

OMEGA PDT

Low Level Led Therapy **Professional**

Omega PDT combines 4 wavelength and IR to cure various skin problems



5 LED
5 in 1

SMD LED
380_{ea} x 4 types

IR 830nm
190_{ea}

MORE3



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What is Omega PDT

Omega PDT is a complex light source irradiation device that can use low-output light source irradiation and near-infrared irradiation together.

LED lamps with four wavelengths of 640nm (Red), 423nm (Blue), 532nm (Green), and 583 (Yellow) and 830nm (IR) near-infrared lamps activate cell function and solve various skin problems.

Compared to existing light source irradiation equipment, you can expect superior effects with high-intensity output and an increased number of LED lamps for each wavelength. Various functions have been added to increase user convenience, and it can be used for not only face but also body care.

In addition, it is a complex light source irradiation device that uses a special near-infrared SMD LED element lamp with high-intensity to provide care without side effects such as heat injury, photoaging, and wounds, which are disadvantages of general laser treatment.

| Wavelengths | SMD LED (Light Emitting Diode) | | | | IR (Infrared Ray) |
|--------------|--------------------------------|------------|------------|------------|-------------------|
| | 640nm | 423nm | 532nm | 583nm | 830nm |
| Lights Color | ● | ● | ● | ● | ● Invisible |
| LEDs | 259ea | 259ea | 259ea | 259ea | 109ea |
| | ↓ 380ea | ↓ 380ea | ↓ 380ea | ↓ 380ea | ↓ 190ea |

PDT Protocol

• Acne treatment

| | | |
|---|-----------------------|--|
| ① | Cleansing | |
| ② | Primary treatment | skin scrub, superficial peeling, extraction, etc. |
| ③ | ALA application | Apply ALA mask for 15 to 25 minutes) Incubation (wrapping) |
| ④ | Omega PDT irradiation | irradiate with 423nm blue wavelength |
| ⑤ | Calming pack | Apply Bio-gel mask |
| ⑥ | Finishing | Apply moisturizing/regenerating cream and sunscreen |



• Body treatment

| | | |
|---|-----------------------|--|
| ① | Cleansing | |
| ② | Primary treatment | skin scrub, superficial peeling, extraction, etc. |
| ③ | ALA application | Apply ALA mask for 15 to 25 minutes) Incubation (wrapping) |
| ④ | Omega PDT irradiation | irradiate with 423nm blue wavelength |
| ⑤ | Calming pack | Apply Bio-gel mask |
| ⑥ | Finishing | Apply moisturizing/regenerating cream and sunscreen |



• After Laser

| | | |
|---|-----------------|--|
| ① | Cooling calming | |
| ② | Omega PDT 'IR' | Irradiate with Red wavelength of 640nm (irradiation for more than 10 minutes) Green wavelength (532nm), Yellow (583nm) irradiation depending on skin disease and severity |
| ③ | Calming pack | Apply Bio-gel mask |
| ④ | Finishing | Apply moisturizing/regenerating cream and sunscreen |



PDT treatment case



Before



After

CASE 1



Before



After

CASE 2



Before



After

CASE 3

PDT solution

What is ALAmask-13, a mask sheet type PDT solution?



“Easy, fast and effective photosensitizer for trouble care”

ALA mask-13 is a mask sheet type PDT solution exclusively for LED light sources. Because it contains a photosensitizer (5-aminolevulinic acid), it is non-irritating, unlike other ALA treatments from other companies, it allows daily life without discomfort the next day. It maintains healthy skin without recurrence by controlling the amount of sebum in the treatment area.



Photosensitizer / ALA mask-13 / 25g 10ea

- Sheet type ALA, easy to use
- Safe to use without side effects
- Easy to use without light blocking or neutralizing
- ALA without disruption to daily life, safe to use
- Hygienic treatment possible with 1 pack at once

RED



| | | | |
|-------------------|-----------------------|----------------|-------------------------|
| Output intensity | 42 mw/cm ² | Treatment time | 5~60 minutes |
| Output wavelength | 640 +/- 5nm | Dose range | 1~186 J/cm ² |
| Standard dose | 28 J/cm ² | Band width | 20nm +/-5nm |

BLUE



| | | | |
|-------------------|-----------------------|----------------|-------------------------|
| Output intensity | 46 mw/cm ² | Treatment time | 5~60 minutes |
| Output wavelength | 423 +/- 5nm | Dose range | 1~152 J/cm ² |
| Standard dose | 28 J/cm ² | Band width | 20nm +/-5nm |

GREEN



| | | | |
|-------------------|-----------------------|----------------|------------------------|
| Output intensity | 15 mw/cm ² | Treatment time | 5~60 minutes |
| Output wavelength | 532 +/- 5nm | Dose range | 1~52 J/cm ² |
| Standard dose | 9 J/cm ² | Band width | 20nm +/-5nm |

YELLOW

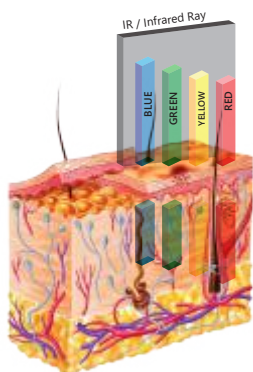


| | | | |
|-------------------|-----------------------|----------------|------------------------|
| Output intensity | 11 mw/cm ² | Treatment time | 5~60 minutes |
| Output wavelength | 583 +/- 5nm | Dose range | 1~39 J/cm ² |
| Standard dose | 7 J/cm ² | Band width | 20nm +/-5nm |

IR

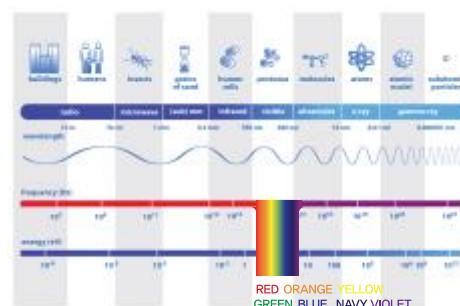


| | | | |
|-------------------|-----------------------|----------------|------------------------|
| Output intensity | 15 mw/cm ² | Treatment time | 1~10 minutes |
| Output wavelength | 830 +/- 5nm | Dose range | 1~56 J/cm ² |
| Standard dose | 12 J/cm ² | Band width | 20nm +/-5nm |



| | |
|----------------|---------|
| BLUE / 423nm | 1mm |
| GREEN / 532nm | 0.5~2mm |
| YELLOW / 583nm | 1~2mm |
| RED / 640nm | 1~4mm |
| IR / 830nm | ~6mm |

Electromagnetic spectrum



red light has the longest wavelength

violet light has the shortest wavelength

one-sective crests or trough of a wave

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