

# LumaCare

**Illumination for Photodynamic Therapy**

**A simple non-coherent light source delivering all frequencies from one device.**



# Single Solution

LumaCare® has developed an illumination source for Photodynamic Therapy that is simple, elegant, safe and cost effective. Our Patented technologies utilize a pure white, full spectrum light source to create the full spectrum of potential light frequencies. Then we filter and focus the light source with a fiber optic probe to deliver protocol specific frequencies and beam patterns required for most PDT protocols.

This patented technology has two key components; the Light Source produces the full spectrum of visible light, and the Fiber Optic Probe(s) filter and focus the light to specific frequencies, beam patterns and power levels.

## Probes

LumaCare LC-122 offers interchangeable, protocol specific probes that are easily connected with a simple interlocking connection.

Doctors and Staff can now implement PDT in their existing practice in a cost effective and safe manner. The cost effective Fiber Optic Probe(s) are offered in a wide range of frequencies or power requirements and are easily changed in seconds. This allows Doctors to utilize many PDT drugs, compounds and protocols without purchasing numerous lasers or drug specific single use light sources.

## The Light Source

The Light Source is simple, consisting of the non-coherent light source capable of producing almost the entire spectrum of visible light. Having the entire visible light spectrum available allows the LC-122 to produce almost any frequency of light for a wide variety of PDT protocols. The LC-122 can be taken into multiple treatment rooms to increase the number of patients treated. The LumaCare light source is not a laser and therefore it eliminates the high cost of ownership and laser related safety issues.

## Applications

- EU approved for Medical treatment: Acne, Basal Cell Carcinoma (BCC), Actinic Keratoses, and Dermatological Lesions
- Veterinarian's can treat numerous animal related tumors
- Perfect for Protocol Development and clinical trials
- Excellent basic research tool

## Specifications

Voltage:	85VAC – 260VAC	Lamp type:	Specially Designed
Current:	1.6A -3.2A		Quartz Halogen (mixed) lamp
Frequency:	47Hz – 63Hz	Operating Temperature:	+10° to +40°C
Cooling:	Forced Air Cooling	Storage Temperature:	-30° to +60°C
	~50m <sup>3</sup> /hr	Relative Humidity:	5% to 95%



Ci-Tec UK Ltd., London  
Phone: +1 (949) 422-1963

A Division of MBG Technologies, USA  
info@lumacare.com

www.lumacare.com