



Medical Lamp Data Sheet
LT MedSun Therapy
Wide Band UVB 100W
RDC

Subject to modification!

Dimensions

Lamp Length Nominal [mm]	1760
Base Face to Base Face (max.) [mm]	N/A
Boss to Boss (max.) [mm]	1782,4
Diameter [mm]	38
Base	RDC
Reflector angle [°]	0

Electrical Data (nominal values)

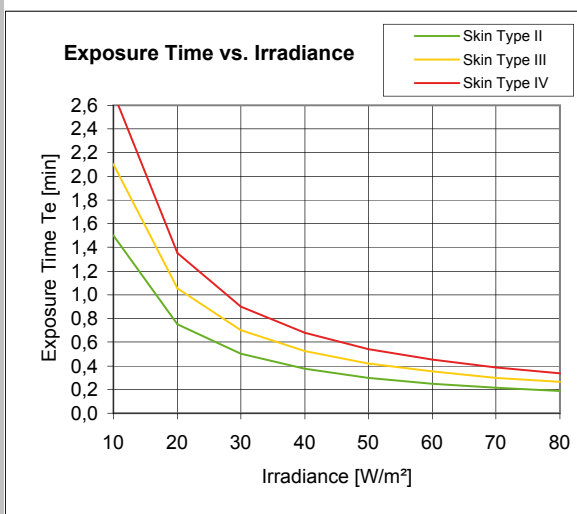
(rapidstart operation not recommended)

Lamp Wattage [W]	100
Lamp Current [A]	0,9
Lamp Voltage [V]	115
Compensation [µF]	10
Ballast	100 W
Recommended Starter (Acc. to EN 60155)	
Non reclosure voltage [V]	>135
Peak voltage [V]	>600
Preheat time [s]	>0.5

Physical Data

UV Radiant Flux [W]	15	Lamp Color	standard
Typical Irradiance in Unit [W/m ²]	60*	Te [min]	5
Nominal B/A Ratio [%]		Tm [min]	15
EUR (UVB:280-315 nm)	120	NMSC Ratio (<320 nm />320 nm)	250
USA (UVB:260-320 nm)	180	Erythema (320-400 nm) [W/m ²]	0,005
Erythema (250-400 nm) [W/m ²]	1,705	Erythema (250-320 nm) [W/m ²]	1,700
Useful Life (recommended) [h]	500		

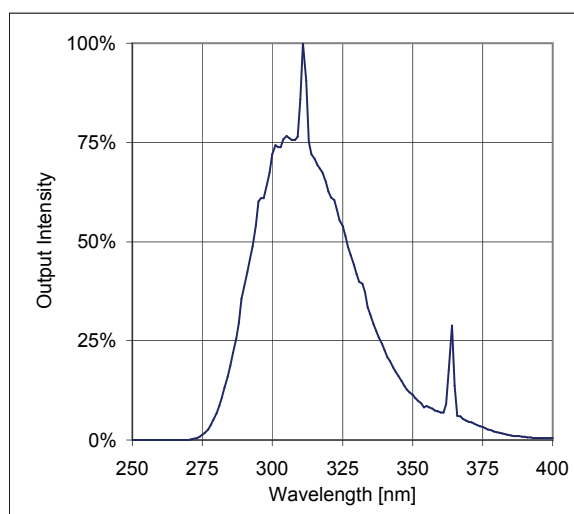
Recommended Exposure Times



The effective dose is derived from the ultraviolet action curve in accordance with EN 60335 - 2 - 27

DANGER! Strong UVB radiation! Only for medical use!

Graphed Data Relative Spectral Radiant Flux



*The value depends on design of medical equipment. (number of lamps, etc.)