



Lumina Neuro Cap

Operational & Instructional Manual

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LUNCA, LLC

Orlando, FL

Warranty Guarantee

Lunca, LLC warrants your Lumina Neuro Cap to be free of defects in material and workmanship under normal use from the date of purchase, parts and labor included as follows:

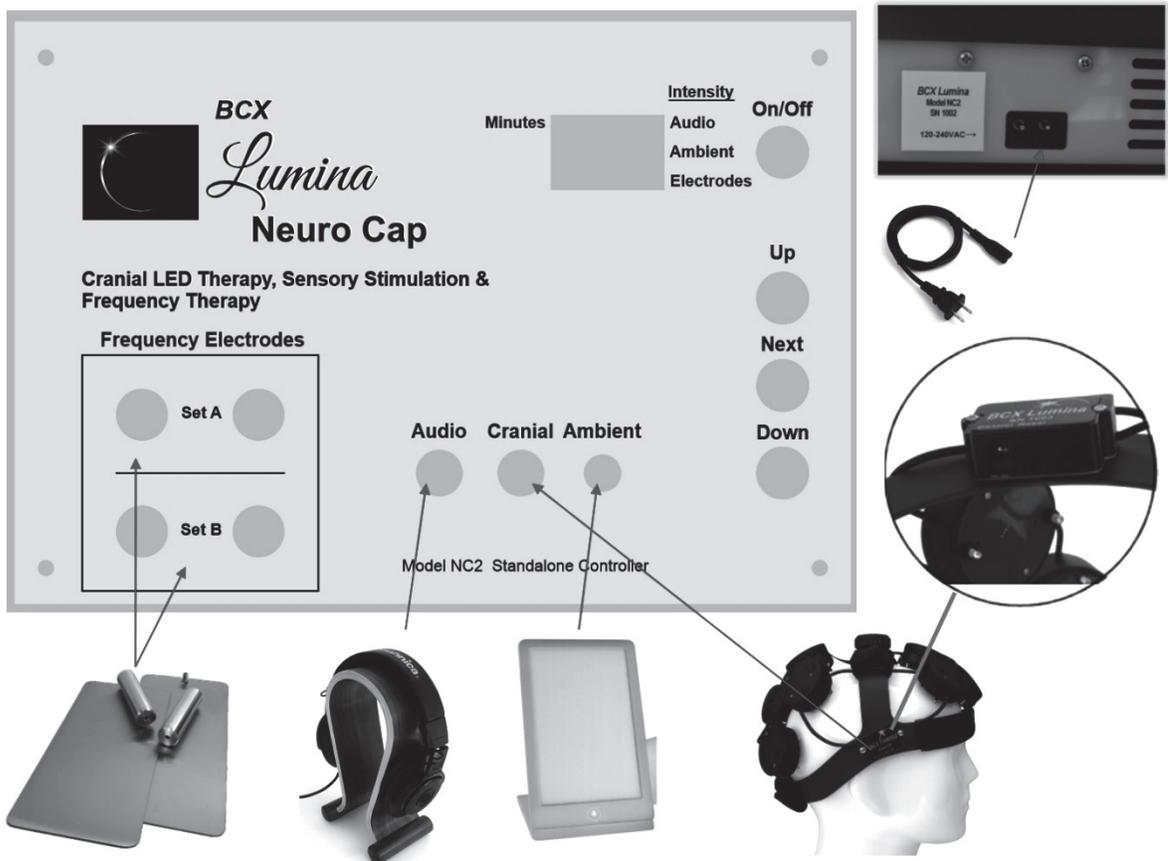
- * 2-year warranty on the Lumina Neuro Cap control box.
- * 1-year limited warranty on the Cranial Cap. The three cloth Comfort Bands on the Cranial Cap are non-refundable.
- * 30 Day warranty- Ambient Light Panel, and Headphones. Headphones are non-refundable.

CAUTION: Always plug the power cord into the back of the unit first, then plug into the wall outlet. Never remove the power cord from the unit while it is plugged into the wall outlet, even if it is turned off. As it may cause damage to the unit.

Customer will be responsible for all fees incurred when mailing the instrument to the engineer for repairs. Lunca, LLC will be responsible for domestic shipping fees (not international shipping, customs or duties) incurred when mailing the instrument back to the customer for the first two years while under warranty. Equipment must be returned in the same condition in which it was originally mailed out to receive refund. Any unauthorized repairs, modifications, using any accessories not designed for the Lumina device, or failure to use a surge protector are not covered under this warranty.

Lumina Neuro Cap

- Control Panel Diagram -



INTRODUCTION

1. Overview

The Lumina Neuro Cap (LNC) uses light, sound and frequencies to deliver three different therapies. It is the only instrument world-wide that combines the benefits of Light Therapy called PhotoBioModulation (PBM), all the advantages of Sensory Stimulation, and the healing potential of Frequency Therapy in one unit. No other unit offers as many features as the Lumina Neuro Cap.

2. What's Included

- Main control unit
- Power cord
- Cranial Cap
- Light Panel
- Headphones
- Electrodes
- Stand for the Cranial Cap

3. Safety Guidelines

- Use only as directed.
- Do not shine LEDs directly into the eyes.
- Keep device dry; avoid moisture exposure.
- Do not use while sleeping or driving.
- Consult a healthcare professional if pregnant, photosensitive, or managing a medical condition.
- Stop use if discomfort occurs.

6. Session Duration & Frequency

- Most sessions run **20–25 minutes**, depending on the therapy selected.
- Typical use: **3–6 times per week**, unless otherwise directed.
- Allow at least **6 hours** between sessions on the same area.

7. Cleaning & Care

- Wipe pods/light surfaces with a soft, dry cloth.
- Do not use alcohol or harsh cleaners on LEDs, or the comfort bands
- Store in a cool, dry place.
- Keep cables untangled and protected, & store on the provided hat stand

Lumina Neuro Accessories

- Set Up -

SETUP - Cranial Cap for *LED Light Therapy*:

1. Attach the Neuro Cap cord

Plug the cord into the small control port on the side of the Cranial Neuro Cap band labeled “**Control.**”

Connect the other end of that same cord to the front of the Lumina Control Box where it reads “**Cranial.**”

2. Power the system

Insert the power cord into the back of the control box at the **120–240 VAC** port, then plug it into a wall outlet.

Always use a surge protector to safeguard your equipment.

3. Choose your program

Follow the operating instructions below to start a session.

- Select **Program 1** for **memory stimulation**
- Select **Program 2** for **relaxation**

SETUP - Light Panel, Headphones, and Electrodes for Sensory Stimulation

1. Connect the Light Panel

Plug the Light Panel cord into the front of the control box where it is labeled “**Ambient.**” **You do not need to look directly at the Ambient Light Panel, as long as the eyes and the brain perceive the flickering you are getting all the maximum benefits from Sensory Stimulation Therapy.**

2. **Connect the Headphones**

Insert the headphone cord into the front port labeled “**Audio.**”

3. **Connect the Hand Cylinders (Electrodes – Set A)**

Attach the cords to the **brass hand cylinders**, then plug the other ends into the front of the control box at “**Electrodes – Set A.**”

4. **Connect the Footplates (Electrodes – Set B)**

Attach the cords to the **stainless-steel footplates**, then plug the other ends into the front of the control box at “**Electrodes – Set B.**”

5. **Power the System**

Insert the power cord into the back of the control box at the **120–240 VAC** port, then plug it into a wall outlet.

Always use a surge protector to protect your equipment.

6. **Select Your Program**

Follow the operating instructions below and always choose **Program 1** for your sensory stimulation session.

*The Lumina NC can run the Neuro Cap, the Ambient Light Panel, the Headphones, or the electrodes individually. However, the Lumina Neuro Cap and the headphones cannot be used simultaneously. They support two different therapies with distinct session durations.

SETUP - Cranial Cap and Electrodes for Frequency Therapy:

1. **Attach the Neuro Cap cord**

Plug the cord into the small control port on the side of the Cranial Neuro Cap band labeled “**Control.**”

Connect the other end of that same cord to the front of the Lumina Control Box where it reads “**Cranial.**”

2. **Connect the Hand Cylinders (Electrodes – Set A)**

Attach the cords to the **brass hand cylinders**, then plug the other ends into the front of the control box at “**Electrodes – Set A.**”

3. **Connect the Footplates (Electrodes – Set B)**

Attach the cords to the **stainless-steel footplates**, then plug the other ends into the front of the control box at **“Electrodes – Set B.”**

4. **Power the system**

Insert the power cord into the back of the control box at the **120–240 VAC** port, then plug it into a wall outlet.

Always use a surge protector to safeguard your equipment.

5. **Choose your program**

Follow the operating instructions below to start a session.

Select a Program from the bank of Stored Programs on **page 23**

Lumina Neuro Accessories

- Operating Instructions -

* Audio Output Availability is available on Program 1 (40Hz) and on all single frequencies from 40 Hz - 99 Hz. **Audio Output is active when the indicator light points to Audio**, then you will have the option to adjust the **Audio Intensity**.

Running a Program:

First, see the Program Chart on **page 18** to choose the program that matches your desired application (1-99), or select a single frequency (1-99).

1. Press the button Power On/Off

You will see Pr. (an abbreviation for Program) on the display. The unit can run a Program (Sequence of Frequencies) or a Single Fixed Frequency. **Press the buttons Up or Down** to select **Pr.** (for Program) or **Fr.** (for Frequency). When you have made your selection, and it is displayed on the screen,

2. Press the button Next

You will see “8” on the display, or the number of the program/frequency that was ran last

3. Press the buttons Up or Down to scroll through the available options. The choices are 1–99 Pre-Stored Programs, or 1-99 single frequencies. When the program number/frequency you want to run is displayed on the screen,

4. Press Next

You will see green Display Bar point to Audio (if it does not point to audio, your selection does not have audio-the Display bar is pointing to Ambient- skip to step 8 below)

5. **Press Next**

You will see “8” on the display, or the audio intensity level that was ran last

6. **Press Up or Down** to adjust level of audio intensity. Start out at 3 or 4 to keep it comfortable. Choices are 1-16. When audio intensity level is displayed on the screen,

7. **Press Next**

You will see the green Display Bar point to Ambient (this is for the Light Panel)

8. **Press Next**

You will see “5” on the display, or the intensity level that was ran last

9. **Press Up or Down** to adjust the level of intensity for the Light Panel. The choices are 1-16. Start out at 3 or 4 to keep it comfortable. You do not need to stare directly at the light panel nor have it close to the face. What is important is for the eyes to *easily* perceive the flickering. When the Light Panel intensity level you want is displayed on the screen...

10. **Press Next**

You will see the green Display Bar point to Electrodes

11. **Press Next**

You will see “5” on the display, or the intensity level that was ran last

12. **Press the buttons Up or Down to** adjust the level of intensity for the electrodes (electrodes are the brass cylinders and the stainless foot plates). The choices are 1-16. Start out at 3 or 4 to keep it comfortable. When the electrode intensity level you want is displayed on the screen...

13. **Press Next**

You will see the green Display Bar point to Minutes

14. **Press Next**

You will see “5” on the display, or the number of minutes that were ran last

15. **Press the buttons Up or Down** to select the number of minutes to run for *each* frequency within the program selected, or for the single frequency. The choices are 1-60. When the Run Time you want is displayed on the screen...

16. **Press Next**

If you selected Pr. for PROGRAM- the screen will show:

- **“SE.”** — abbreviation for **Sequence**
- **“1”** — indicating the **first frequency** in the program you selected
- **“ON”** — confirming the program is actively running. When the first frequency finishes, the display will update to:
 - **“SE.”**
 - **“2”** — indicating the **second frequency** in your selected program
 - **“ON”**

This pattern continues as the system moves through each frequency within the program.

If you selected Fr. for Frequency the screen will show:

- **“FR.”** — abbreviation for **Frequency**
- The **actual frequency value** (in Hertz)
- **“ON”** — confirming the frequency is actively running

Unit will shut off automatically after the program/frequency is completed

Making Adjustments while a Program is Running:

You can change the intensity of any accessory **at any time while a program is running** by pressing the **Next** button. Each press moves the green display bar to the next accessory.

1. Audio Intensity

- The green display bar first points to **Audio** (audio only available on program 1 and single frequencies 40 Hz- 99 Hz)
- Press **Next** to display the current **Audio Intensity** level.
- Use the **Up** or **Down** buttons to adjust to the desired intensity.
- Press **Next** to continue.

2. Ambient (Light Panel) Intensity

- The green display bar then points to **Ambient**.
- Press **Next** to show the **Ambient Intensity** level.
- Adjust using the **Up** or **Down** buttons.
- Press **Next** to continue.

3. Electrode Intensity

- The green display bar next points to **Electrodes**.
- Press **Next** to display the **Electrode Intensity** level.
- Adjust using the **Up** or **Down** buttons.
- Press **Next** again, and the display will return to **“ON”**, indicating the program is actively running.

ABOUT BRAIN DISORDERS & LIGHT THERAPY

Alzheimer's

All brain activity, which allows us to think, remember and reason, requires three critical elements- robust "Energy Producing Centers" in the cell called mitochondria, strong brain waves, and a healthy defense system. In an Alzheimer's patient, the "Energy Producing Centers" in the cell have become dysfunctional, the brain waves are weak and slow, and the defense system of the brain has been invaded by harmful microorganisms. Let's look closely at each Lumina Neuro Cap one to understand how they play an important role in the development of Alzheimer's.

What is happening in the Cell

Nerve cells in the brain, called neurons, have a far higher energy demand than any other cell type and their survival is totally dependent on the fuel created within the cells by the "energy centers" called mitochondria. In a healthy brain, the mitochondria function properly, providing sufficient energy for the body and brain to operate efficiently. In Alzheimer's patients, the mitochondria are compromised and can't produce the needed energy to keep the brain's neurons alive. As a result, the brain is unable to clean house, neurons die off, the brain shrinks, mental cognition declines, chronic inflammation sets in with an accumulation of damaged cells, even cancer cells. Millions of people are affected by mitochondrial dysfunction.

What is happening Electrically

Brain activity is characterized by rhythmic *electrical pulses* called brain waves. They can be thought of as waves of the ocean. There are several different types and each one varies in speed. The fastest brain waves are called gamma waves. The healthy brain naturally generates strong, fast gamma waves, critical for memory, perception and cognition. However, in Alzheimer's

patients, gamma waves have become weaker and slower, the brain accumulates toxic tau protein and sticky plaque leading to the death of neurons and the loss of memory.

What is Happening to the Brain's Defense System

In times past, it was always thought that the brain was a sterile environment. Neuroscientists have been surprised to discover that the human brain is teeming with microbes, and are beginning to discover that they play a role in neurodegenerative disorders like Alzheimer's. Studies have found harmful bacterial and fungal genetic material in brain tissues, particularly in those with Alzheimer's and other neurodegenerative diseases. These harmful microbes invade the brain, colonize, and create a hostile environment. A compromised defense system of the brain appears to be linked to various neurological diseases, offering potential new treatment avenues.

Treatment Options

Standard medical care offers only *one* treatment, pharmaceutical drugs. These drugs come with serious side effects and fail to even stabilize the steady decline in cognitive function.

As an alternative, what if there are profoundly *effective*, non-invasive, non-toxic therapies that can positively impact the cellular and electrical components of the brain, and potentially reduce the harmful bacterial/viral/fungal load? What if they had the potential to halt the disease progression and even reverse it? A growing evidence base, with many thousands of research studies and on-going clinical trials from medical labs around the world, support the idea that these therapies offer promising treatments that could help people restore normal brain function. Let's closely examine each therapy.

What Is Light Therapy?

Light Therapy, called Photobiomodulation, utilizes light to revive, repair and restore brain tissue that has been compromised by injury or degeneration. LED lights of specific wavelengths and power density penetrate tissues and bone up to a depth of approximately two inches. The light is absorbed within the cell and boosts the power of the mitochondria to create new brain cells, protect developing brain cells responsible for memory, increase cerebral blood flow,

provide greater oxygen availability and consumption, reduce toxicity, heal and regenerate damaged brain cells, improve brain signaling and repair connectivity between neurons. It can also enhance performance in normal tissues and cells as well, without any toxic side effects.

You may be asking yourself, why haven't I ever heard of Light Therapy? If it really works, why isn't everyone using it? Is it really safe and effective? How long has it been around? Good questions! Although the use of light for therapeutic applications dates back to ancient times, LED technology has only been around since the 1960's, and their use in Light Therapy was first discovered in 1967. A little later, in the 1990's, LED technology received some upgrades and became more efficient and cheaper to produce. But it took a while for them to catch on. Interestingly, as recently as ten years ago, the general consensus was that Light Therapy was "snake oil" and only practiced by charlatans. Today, Light Therapy is acclaimed as being able to produce "profound" results for brain health and restoration by well-respected medical researchers and physicians around the globe. The use of LEDs in Light Therapy or Photobiomodulation has made, and is continuing to make, major progress in obtaining recognition from authorities in medical schools, scholarly journals, the popular press and media, medical practitioners, therapists and other bodies concerned with biomedical science.

What is the Therapy Sensory Stimulation?

The therapy Sensory Stimulation, called GENUS, utilizes light *and* sound to strengthen brain waves by stimulating the senses of vision, hearing and touch. Exposing the eyes to flickering light at a specific frequency entrains brain waves to become stronger and faster, and has widespread effects at the cellular level as well, provides a significant level of prevention against neuron degeneration, and reduces the protein amyloid-beta and the plaque tau tangles by more than 40%, which are hallmarks of Alzheimer's disease.

Applied to the ears, it produces a greater reduction of the amyloid-beta and tau tangles, has other far-reaching effects extending to key parts of the brain where both the creation of memories and reasoning/planning take place, and produces greater brain synchrony.

Stimulating the sense of touch *along* with eye *and* ear stimuli, produces additional, dramatic effects. It preserves the neurons in the areas of the brain where tactile sensations are processed, and where movement commands for

the body are produced to increase motor abilities. Furthermore, it significantly reduces the tau tangles by 200% in both regions of the brain.

Once again, you may be asking yourself, why haven't I ever heard of Sensory Stimulation? If it really works, why isn't everyone using it? Is it really safe and effective? How long has it been around? Sensory Therapy is a more recent discovery dating back only ten years. At its inception, brain waves were successfully and significantly enhanced through flickering light applied to the eyes. Recently, greater results benefiting more regions of the brain were discovered by also stimulating the sense of hearing, and touch. Sensory Stimulation is another remarkable discovery that is safe, effective, recognized and studied world-wide, and offers an impressive array of benefits for the brain. Now, Sensory Stimulation is being studied as a possible therapy for MS patients as well, since it protects the myelin sheath. Currently, there are many more on-going research studies using Sensory Stimulation.

What is Frequency Therapy?

Frequency Therapy uses sophisticated equipment that emits radio frequencies that can disrupt the vibrational states of pathogens and assist the body in destroying and eliminating harmful microorganisms without affecting healthy cells. With bacteria, fungal and other possible viruses seen in the brain of Alzheimer's patients, Frequency Therapy could be an invaluable additional modality to help the body clear out harmful organisms, even organisms that are in the brain. It is based on the life work of Royal Rife with a remarkable history dating back more than 100 years.

Observable Benefits of Light Therapy & Sensory Stimulation

- Improved Attention, Concentration, and Judgement
- Enhanced Self-Control and Problem-Solving Skills
- Improved Visual and Verbal Memory
- Reduced Aggression
- Increased Relaxation and Restful Sleep
- Reduced Inflammation
- Increase in Cognitive Function and Memory
- Reduction of Amyloid-Beta and Tau Tangles by more than 40%
- Increased Reductions in Tau Proteins by 200% in Two Brain Regions
- Decrease in Brain Pathology
- Increase in Motor Abilities/Performance Tasks

Dr. Hamblin, the world’s leading authority on PhotoBioModulation at Harvard Medical School, states that Light Therapy can help almost *any* brain disorder including:

<u>Traumatic Brain Injury</u>	<u>Psychiatric Diseases</u>	<u>Neuro Degenerative</u>	<u>Neuro Development</u>
Stroke	Depression/Anxiety	Alzheimer’s	Autism
Heart Attack	PTSD	Parkinson’s	ADHD
Birth Trauma	Addictions	ALS	
Coma	Insomnia	Dementia	

Why the Lumina Neuro Cap?

The Lumina Neuro Cap is the only instrument world-wide that combines the benefits of Light Therapy, all the advantages of Sensory Stimulation, and the healing potential of Frequency Therapy in one unit. No other unit offers as many features as the Lumina Neuro Cap. Manufactured and serviced in the USA.

Light Therapy Features

- 810 nm
- Pulsed 40 Hz - Gamma
- Pulsed 10 Hz- Alpha
- 92 mw/cm² Max output
- Many more LED’s than the Leading Competitors
- LEDs designed for optimal scalp contact to prevent light impedance *Hair can block up to 98% of the light
- Adjustable
- Comfortable
- Modular

Sensory Stimulation Features

- 40 Hz Ambient Light - Eyes
- 40 Hz Sound- Ears
- 40 Hz Tactile- Touch
- Only device worldwide with Sensory Stimulation for eyes, ears & touch

*Light Therapy/Sound Stimulation Contra-Indicated: Pregnancy, Epilepsy, Seizures, Infections, Cancer, light sensitivity

Frequency Therapy Features

- 99 Built in Programs
- Programs targeted to help eliminate viruses, bacteria, fungus in the brain
- Built in Carrier wave to help drive frequencies deep into the body
- Delivery of frequencies through Cranial LEDs and/or Electrodes

Lumina Neuro Cap

Overview of Accessories

Light Therapy	Sensory Stimulation Therapy
<p>Accessories: Cranial LED Cap</p> <p>Programs: *Programs 1 & 2, **3-7 *Pulsing LEDs at 10Hz, and 40 Hz as in programs 1 and 2 gave the most dramatic benefits in medical research studies. Newer research is showing the lower Hz, as in programs 3-7 offers some benefits as well, current research is on-going.</p>	<p>Accessories: Light Panel, Headphones, Electrodes</p> <p>Program: 1 *Pulsing 40 Hz through a Light Panel, Headphones and Electrodes, simultaneously, produces significantly better results than using the accessories independently. * The addition of 40 Hz tactile stimulation (through the electrodes), benefits motor abilities, which has not been shown with the other modalities.</p>

Frequency Therapy
<p>Accessories: Cranial Cap, & Electrodes</p> <p>Programs: 8-99 * Helps the body to remove harmful microbes. Some of the infections linked to Alzheimer's include herpes, pneumonia, syphilis, Lyme disease and gum disease. There has also been links between Alzheimer's disease and other infections that cause a long-term activation of the immune system.</p>

Programs

Light Therapy & Sensory Stimulation Programs

1--40Hz. (Increases Concentration, Memory, Self-Control, etc.)

Light Therapy Program

2--10Hz. (Reduces Anxiety, Promotes Restful Sleep, Reduces Aggression, etc.)

Light Therapy Brain Wave Entrainment Programs (listed in Hertz)

3--DELTA 1, 2, 3, 4

4--THETA 4, 5, 6, 7, 8

5--ALPHA 8, 9, 10, 11, 12

6--BETA 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30

7-- GAMMA 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42

Frequency Therapy Programs (*carrier wave for all the following programs)

8--Acremonium, Cephalosporium 481, 544, 3966

9-- Actinomyces 526

10-- Adenovirus 624, 739, 843

11-- ADHD 40, 317, 673, 783, 852, 930, 1422, 2630

12-- ALS 40, 254, 345, 467, 600, 625, 650, 766, 776

13-- Alopecia 60, 146, 465, 727, 800

14-- Alzheimer's 40, 430, 620, 624, 855, 857

15-- Angiostrongyliasis 680, 900, 2500, 4600

16-- Anxiety / Depression 40, 3, 6, 7.83, 10, 304, 423, 528, 1000, 3065

17-- Aspergillus flavus 364

18--Aspergillus fumigatus 248

- 19--** Aspergillus versicolor 488 Hz
- 20--** Astrovirus 586, 843
- 21--** Autism 40, 427, 428, 620, 783, 827, 846, 852, 930, 3212
- 22--** Babesia microti 646
- 23--** Bacillus cereus 576, 641
- 24--** Bacteroides fragilis 467, 565
- 25--** Baylisascaris (roundworm in eyes) 763
- 26--** Bartonella henselae 878
- 27--** Benign Tumor 688
- 28--** Biofilm 477
- 29--** Blastomyces dermatitidis 1233
- 30--** Borrelia afzelii 796
- 31--** Borrelia burgdorferi, LYME, babesia, bartonella 587, 646, 878
- 32--** Brain cell tissue repair 40, 2128
- 33--** Brugia malayi 334
- 34--** Candida albicans 365, 374, 383, 556, 574, 673, 776
- 35--** Candida auris, cause of CNS infection 888, 563
- 36--** Candida parapsilosis 634
- 37--** Candida tropicalis 456
- 38--** Candida glabrata 595
- 39--** Candida krusei 698
- 40--** Candida pelliculosa 654
- 41--** Candida robusta 468

- 42--** *Candida rugosa* 588
- 43--** CAV SAV MAV 3133
- 44--** *Chlamydia trachomatis* 553
- 45--** *Chlamydophila (Chlamydia pneumoniae)* 875
- 46--** *Chlamydophila psittaci* 726
- 45--** Chikungunya virus 663
- 48--** *Citrobacter braakii* 763
- 49--** *Citrobacter freundii* 446
- 49--** *Citrobacter freundii* 446
- 50--** *Cladosporium* 233, 438, 510, 776
- 51--** *Clostridium difficile* 564, 678
- 52--** *Clostridium paraputrificum* 444
- 53--** CMV 344, 367, 466
- 54--** *Coccidioides Immitis* - Valley Fever 533, 754
- 55--** Dementia 40, 430, 620, 624, 635, 645, 783, 855, 857, 930, 1000
- 56--** EBV 545
- 57--** *E. coli* 444, 445, 468, 562, 664, 667, 675, 745, 764
- 58--** Echinococcosis 164, 453, 542, 623, 5523
- 59--** Filariasis 112, 120
- 60--** *Geotrichum candidum* 564
- 61--** *Giardia* 835
- 62--** HBV 687
- 63--** HERV-W 868

- 64--**H. pylori 564
- 65--**HSE, HSV 467, 556, 853
- 67--**Lyme 432, 587, 589, 597, 612, 690, 864, 2016, 3423, 787, 880
- 68--**Malaria, cerebral 4, 20, 28, 222, 455, 550, 713, 743, 880, 930, 1032, 1433, 1444, 1445
- 69--**Microsporium audouinii 675
- 70--**MRSA 424, 466, 478, 644, 660, 674, 727, 786, 787, 802, 943, 944, 1000, 1089, 1109, 3333
- 71--**Mycobacterium avium 455, 435
- 72--**Mycobacterium paratuberculosis MAP 686
- 73--**Mycoplasma fermentans 364
- 74--**Mycoplasma hominis 876
- 75--**Mycoplasma hyorhinitis 689
- 76--**Mycoplasma pneumoniae 365
- 77--**Naegleria fowleri 650
- 78--**Nerve regeneration 2, 13.5, 15, 18, 20, 40, 47, 59.3, 96
- 79--**Neurocysticercosis 30, 200, 700, 3750
- 80--**Parasites brain 20, 120, 125, 440, 444, 465, 660, 690, 727, 787, 880, 1865
- 81--**Paragonimiasis 1108, 1120.4
- 82--**Parkinson's 1.1, 33, 40, 600, 693, 813, 5000
- 83--**Prions 556, 656, 956, 957, 958, 959, 960
- 84--**PTSD 40, 6, 10, 304, 432, 528, 665, 2008
- 85--**Psoriasis 104, 330, 786, 1552, 2008, 5000
- 86--**Schistosomiasis 421, 434

- 87**--Schumann resonance, relaxing 7.83
- 88**--Seborrheic Dermatitis, Hair loss, Malassezia, also run Staph aureus & epidermidis 222, 225, 491, 616, 700
- 89**--Staphylococcus aureus 345, 356, 366, 375, 455, 456, 466, 467, 468, 566, 576, 644, 668, 687, 727, 732, 737, 757, 767, 786.5, 788, 878, 946
- 90**--Staphylococcus epidermidis 455, 475, 488, 586, 575, 657, 1232
- 91**--Streptococcus agalactiae 455, 456, 476, 543, 556, 843
- 92**--Streptococcus pneumoniae 845, 886
- 93**--Streptococcus pyogenes 565, 838, 886
- 94**--Streptothrix, Nocardia 228, 231, 237, 526, 694, 710, 784, 887
- 95**--Stroke recovery 3, 20, 72, 95, 125, 230, 250, 444, 600, 625, 660, 690, 727, 787, 880
- 96**--Toxoplasma Gondii, Toxoplasmosis 434, 727, 852
- 97**--Trichinella, Trichinosis 101, 541, 822, 835, 1054, 1372
- 98**--Trichophyton 464, 474, 634, 673, 906
- 99**--Trypanosomiasis, African 656, 780, 988

TIPS

More Ways to Power Your Brain

Lifestyle Choices

- Get adequate, quality sleep every night, going to bed at least by 10pm
- Include weight training & walking
- Avoid smoking and drinking
- Challenge your mind daily by learning new things
- Limit time spent on cell phone and TV, turn them off at least 1 hour before bed to protect your melatonin, needed for restful sleep
- Avoid aluminum and mercury sources from antiperspirants, non-stick cook-ware, and aluminum cans. Beware: Vaccine adjuvants and flu-vaccines contain both mercury and aluminum
- Drugs that have been shown to increase risk of dementia include nighttime pain relievers, antihistamines, sleep aids, certain antidepressants, and statin drugs.
- Beware: circulatory challenges that can lead to Alzheimer's are diabetes, atherosclerosis, high blood pressure, and lack of exercise, all of which can be addressed and managed to help prevent or at least substantially slow down mental decline.

General Dietary Choices

- Avoid conventionally grown foods, instead, choose organic produce and meat as non-organic foods are heavily contaminated with glyphosate, an herbicide linked to Alzheimer's development.
- Avoid high fructose corn syrup, artificial colors, artificial flavors, and GMO's (Genetically Modified Organisms)
- Eliminate all consumption of seed oils (sunflower, safflower, soy, etc.)
- Choose healthy fats that your brain needs for optimal function, coconut oil, butter and ghee, (beware: most olive oils have been adulterated with vegetable seed oils)
- Avoid gluten, casein, and processed foods, as there is a connection between gut health and brain health.

Specific Dietary Choices & Supplements

- Eat Vitamin B-12 rich foods- dairy, eggs, grass fed meat
- Get simple blood test “Serum Ferritin” to keep your iron level below 100ng/ml, and ideally at 35-45 ng/ml by donating blood 2-4x/year. Excess iron triggers damage that accelerates Alzheimer’s.
- Eat vitamin K2 rich fermented foods, paired with healthy fat for absorption, combine with vitamin D3, magnesium, and leafy greens to get vitamin A.
- Take niacinamide (aka nicotinamide) to prevent neurodegeneration, kidney disease, heart failure and reverse leaky gut. Dr. Mercola recommends 50mg/3x a day. CAUTION- most supplemental brands only offer a dose of 500mg per tablet which is too high.
- Take a quality B-Complex which is crucial for mitochondrial function

Troubleshooting

Issue	Possible Cause	Solution
Device won't turn on	Loose Power Supply/Power Cord connection	Reinsert firmly
LEDs not lighting	Loose applicator connection	Reinsert firmly
Session stops early	Auto-safety shutoff	Restart; check placement
Discomfort	Incorrect placement	Reposition or stop use

Warranty & Support & Policies

For support, replacement parts, or warranty service, contact your distributor

Warranty coverage: 2-year warranty on the Lumina Neuro Cap control box, guaranteed to be free of defects in materials and workmanship, under normal use.

1 yr limited coverage on the cranial cap, free of defects in material and workmanship on the Cranial Cap. The three cloth Comfort Bands on the Cranial Cap are non-refundable.

30 Day warranty- Ambient Light Panel, and Headphones. Headphones are non-refundable.

Return Policy: 60 Money back guarantee, less 10% restock fee and unreturnable items as listed above, if not completely satisfied.

Research Studies- Links and QR Codes

Light Therapy (PhotoBioModulation)	
	https://pmc.ncbi.nlm.nih.gov/articles/PMC11591719/
	https://mghpsychnews.org/photobiomodulation-neuromodulation-approaches-like-transcranial-photobiomodulation-are-emerging-as-critical-areas-of-study-potentially-revolutionizing-the-care-for-patients-with-treatment-resistant-psyc/
	https://www.youtube.com/watch?v=eN_K3UfmGlo
	https://ui.adsabs.harvard.edu/abs/2017JOpt...19a3003H/abstract

Sensory Stimulation Therapy	
	https://news.mit.edu/2023/40-hz-vibrations-reduce-alzheimers-pathology-symptoms-mouse-models-0605
	https://pmc.ncbi.nlm.nih.gov/articles/PMC11952037/
	https://news.mit.edu/2025/evidence-40hz-gamma-stimulation-promotes-brain-health-expanding-0314
	https://neurosciencenews.com/alzheimers-tactile-stimulation-233282/

Frequency Therapy

	https://www.alzheimers.org.uk/about-dementia/managing-the-risk-of-dementia/possible-risks-of-dementia/infections
	https://pmc.ncbi.nlm.nih.gov/articles/PMC11585897/
	https://www.science.org/content/article/can-infections-cause-alzheimer-s-small-community-researchers-determined-find-out
	https://academic.oup.com/jid/article/230/Supplement_2/S87/7754703