



PHOTOTHERAPEUTIC PANEL



Developed and verified in cooperation with

NIMH NATIONAL INSTITUTE
OF MENTAL HEALTH

Phototherapeutic panel

It is designed with the dimensions of a cabin bag to be placed on a table so that its luminous surface is at the eye level of a seated person. It is designed to provide treatment during hospitalization, outpatient care, and home application.

A high therapeutic impact is made possible by the use of Spectrasol Therapeutic's unique light spectrum technology (protected by patent no. 308363) with a high representation of wavelengths in the sensitivity range of ipRGC cells, which act on the circadian system. At the same time, the composition of the spectrum is beneficial for the eyes of the user due to the limitation of harmful blue wavelengths below 450 nm and the content of red wavelengths around 670 nm.

Compared to other available devices, the device is equipped with an extra-large illuminating area. This makes it possible to create a pleasant environment during therapy without glare for the patient, with the possibility to perform activities during the application (reading, breakfast, working on the computer, etc.).

Light parameters

Light distribution	direct
Optical system	opalescent PS cover
CCT measured	5000 K
CCT real	4500 K
CRI	80
Flicker	Flicker Free
Emission area	535 x 600 mm (3210 cm ²)
Relative melanopic effect (melanopic DER)	0,934 lx
Photopic Illuminance*	3000 lx
Equivalent melanopic illuminance by daylight*	2900 lx

Electric parameters

Voltage	100-260 V 50-60 Hz
Connection	IEC 14
Power	max 60W

Mechanical parameters

Body	Al extrusion, Al sheet
Dimensions (when closed)	648x355x157 mm
Material finishing	Anodised Al with adhesive cover
Weight	8 kg
IP coverage	IP20

Maximal ambient temperature	25 °C
Calculated life span	L80B20 70.000h

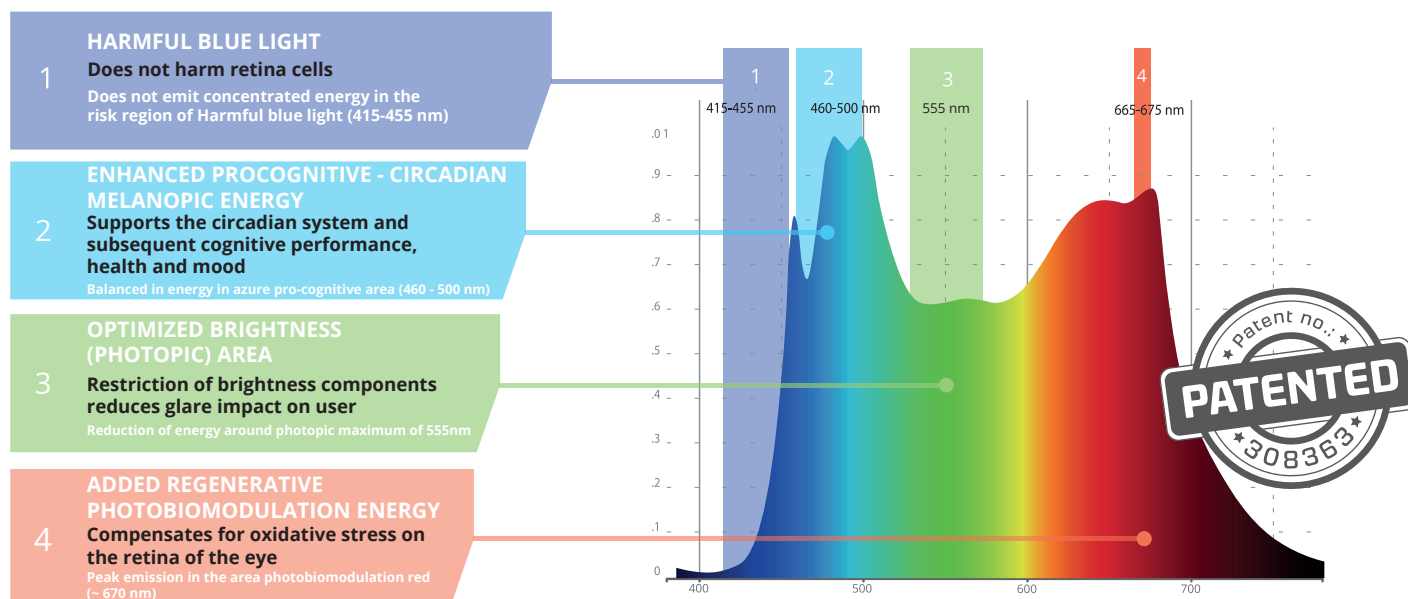
*in recommended distance of use(50 cm)



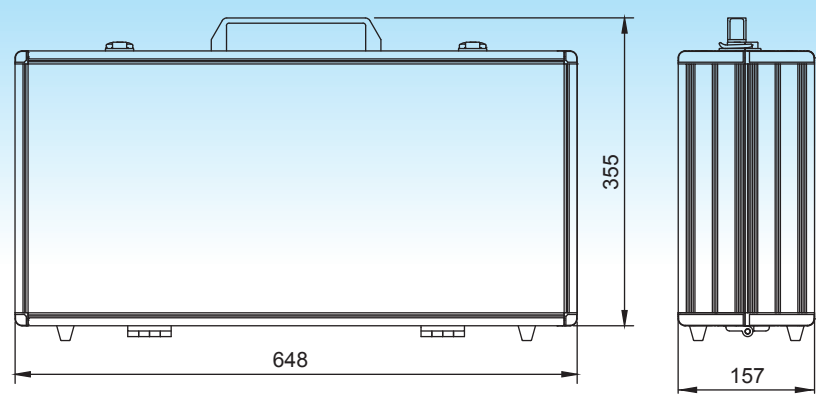
WARNING

Do not use the equipment after sunset.
Use only after consultation with a professional.

Visulisation of Spectrasol spectral composition and description of its key areas

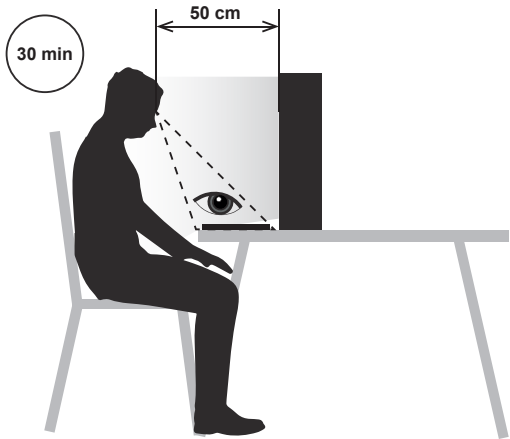


Variants of phototherapeutic panel Spectrasol



Order code	EAN	Variant
1-S06-01-001	8594196880604	Phototherapeutic panel Spectrasol (ON/OFF)

Model situation of recommended use



Visualisation of phototherapeutic panel



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The development and application methodology of this device were created in cooperation with the CTU UCEEB and the NIMH in the project No. FW02020025 funded with state support from the Technology Agency of the Czech Republic and the Ministry of Industry and Trade of the Czech Republic within the TREND Programme.

www.tacr.cz/en

