UVB-LED Phototherapy Device

TheraBeam® UV308 mini LED

Specifications

Device type	UV Phototherapy Device
Product name	TheraBeam UV308 mini LED
Light source	LED
Peak wavelength	308 nm
Irradiation dose configuration	20 mJ/cm² to 3000 mJ/cm²
Irradiation area	50 mm × 50 mm
Operating temperature	10 to 30℃
Rated voltage	AC 100 - 240V
Rated frequency	50 / 60 Hz
Rated input	180VA
Dimensions	Handpiece: 170 × 77 × 138 mm (H × W × D; excluding protrusions) Main unit: 178 × 254 × 214 mm (H × W × D; excluding protrusions)
Weight	Handpiece: 0.37 kg Main unit: 3.6 kg

* Specifications and appearance are subject to change without notice.

Applications

Psoriasis, vitiligo vulgaris, atopic
dermatitis, parapsoriasis, palmoplantar pustulosis,
mycosis fungoides(syndrome), malignant lymphoma,
pityriasis lichenoides chronica, and alopecia areata.

Accessories included

Irradiation attachment
(magnet type)

Light-blocking glasses ×2

Light-blocking sheet set
(transparent UV cut film)

USHIO

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Sales Agent

2509S②-NP

USHIO Applying Light to Life

For Sustainable Selection
UVB-LED Phototherapy Device



TheraBeam® UV308 mini LED

【UVB-LED Phototherapy Device】

Equipped with a unique “UVB-LED light source system.”

Energy-saving, high-output, and ultra-lightness have been achieved.

TheraBeam® UV308 mini LED

【UVB-LED Phototherapy Device】



Four Merits

① Fast and simple

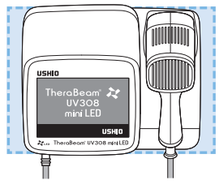
- A high-output LED reduces the irradiation time by one fourth compared to before*1
- Appropriate light irradiation with a unique control technology

② Light and space-saving

Handpiece: 370 g

Footprint smaller than A4 size

A4 size



③ Energy-saving, long-lifetime, and maintenance-free

- Power consumption is reduced by about 70%*2
- Light source lifetime is longer by about four to five times*3
- Maintenance-free during the service period of six years*4

④ Made in Japan

As a light solutions company, Ushio offers an integrated system covering development, manufacturing, sales, and after-sale services.





USHIO Offers a Fast, Light, and Energy-saving System made in Japan

CORE TECHNOLOGY

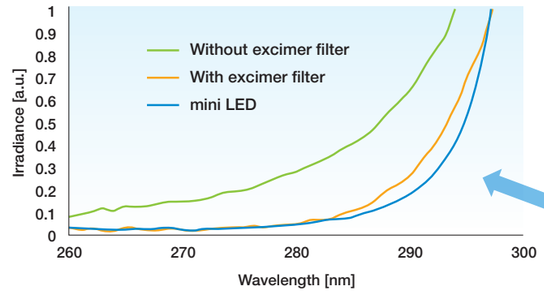
UVB-LED Light Source System

High-output and wavelength stabilizing technology

There was an issue with LEDs in the ultraviolet region. Their light properties are easily influenced by the operation environment, so they are unsuitable for ultraviolet phototherapy devices. USHIO therefore developed a “UVB-LED Light Source System” using a high-output LED for ultraviolet phototherapy devices jointly with Nagoya City University and achieved high output and stable appropriate light irradiation with its control technology.

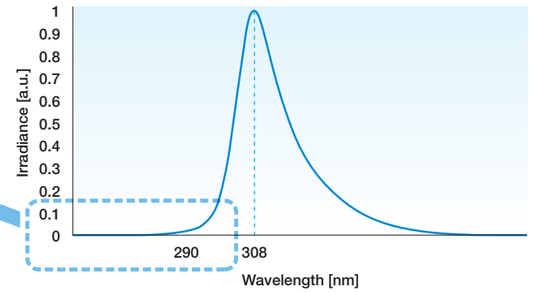
Reducing erythema reaction

The system realized UV light with reduced short wavelengths Note



Peak wavelength 308 nm

Peak wavelength is 308 nm as with excimer light



Note: This does not mean that erythema reaction does not occur. It is based on the theory that erythema reaction is decreased by reducing the short wavelengths. Health Phys. 67(4):319-325; 1994

Lightweight handpiece



With an anti-drop strap

Put your finger in the ring when you are using it.

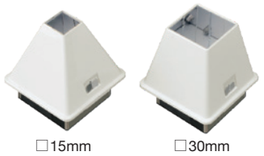
When you are not using it, be sure to connect it to the supplied strap to prevent dropping.

Access to the patient



Irradiation window size

50mm × 50mm



Irradiation attachment



Since the irradiation window is transparent, you can irradiate while observing the affected area.

* A light-blocking sheet is also available (see back side)



Magnet type and one-touch attachable

*1 In comparison with the previous model, TheraBeam® UV308 mini. Comparison is made with the time required for the same irradiation dose.
*2 In comparison with the previous model, TheraBeam® UV308 mini. Comparison is made with the power consumed for the same irradiation dose.
*3 In comparison with the previous model, TheraBeam® UV308 mini. Calculated based on the time required for the same irradiation dose.
*4 If you want to use it longer than the service period, annual maintenance and inspection will be required.