



NeuGlow 护智光

Q & A 问与答

Illuminate Wisdom · 点亮智慧之光

This intelligent brain-protecting light device is a collaboration between MIT research and Delta Electronics. Combining 40Hz Gamma light waves with patented M+ hidden flash technology, it gently stimulates the brain under comfortable light conditions, helping to clear metabolic waste, improve focus and memory, stabilize mood, and improve sleep.





Q1: What is NeuGlow Protection?

NeuGlow is a non-invasive brain health device that uses 40Hz neural rhythm light technology and Delta's patented M+ hidden flash technology. Through precise 40Hz light frequency stimulation of brain neurons to oscillate synchronously, it helps activate brain nerves, stabilize brain wave rhythms, and support memory, concentration, mood, and sleep quality.

Q2: Why 40Hz?

40Hz is a "key brainwave frequency" verified by neuroscientists.

Professor Li-Hui Tsai of MIT found in her research:

40Hz light frequency can synchronously induce Gamma waves in the brain, which are closely related to learning ability, memory, concentration, and emotional stability.

Studies have also shown that 40Hz light stimulation helps:

- Reduce the accumulation of abnormal proteins in the brain (such as β -amyloid and Tau protein).
- Improve sleep rhythm and relax the nervous system
- Support cognitive function and emotional balance

Therefore, 40Hz light is considered a cutting-edge technology for promoting brain health and preventing cognitive decline.





Q3: What is the difference between NeuGlow and a regular 40Hz light?

Many 40Hz lights on the market emit the same frequency, but they produce obvious flickering, which can cause eye strain, headaches, and eye fatigue. Furthermore, flickering lights should not be used by people with light sensitivity (such as those with epilepsy). NeuGlow's utilizes Delta's patented M+ Gamma light wave technology, making the light appear soft and stable to the naked eye while maintaining a precise 40Hz signal at the brain's neural level. The flicker is invisible to the naked eye, yet it provides continuous brain health benefits. This flicker-free design makes NeuGlow a comfortable, safe, and long-lasting brain-protecting solution.

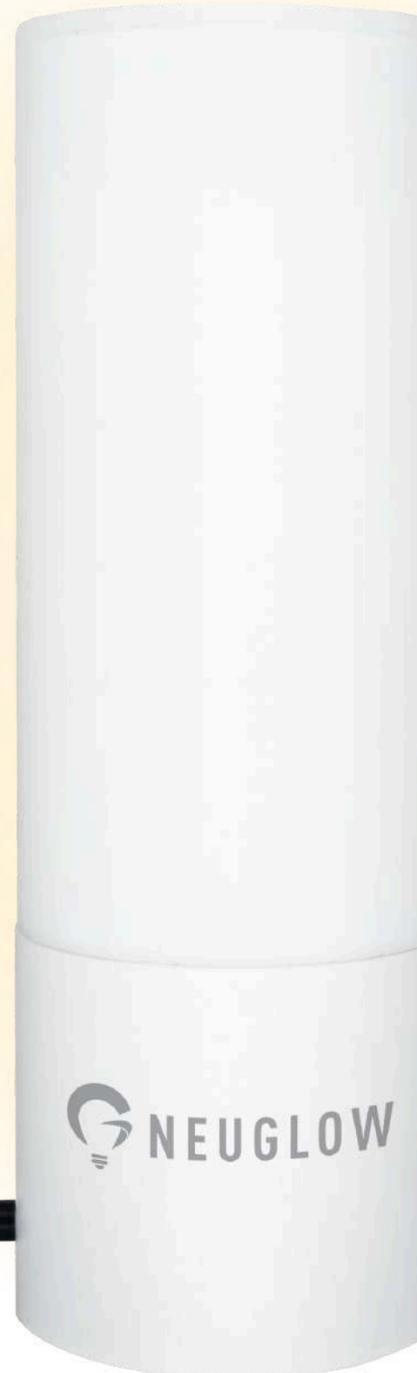
Q4: What are the brightness, color temperature, and power of NeuGlow?

- Brightness: 150 lumens (soft and eye-friendly)
- Color temperature: 4000K (natural white light, closest to morning sunlight)
- Power consumption: only 1.5W (low energy consumption, long-term operation)

These lighting parameters have been researched and calibrated to ensure sufficient stimulation of the nerves without causing visual strain.

Q5: Do I need to open my eyes when using NeuGlow?

Yes. NeuGlow's vision-protecting light transmits light signals to the brain through the visual system. Closing your eyes or wearing a light-blocking mask will block the stimulation pathway.





Q6: How can I ensure that NeuGlow's is 40Hz?

Before each NeuGlow is officially shipped, it must be tested by QC specialists using professional optical instruments to confirm that the frequency is accurately 40Hz before it can be packaged and shipped.

Q7: What is Delta's M+ patented Gamma optical wave technology?

Delta launched the "M+ Brain-care Lamp" technology in 2022. The scientific basis behind this technology comes from light or sound stimulation at 40 Hz. A research team at MIT found that stimulation at a frequency of 40 Hz (especially in the Gamma band) helps reduce the accumulation of β -amyloid- β and Tau proteins in the brain, which are important pathological markers of cognitive degeneration diseases such as Alzheimer's.

Q8: How long is the lifespan of NeuGlow?

NeuGlow uses high-quality LED light sources that can be used continuously for many years without replacement.

Q9: Will NeuGlow damage my eyes?

No. NEUGLOW's light is soft and flicker-free, and has been verified by light safety standards to not cause eye strain or dizziness.





Q10: What's special about the "refracted light" used in NeuGlow? How is it different from ordinary light sources?

A typical light source is direct light, which shines directly into the eyes or onto objects. This light is concentrated, glaring, and can easily cause eye strain.

NeuGlow's intelligent light protection system utilizes a "Refracted Light" design.

The light is refracted and diffused through multiple layers of light guides, making the output light soft, uniform, and glare-free, while still retaining a precise 40Hz neural rhythm.

Q11: Does viewing distance affect the viewing experience?

Yes. The farther the distance, the weaker the light stimulus signal. Recommended usage time is as follows:

- Close range (within 1 meter): Approximately 1 hour
- Medium distance (within 2 meters): Approximately 1.5 hours
- Longer distances (more than 2 meters): 2–3 hours

It is recommended to use it regularly every day to help the brain maintain a healthy rhythm.

Q12: How long will it take to see changes/improvements after using it?

It is recommended to use it continuously for 1–2 weeks. You will usually feel more focused, clearer thinking, and improved sleep quality. Long-term use can help the brain maintain a healthy circadian rhythm.





Q13: Does NeuGlow have a built-in battery?

No. NeuGlow uses a Type-C, battery-free design and can be powered by a mobile phone charger, power bank, or computer USB. Advantages include:

- Boarding is safe
- No risk of battery aging
- Longer lifespan
- Easy to use and plug and play

Q14: Who may not see results from Neuglow?

Blind people and people with severe eye diseases.

Q15: Does NeuGlow cause any side effects or dependency?

No. NeuGlow is a non-invasive, neuro-rhythmic light therapy technology incorporating Delta's patented M+ Hidden Flash technology. It is a natural light therapy with no radiation and no drug dependence. There will be no "rebound" effect or discomfort after discontinuing use.

Q16: Is NeuGlow suitable for people with Parkinson's disease or cognitive impairment?

40Hz light waves can help enhance the efficiency of neural communication in the brain and improve the stability of tremor frequency. Although not a therapeutic tool, it has potential support value as an aid to cognitive rehabilitation and relaxation for people with Parkinson's disease or mild cognitive impairment.





Q17: Who is suitable to use NeuGlow Protection?

- Students and office workers: Improve concentration, memory, learning, and work efficiency.
- For seniors: Slows down cognitive and memory decline and supports brain health.
- For those who stay up late or suffer from insomnia: Improve sleep and mental state.
- For those suffering from anxiety, depression, or emotional instability: Relax your nerves and balance your emotions.
- Special populations, such as children with autism, Parkinson's disease, Alzheimer's disease, and attention deficit hyperactivity disorder (ADHD), can benefit from non-pharmacological supportive measures.

Q18: How does NeuGlow help with memory?

40Hz light frequency can promote the synchronous production of Gamma waves (γ waves) in the brain.

Gamma waves are closely related to memory encoding and information integration, and are the most active brain waves during learning and recall. Studies indicate that long-term exposure to 40Hz light frequency can:

- Activation of neural activity in the hippocampus (memory center)
- Promote connections and communication between neurons
- Supports the improvement of short-term and long-term memory

Therefore, NeuGlow can be used as a daily "brain rhythm training" to help maintain clear thinking and learning efficiency.





Q19: How does NeuGlow help with mood and anxiety?

Gamma waves are closely related to the emotional regulation centers (such as the amygdala and the anterior cingulate cortex).

When the brain's rhythm is disrupted, people are prone to anxiety, irritability, and low mood. 40Hz light waves can help:

- Stabilize brain wave rhythm and reduce excessive activation of the nervous system
- Promote the balance of serotonin and dopamine in the brain
- Enhance overall relaxation

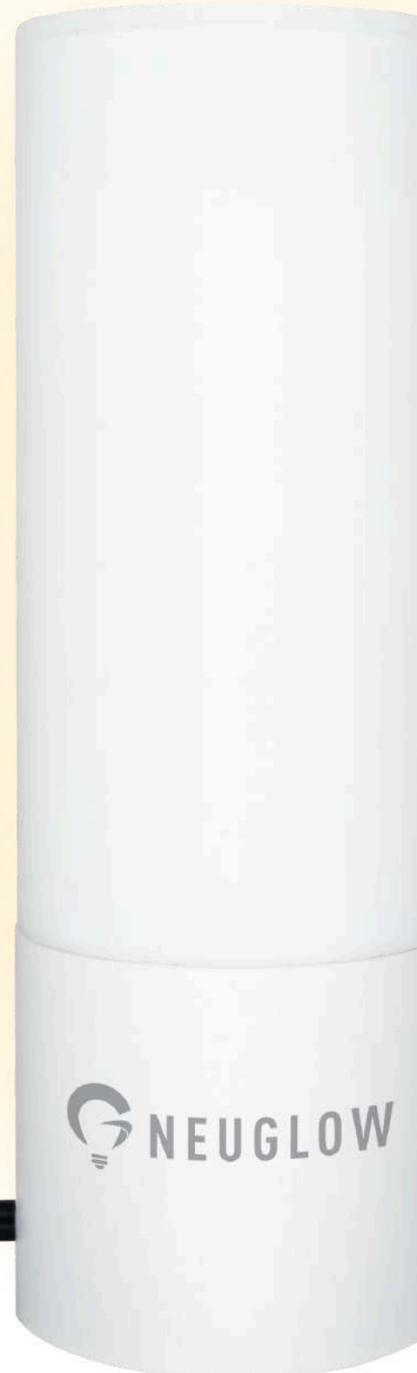
Therefore, regular use of NeuGlow can help improve tension and anxiety, and make emotions more stable.

Q20: Does NeuGlow help with depressive moods?

Studies show that some people with mood disorders have weaker Gamma wave activity. 40Hz light stimulation can gently reactivate neural rhythms and improve synchronization between brain regions.

NeuGlow can support:

- Adjusting the rhythm of nerve conduction in the brain
- Promotes positive emotions and focus
- Reduce mental fatigue and mental confusion





Q21: Can NeuGlow help improve concentration?

Yes. When the brain produces a stable 40Hz Gamma wave, the neural activity in the prefrontal cortex becomes more regular, which helps to concentrate and reduce distraction and mind wandering.

Students, office workers, or those who require high concentration can benefit from regular daily use of NeuGlow to maintain brain rhythm consistency and improve focus performance.

Q22: Does NeuGlow help improve sleep quality?

It helps. After the brain is trained to a 40Hz light rhythm during the day, it is easier to enter a natural relaxing state at night.

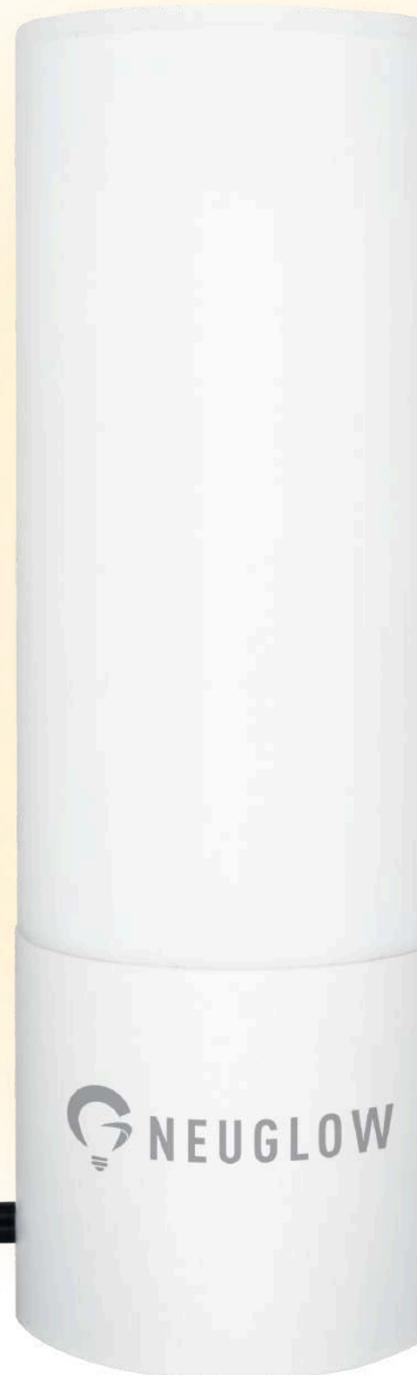
Long-term use is beneficial:

- Establish a stable circadian rhythm.
- Relieve nervous fatigue
- Improve difficulty falling asleep and light sleep
- It is recommended to use NeuGlow in the morning or afternoon to help reset the brain's photobiological rhythm.

Q23: What is the effect of NeuGlow on Alzheimer's disease?

Professor Tsai Hui-hui of MIT has found that 40Hz light stimulation can reduce the accumulation of β -amyloid and tau proteins in the brain, which are key pathological features of Alzheimer's disease. Animal experiments and early human studies show that:

- Gamma waves can promote the removal of waste by immune cells (microglia) in the brain.
- Maintains neural connectivity activity





Q24: Does NeuGlow help children with autism?

Studies show that the brains of children with autism often exhibit uncoordinated Gamma wave activity.

40Hz light stimulation can help:

- Enhance neural synchrony
- Stabilize the sensory integration system (reduce hypersensitivity)
- Promotes focus and calmness

NeuGlow can be used as an environmentally regulated light source to create a more comfortable brainwave rhythm for children with autism.

Q25: Is NeuGlow suitable for patients with Attention Deficit Hyperactivity Disorder (ADHD)?

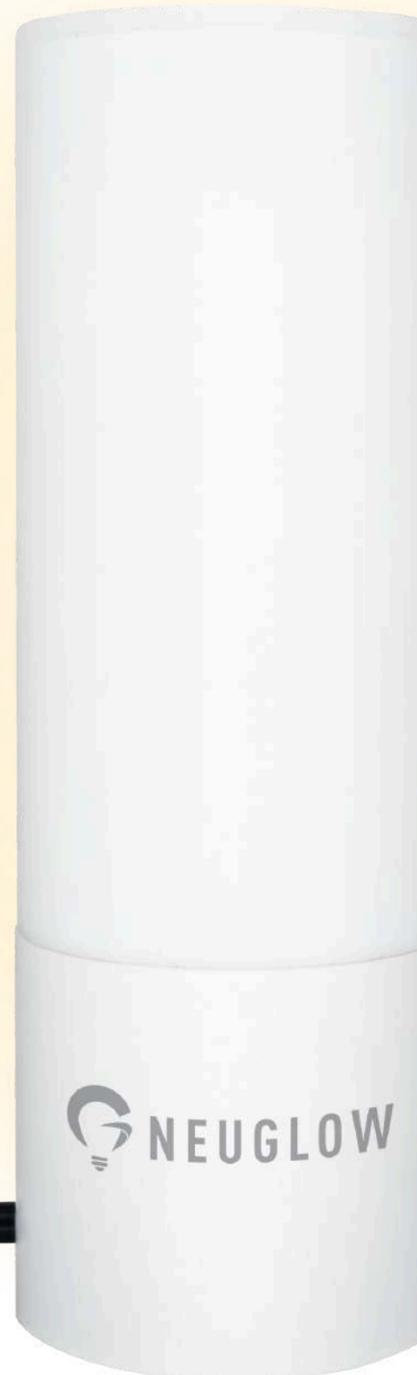
Suitable for adjunctive use. ADHD patients often experience unstable brain wave rhythms or low-frequency dominance.

40Hz light frequency can gently guide the brain back to a high-frequency rhythm state, helping to:

- Improve focus
- Stabilize emotions
- Improve sustained attention

Q26: Is NeuGlow shockproof/waterproof?

Not shockproof or waterproof. Do not drop, get wet, or allow liquids to penetrate it, as these are considered human-caused damage.





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