

# SENSOSPHERE

INTERACTIVE  
HARMONIZING  
MOOD LIGHT



Imagine a futuristic globe of fascinating coloured light patterns that shimmer, sparkle, and dance in endless flowing effects of pleasant luminance with mood-enhancing therapeutic effects.

See fluid waves, flower-like patterns, that softly expand or contract in gently hypnotic pulses, creating very present room-filling ambiances.

This state-of-the-art Interactive Mood Light is designed to provide you with a sense of well being, revitalized.



## Expertly designed Mood Lighting

The SensoSphere is derived from the same technology used in the professional Sensora™ multisensorial therapy system. Clinical research results<sup>1</sup> show that the Sensora Light Modulation technology induces states related to meditation.

The SensoSphere offers a choice of four Mood Light modes: Relaxing, Balancing, Energizing & Monochrome. Each of these use combinations of colours, modulation frequencies and light rhythms specifically programmed to induce the desired mood.

Unlike cheaper commonly available mood lighting devices, the SensoSphere implements sophisticated light pattern generation algorithms with graceful, ever-changing variations: it can be watched for hours on end without any boring repetitions, always remaining surprising and engaging.

## Touch and Music Interactivity

Additionally, the SensoSphere features two types of interactivity: through Sound, and through Touch. Both modify the running Mood Light patterns in lively and unpredictable ways.

This is achieved by linking ambient sounds and your touch to various modulation parameters generating the light patterns, such as pulsation speed and depth, colour ranges, rotations and translations. Ambient sounds and touch inputs introduce variations that remain within the range of properties specific to each Mood Light mode. The result is a captivating synergy between the SensoSphere's environment and you.

What is also truly amazing is that you control the SensoSphere with easy motions of your hands around it.



## Pure, clean light

Most commercial LED mood lighting products use a single light source and are based on the cheaper Pulse Width Modulation (PWM) digital circuits, which emit harsh stroboscopic light pulses. While too fast to be visible to the naked eye, these constant and intense pulses contribute to environmental stresses and are not best suited to generate a harmonious atmosphere.

In order to create its complex light patterns the SensoSphere features 17 independent light sources, each with 3 primary colours (Red, Green and Blue LEDs). Thus a total of 51 individual channels all use unique high-precision analog LED drive circuitry, without any PWM.

The SensoSphere's advanced technology is designed to generate pure clean light conducive to the healthiest of mood lightings.

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The SensoSphere is made in Canada with high-quality materials and comes with a 1-year warranty.

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Consult the [www.sensora.com](http://www.sensora.com) website for further information, including a SensoSphere [video tutorial](#).



[www.sensora.com](http://www.sensora.com)

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#### Mood Light Mode #1: RELAXING

This mode centres on the “cool” colours, spanning the range of blue, turquoise and green. These colours are known to soothe and calm down. They tend to reduce the pulse rate, blood pressure and the respiration rate. Occasional glimpses of yellow-lime and magenta, which are more neutral colours, bring a livelier touch for overall balance. This setting glows in slow, flowing rhythms which invite peace and serenity. Fine light pulsations in the Alpha brainwaves range (8-12 Hz) enhance the peaceful and relaxing effect. The Relaxing mode is ideal when you feel stressed or tense, or when you want to calm restless thoughts or emotions.

#### Mood Light Mode #2: BALANCING

This mode displays all colours of the whole rainbow, providing a balanced “colour bath”. The rainbow is displayed in a variety of ways, going upwards, downwards and through all kinds of random sweeps within the full spectrum. Every colour shines in equal proportions, ensuring an overall harmonizing effect. Subtle light vibrations in the Theta brainwaves range (4-8 Hz, focusing on the Earth’s Schumann Resonance frequency of 7.83 Hz) intrigue and inspire creativity. The Balancing mode is beneficial at any time of the day, and is compatible with almost any mood. It can be used for general toning and harmonization, or simply to enjoy a beautiful feast of colours.

#### Mood Light Mode #3: ENERGIZING

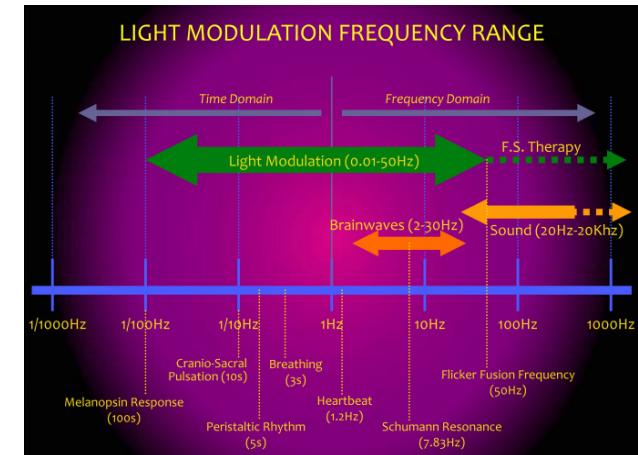
This mode is based on the “warm” colours ranging from red to orange to yellow, which are invigorating and mood cheering. They tend to increase the pulse and respiration rate, energizing you when you feel down or drained. Occasional touches of lime and magenta colours help to round up the effects of the light sequence. This setting uses slightly faster rhythms, which stimulate the nervous system and gently help to uplift and wake you up. It features modulations in the Beta brainwaves range (12-20 Hz). Select the Energizing mode whenever you feel you need an energy boost, either physical or cerebral. Try using it to stimulate your creativity and facilitate the mind’s activity.

#### Mood Light Mode #4: MONOCHROME

You can choose any hue from the rainbow by just sliding one hand along the SensoSphere’s equator. In this setting it displays a single static colour (the Light Modulation features are turned off), and thus it acts pleasantly as a simple, regular mood lighting lamp.

## Light Modulation

The SensoSphere’s active principle, based on Sensortech’s patented<sup>2</sup> light-control technology, is called Light Modulation. The system allows the embedding of soft light pulsations for specific interaction with our various physiological rhythms, such as brainwaves, breath and the heartbeat.



Light Modulation operates within a frequency range of 1/50 to 50Hz (cycles per second). Through careful calibration it generates delicate light pulsations that are inherently soft and non-invasive. Their subtle shimmering imbues the SensoSphere’s light with an intriguing, fascinating quality - a bio-entrainment process completely different from the interfering effects of hard PWM pulses found in common LED devices.

<sup>1</sup> A clinical study on the effects of coloured light projections based on Sensortech’s Light Modulation technology as used in the SensoSphere was published in 2013 by Dr. M.J. Ross, Dr. P. Guthrie (Midwestern State University, Texas, USA) and J.C. Dumont (Trinity Western University, BC, Canada) in Advances in Mind-Body Medicine Journal, Vo.27, No.4.

<sup>2</sup> U.S. Patent 8,579,795 “Light Modulation Device and System”.