

Array Product Number	MW-400
Revision No.	1
Date	01/06/2006
Sector	Medical



High Power MW-LED System for Medical Applications



System Characteristics

Item	Min	Typical	Max	Unit
Operational Temperature	10	-	40	Celsius
Peak Wavelength	Please check MW-LED Wavelength selection			nm
Aperture Area		16		cm ²
Total Power from Aperture	Please check MW-LED Wavelength selection			mW



Total Irradiance	Please check MW-LED Wavelength selection		mW/cm ²
Electrical Power Consumption	240	260	W
Electrical Power Requirements	110 – 250 V AC		

MW-LED Wavelength Selection

Wavelength, nm	Power, mW	Irradiance, mW/cm ²
375 nm	4000	250
405 nm	88000	5500
465 nm	88000	5500
520 nm	36000	2250
595 nm	9600	600
630 nm	27000	1700
870 nm	36000	2250
Please request for custom wavelengths if necessary. Subject to availability.		

Applicable Medical Area

The high power density and large treatment surface area system is suitable for various medical application based on flexible wavelength selections. The examples of applications medical area are:

- Acne
- Basal Cell Carcinoma (BCC)
- Actinic Keratosis (AK)
- Oesophageal Cancer
- Other cosmetic Treatments

CAUTIONS – LED Safety

LED RADIATION
AVOID EXPOSURE TO BEAM
CLASS 3R LED PRODUCT

Users should refer to IEC 60825-1:2001 for further information.
Eye protection should conform to EN207.

