

Omnilux is manufactured by PhotoTherapeutics, the international pioneer in light therapy that has led the research and development of LED systems for more than 15 years.

The company was established 1998 with funding from the University of Manchester Institute of Science and Technology (UMIST) after one of their leading scientists, Dr. Colin Whitehurst, discovered that PDT had the ability to kill non-melanoma skin cancer through apoptosis. In researching an alternative light source for PDT drug activation, Dr. Whitehurst developed a non-laser light and named it the Paterson lamp after UMIST's Paterson Institute for Cancer Research.

In doing so, Dr. Whitehurst revolutionized photodynamic therapy, moving it out of the laboratory and into clinics, by delivering a faster, safer and more effective treatment without the need for surgery, cryotherapy, chemotherapy or radiotherapy. His discovery and invention, considered revolutionary at the time, is the foundation of the Omnilux LED Light Therapy systems in commerce today.

The company's dedication to research and development of light therapy for medical and non-medical applications is validated in more than 40 clinical studies and published in dozens of peer-reviewed publications. With 7 FDA clearances, Omnilux has earned the confidence of 3300 physicians in the United States and 37 countries worldwide.

The Omnilux Light Therapy system offers single platform technology and the versatility of multiple wavelength heads for the treatment of acne, wrinkle reduction, skin rejuvenation and pain management.

PhotoTherapeutics was acquired by PhotoMedex®, a leading supplier of medical laser products and advanced clinical skincare products, in February 2009.





## The Healing Power of Light



Acne is NOT caused by bad diet or greasy foods. In fact, acne develops when the sebaceous glands in a person's skin produces excess oil (sebum). This oil combines with cells that line the gland walls and clogs the skin's pores. Normal skin bacteria colonize these pores and the body's response causes the inflammation or reddening of the skin that we associate with acne.

Researchers have discovered that something as simple as light holds the key to clearing up problem skin. When skin is flooded with alternating blue and red light, the bacteria self destructs and inflammation is decreased.

Move the switch **UP** for **BLUE** light.

Move the switch **DOWN** for **RED** light.



Blue light destroys the bacteria responsible for acne and has been clinically proven to effectively treat mild to moderate acne vulgaris.

Omnilux clear-U is FDA cleared for treatment of mild to moderate acne.



Red light stimulates cells responsible for tissue repair and regeneration.



## Omnilux clear-U™ hand-held device receives FDA Clearance

**Carlsbad, CA** — January 16, 2009: PhotoTherapeutics, Inc. is pleased to announce it has received FDA clearance on its new over-the-counter light therapy device, Omnilux clear-U, for the treatment of mild to moderate acne.

**THE FACTS:** Omnilux clear-U has been clinically proven to treat mild to moderate acne, using a combination of alternate treatments of red and blue light twice a week for four weeks.

The clinical study conducted by Neil Sadick, Weill Medical College of Cornell University Department of Dermatology, New York, demonstrated clearance of acne lesions within 8 weeks in 70% of subjects. Omnilux clear-U is also proven to progressively reduce lesion counts during treatment and continue reduction post-therapy for an average clearance of 69%.

**THE HISTORY:** PhotoTherapeutics, Inc. was established in 1998 with the right to the patented photodynamic therapy technology, the Paterson Lamp. Originating from the University of Manchester Institute of Science and Technology (UMIST) and with over 12 years of cumulative research, the technology was launched commercially in 2002 as Omnilux. PhotoTherapeutics was acquired by PhotoMedex® in February of 2009.

“When used alone to treat acne, patients not only report excellent clearance, they report better texture and skin tone.”

- Mark B. Taylor, MD Salt Lake City, Utah, USA -





OMNILUX clear-U™

OMNILUX clear-U™

Active treatment area:  
1.8" x 2.4" (4.7 x 6.1 cm)

Unit size:

H = 4.9" (12.5 cm), W = 2.4" (6.2 cm)  
D = 1.6" at maximum (4 cm)

Omnilux md clear-U is intended for the treatment of mild to moderate acne vulgaris using switchable blue and red light emitting diodes.

Wavelength	Blue	415nm
	Red	633nm
Standard Dose	Blue	48J/cm <sup>2</sup>
	Red	126J/cm <sup>2</sup>
Intensity	Blue	40mW/cm <sup>2</sup>
	Red	70mW/cm <sup>2</sup>
<ul style="list-style-type: none"> <li>• Red light (633 nm) is proven to calm inflamed skin.</li> <li>• Blue light (415 nm) is proven to fight bacteria.</li> </ul>		

Omnilux md clear-U is light weight and ergonomically designed, and contains a built-in cooling device to keep the LEDs cool so the wavelengths don't deviate, giving you results you can rely on.



The Omnilux md clear-U has been tested to International standards to ensure that the outputs are safe for use on the skin and also for the eyes. However, a set of patient goggles is included for your comfort.



Device Comparison	Omnilux md clear-U	Tanda Clear	Evis MD Platinum Blue Acne	Baby Blue
Manufacturer	PhotoTherapeutics	Pharos Life Corporation	Ageless Beauty Corporation	Silver Bay, LLC
Website	phototherapeutics.com	tandaskincare.com	evismd.com	babyquasar.com
List Price	\$225	\$388	\$295	\$349
Sale Price	-	\$250	\$236	\$279
No. of LEDs	90	20	37	24
Blue 408-418nm	30	20	37	24
Yellow 590nm	-	-	-	-
Red 630-640nm	60	-	-	-
Red 650-670nm	-	-	-	-
IR 830nm	-	-	-	-
IR 850-980nm	-	-	-	-
Treatment window				
Window Size cm (inches)	4.7 by 6.1 (1.8" x 2.4")	4.1 by 4.3 (1.6" x 1.7")	3.9 x 6.1 (1.5" x 2.4")	3.3 (1.3")
Shape	Rectangle	Triangle	Oval	Circle
Area (cm <sup>2</sup> )	28.7	12.5	18.3	8.6
LED Density (LED/cm <sup>2</sup> )				
Blue 408-418nm	1.04	1.60	2.02	2.79
Yellow 590nm	-	-	-	-
Red 630-640nm	2.09	-	-	-
Red 650-670nm	-	-	-	-
IR 830nm	-	-	-	-
IR 850-980nm	-	-	-	-
LED Intensity (mW/cm <sup>2</sup> )				
Blue 408-418nm	40	44% less than clear-U	37% less than clear-U	37% less than clear-U
Yellow 590nm	-	-	-	-
Red 630-640nm	70	-	-	-
Red 650-670nm	-	-	-	-
IR 830nm	-	-	-	-
IR 850-980nm	-	-	-	-
Treatment Regimen				
Minutes per Area	20	3	3-6	15
Frequency	2 Times Per Week	2 Times / Day	3 Times / Week	Daily
Interval between treatments	2- 5 days	-	-	-
FDA				
510(k)	K081307	K070185 & K080591	K082232	K072767
Prescriptive	No	Yes	Yes	Yes
OTC	Yes	Yes	No	No
Indications	For the treatment of mild to moderate acne on the face	For the treatment of mild to moderate inflammatory acne	Indicated to treat mild to moderate inflammatory acne	To treat moderate inflammatory acne vulgaris
Published Peer Reviewed Clinical Studies	Journal of Drugs in Dermatology. 2008; 7: 347-350	none	None	None
Weight (Handpiece)	0.15 lb (68g)	0.30 lb (136g)	0.25 lb (114g)	0.25 lb (114g)
Accessories				
Skincare Product Included	Yes	Anti-blemish Gel & Cleanser	No	No
Warranty	3 Years	1 Year	1 Year	5 Years
Registration Card	No	No	Yes	No
Special Features	Highest Intensity, Two Wavelengths, 18 minutes	Skin Proximity Sensor, Battery or Power Supply, 18 minutes	Beeps every 3 minutes and will shut off at 18 minutes	No window