SMARTLUX – COMPARISON

High Intensity Phototherapy Device

KOREA - HEALITE Ⅱ

CHINA - KN-7000A

FRANCE - TRIWINGS

MEDMIX

SMARTLUX

Company	Medmix Co.,Ltd (Korea)
Number of SLDs	•SMARTLUX SLIM(FX PLUS): **2,450 EA** •SMARTLUX MINI: **4,320 EA**
Simultaneous Irradiation	**Possible** You can use two or three colors at once.
Wavelength Options & Intensity(Max)	**[SLIM]** •FX PLUS: R(635nm)+IR(830nm) ➔ **65mW-135mW/cm²** •FX: R(635nm)+IR(830nm) ➔ **45mW-90mW/cm²** •DUAL: Y(590nm)+IR(830nm) ➔ **18mW-95mW/cm²** **[MINI]** •HEAD1: B(420nm)+R(635nm)+IR(830nm) ➔ **28mW-90mW/cm²** •HEAD2: Y(590nm)+R(635nm)+IR(830nm) ➔ **20mW-75mW/cm²** •HEAD3: B(420nm)+R(635nm)+Y(590nm) ➔ **20mW-90mW/cm²**

HEALITE Ⅱ

Company	Lutronic Co.,Ltd (Korea)
Number of LEDs	**•1,800 EA**
Simultaneous Irradiation	**Impossible** You can't use two or three colors at once.
Wavelength Options & Intensity(Max)	**[HEALITE Ⅱ]** •IR(830nm) w/Y(590nm) ➔ **40mW-100mW/cm²** •R(633nm) ➔ **30mW-65mW/cm²** •B(415nm) ➔ **10mW-30mW/cm²** **[HEALITE Ⅱ COMBO]** •R(633nm)+IR(830nm) w/Y(590nm) ➔ **20mW-80mW/cm²** •B(415nm)+R(635nm) ➔ **10mW-50mW/cm²** •B(415nm)+IR(830nm) w/Y(590nm) ➔ **10mW-80mW/cm²**

SMARTLUX – COMPARISON

High Intensity Phototherapy Device

KOREA - HEALITE Ⅱ

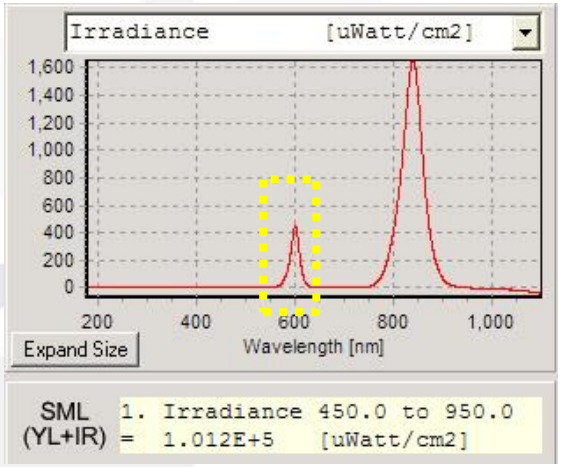
CHINA - KN-7000A

FRANCE - TRIWINGS

MEDMIX

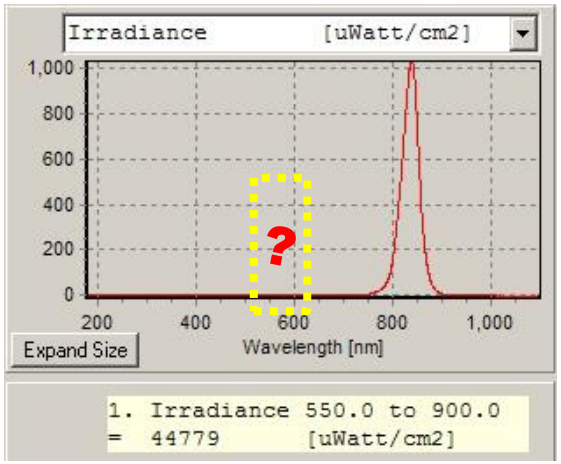
SMARTLUX SLIM DUAL

YELLOW(590nm) + IR(830nm)



HEALITE Ⅱ

YELLOW(590nm) + IR(830nm)



SMARTLUX SLIM DUAL	
Company	**Medmix Co.,Ltd (Korea)**
Number of SLDs	•SMARTLUX SLIM(DUAL): **2,450 EA**
Intensity(Max)	•Testing Result: **101mW/cm²** (Official Data: 95mW/cm²)
Yellow(590nm)	There is **a distinct signal in 590nm**.

HEALITE Ⅱ 830(w/590)	
Company	**Lutronic Co.,Ltd (Korea)**
Number of LEDs	•HEALITE Ⅱ: **1,800 EA**
Intensity(Max)	•Testing Result: **44mW/cm²** (Official Data: 100mW/cm²)
Yellow(590nm)	There is **no signal in 590nm** at all.

◇*Intensity is based on the actual survey.*

SMARTLUX – COMPARISON

High Intensity Phototherapy Device

KOREA - HEALITE II

CHINA - KN-7000A

FRANCE - TRIWINGS

MEDMIX

SMARTLUX

Company	Medmix Co.,Ltd (Korea)
Number of SLDs	•SMARTLUX SLIM(FX PLUS): **2,450 EA** •SMARTLUX MINI: **4,320 EA**
Intensity(Max)	•SMARTLUX SLIM(FX PLUS): **135mW/cm²** •SMARTLUX MINI(HEAD1): **90mW/cm²**
Maximum Simultaneous Irradiation	**3 Colors(Wavelengths)** **[MINI]** •HEAD1: B(420nm)+R(635nm)+IR(830nm) •HEAD2: Y(590nm)+R(635nm)+IR(830nm) •HEAD3: B(420nm)+R(635nm)+Y(590nm)

KN-7000A

Company	Kernel Co.,Ltd (China)
Number of LEDs	•KN-7000A: **1,820 EA**
Intensity(Max)	•KN-7000A: **120mW/cm²**
Maximum Simultaneous Irradiation	**2 Colors(Wavelengths)** •B(415nm)+R(635nm) •Y(590nm)+R(635nm) •R(635nm)+IR(830nm)

SMARTLUX – COMPARISON

High Intensity Phototherapy Device

KOREA - HEALITE II

CHINA - KN-7000A

FRANCE - TRIWINGS

MEDMIX

SMARTLUX

Company	Medmix Co.,Ltd (Korea)
Intensity(Max)	•SMARTLUX SLIM(FX PLUS): **135mW/cm²** •SMARTLUX MINI(HEAD1): **90mW/cm²**
Energy Range	•SMARTLUX SLIM(FX): **1~324 J/cm²** •SMARTLUX MINI(HEAD1): **1~184 J/cm²**

TRIWINGS CLASSIC

Company	Biophoton Co.,Ltd (France)
Intensity(Max)	•TRIWINGS CLASSIC: **105mw/cm²**
Energy Range	•TRIWINGS CLASSIC: **1~99 J/cm²**

SMARTLUX - CLINICAL RESEARCH

High Intensity Phototherapy Device

ACNE | POST-LASER TREATMENT | WOUND HEALING | BRUISE & EDEMA | ECZEMA | FRECKLE

MEDMIX

BEFORE	AFTER
	

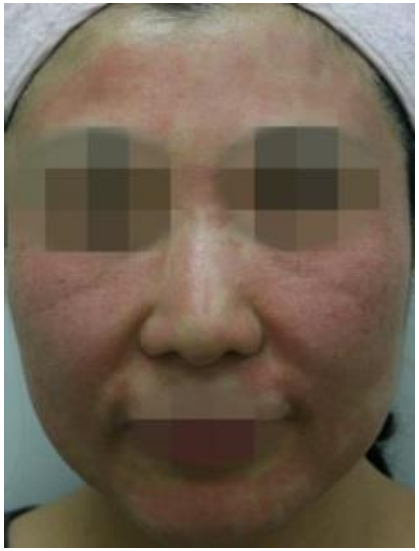
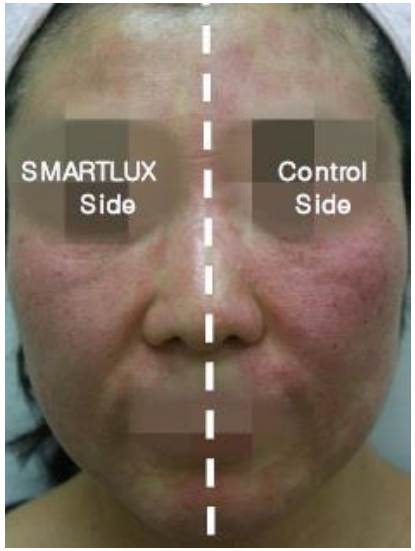
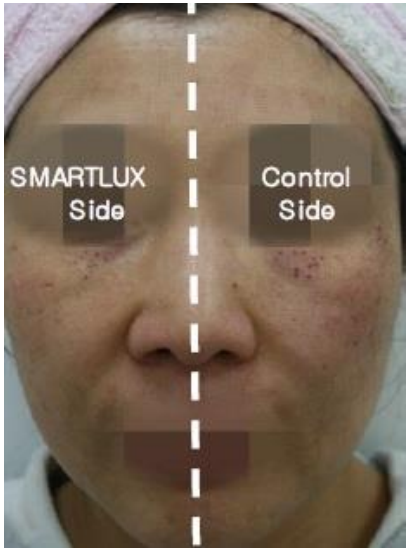
SMARTLUX TREATMENT	
SLD LIGHT	BLUE
LEVEL	4~5
TIME	10 MIN
FREQUENCY	TWICE A WEEK
PERIOD	2 WEEKS

SMARTLUX - CLINICAL RESEARCH

High Intensity Phototherapy Device

ACNE | POST-LASER TREATMENT | WOUND HEALING | BRUISE & EDEMA | ECZEMA | FRECKLE

MEDMIX

BEFORE	1ST DAY	3RD DAY
		

SMARTLUX TREATMENT	
SLD LIGHT	FX (RED+IR)
LEVEL	5
TIME	20 MIN
FREQUENCY	EVERYDAY
PERIOD	3 DAYS

SMARTLUX - CLINICAL RESEARCH

High Intensity Phototherapy Device

ACNE | POST-LASER TREATMENT
WOUND HEALING | BRUISE & EDEMA
ECZEMA | FRECKLE

MEDMIX

BEFORE	AFTER
	

SMARTLUX TREATMENT	
SLD LIGHT	FX (RED+IR)
LEVEL	5
TIME	20 MIN
FREQUENCY	2 TIMES
PERIOD	3 DAYS

SMARTLUX - CLINICAL RESEARCH

High Intensity Phototherapy Device

ACNE | POST-LASER TREATMENT
WOUND HEALING | BRUISE & EDEMA
ECZEMA | FRECKLE

MEDMIX

BEFORE	AFTER
	

SMARTLUX TREATMENT	
SLD LIGHT	FX (RED+IR)
LEVEL	5
TIME	20 MIN
FREQUENCY	1 TIME
PERIOD	1 DAY

SMARTLUX - CLINICAL RESEARCH

High Intensity Phototherapy Device

ACNE | POST-LASER TREATMENT
WOUND HEALING | BRUISE & EDEMA
ECZEMA | FRECKLE

MEDMIX

BEFORE	1ST DAY	3RD DAY
		

SMARTLUX TREATMENT	
SLD LIGHT	RED
LEVEL	5
TIME	20 MIN
FREQUENCY	EVERYDAY
PERIOD	2 DAYS

SMARTLUX - CLINICAL RESEARCH

High Intensity Phototherapy Device

ACNE | POST-LASER TREATMENT | WOUND HEALING | BRUISE & EDEMA | ECZEMA | FRECKLE

MEDMIX

BEFORE	AFTER
	

SMARTLUX TREATMENT	
SLD LIGHT	YELLOW
LEVEL	5
TIME	20 MIN
FREQUENCY	TWICE A WEEK
PERIOD	3 MONTHS

Thank you

sales@medmix.co.kr

MEDMIX

Total Medical Solution Company