

PROCOGNITIVE LED LUMINAIRE SPECTRASOL TERRA

FLOOR LAMP



SPECTRASOL
BIODYNAMIC HUMAN SOLUTIONS



Procoognitive full-spectrum lamp Spectrasol TERRA

The patented Spectrasol EMBEDDED LED light fixtures illuminate your interior with artificial light with properties close to natural sunlight. Thanks to a balanced spectral composition (SPD) that positively influences the body's circadian rhythms through the non-image-forming (NIF) system of the eyes, you will get biologically optimised full-spectrum lighting that supports overall health, physical and mental vitality and cognitive functions (cognitive performance and endurance, concentration, attention, quick thinking, ability to comprehend information, remember them and recall them from memory) indoors during the day.

Moreover, Spectrasol light fixtures do not emit concentrated energy in the short-wavelength blue part of the light spectrum, the so-called harmful blue light, which increases the risk of macular degeneration. On the contrary, Spectrasol actually regenerates the eyes by emitting energy in the red, photobiomodulating area of the light spectrum, which acts as a compensating factor for harmful blue light with both preventive and therapeutic effect.

Terra lamps are made as a minimalist element suitable for most interiors with the possibility of changing the design of the space without any unnecessary lighting installation. All you have to do is move the lamp. The combination of the direct-indirect distribution of light and cutting edge full-spectrum technology make these lamps ideal for spaces with strict energy requirements. Spectrasol Terra in the switch dimm version allows you to not only adjust the light intensity but also change the ratio between the direct and indirect component. This makes it good even for rooms with dark ceilings.

Lighting parameters

| | |
|---------------------------|-----------------|
| Light distribution | direct+indirect |
| Optical system | microprism |
| CCT real ¹ | 4800 K |
| CCT specific ² | 5000 K |
| Luminous flux | 5800 lm |
| CRI | > 95 |
| UGR ³ | < 16 |
| Flicker | Flicker Free |
| Calculated LED lifetime | L80B20 50.000 h |

Electrical parameters

| | |
|------------------|-----------------------------------|
| Power supply | 220-240 V 50-60 Hz |
| Input power | 52W |
| Control options | ON/OFF, Switch dim, motion sensor |
| Connection | Power cord |
| Electrical class | 1 |

Mechanické parametry

| | |
|--------------------|-----------------------|
| Body material | Aluminum |
| Product dimensions | 615 x 325 x 1945 (mm) |
| Product color | white, silver, black |
| Protection class | IP20 |

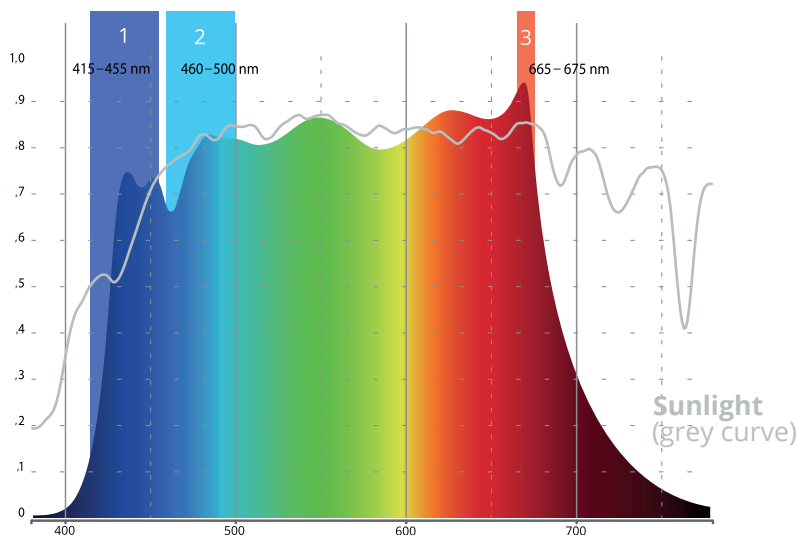
¹Real CCT in typical illuminated room

²Specific CCT of the light fixture (spherical integrator)

³Typical room

tolerance CCT +/- 200K

Visualisation of Spectrasol spectral composition and description of its key areas



HARMFUL BLUE LIGHT

Does not damage retina cells

1

Does not emit concentrated energy in the harmful blue light risk region (415 - 455 nm)

PROCOGNITIVE - CIRCADIAN MELANOPIC ENERGY

2

Supports the circadian system and the resulting cognitive performance, health & mood

Balanced in energy in cyan region (460 - 500 nm)

REGENERATIVE PHOTOBIO-MODULATION ENERGY

3

Regenerates damaged retinal cells

Peak emission in the photobiomodulation red (~ 670 nm)

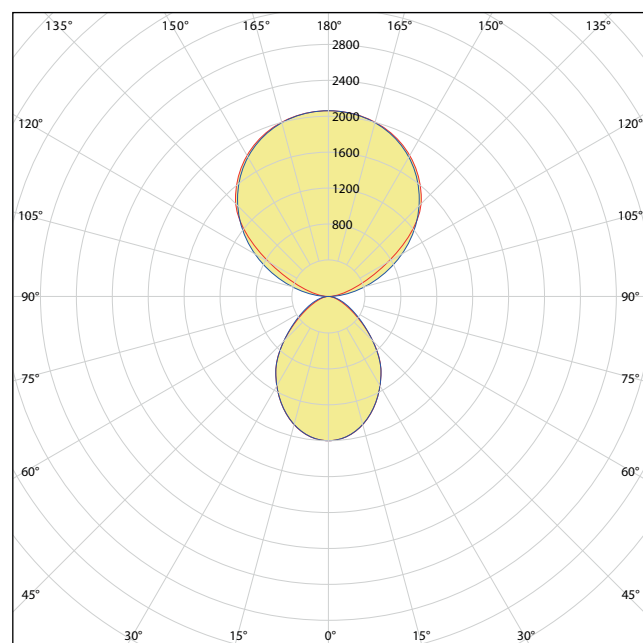




Spectrasol TERRA variants

| Order number | Variants |
|--------------|---------------------------------------|
| S07-02-001 | Spectrasol TERRA on/off |
| S07-02-002 | Spectrasol TERRA switch dimm |
| S07-02-003 | Spectrasol TERRA switch dimm + sensor |

Light distribution diagram



Spectrasol TERRA visuals

