



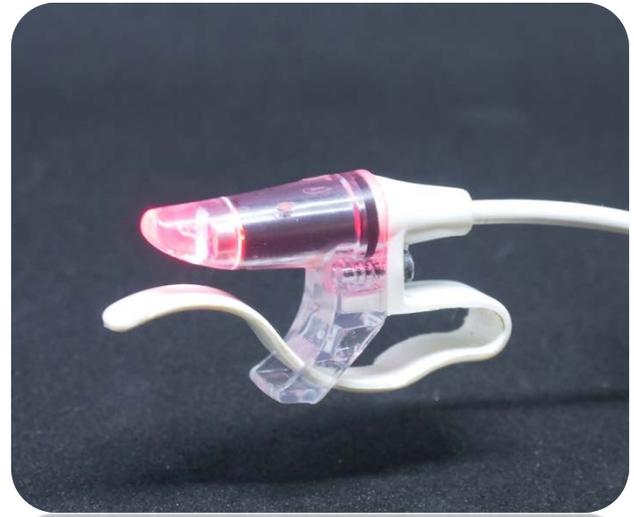
# VieLight 810 Intranasal Near Infrared Light

The VieLight 810 emits an infrared light with an 810nm wavelength and therefore is a non-laser intranasal light photo-biomodulation device. Engineered for gentle brain stimulation, this device complements the systemic effects of the VieLight 655.

Photo-biomodulation is the activation and energisation of mitochondria, the “power generator” of our cells, by absorbing low level photons in the red / infrared spectrum. Energised mitochondria are triggered to convert energy into a form of biological energy called adenosine triphosphate (ATP).

The 810nm near infrared wavelength enables photonic transmission past the intranasal channel to the deep ventral brain areas. The 810 is engineered to pulse at 10 Hz 50% duty cycle, this frequency is associated with brain oscillation in the alpha state. Neurons are well-suited for photo-biomodulation because they contain mitochondria.

The University of Texas conducted a study, which showed that near infrared energy stimulation produces beneficial effects on frontal cortex functions such as sustained attention, working memory, and affective state. This affective state also helps to release the calming chemicals serotonin, which helps alleviate sleep disorders.



## The VieLight 810 may assist in the following:

- Mental Acuity
- Traumatic Brain Injury
- Concussion Recovery
- Brain Neurodegenerative Symptoms
- Neuro-developmental Symptoms
- Sleep



- Backed up by scientific research and user reports portable, wearable and convenient recommend to use at night before sleeping as the beam is pulsed with 10Hz and therefore correlating to alpha brain waves, which can make sleepy.
- Pulsing infra-red light, which is invisible to the naked eye producing a gentle brain stimulation (relative to the Neuro) and engineered to use every day.
- Auto-timed for 25 minutes, resulting in specific total irradiation with red photons of sufficient power density per cycle. Powered by long-lasting single AA battery (2-3 months daily use).

	<b>Vielight 655</b>	<b>Vielight 810</b>
Light Source	Low Level Laser	LED
Wavelength	655 nm	810 nm
Color	Deep red	Invisible
Pulse mode	Continuous	Pulsed at 10 Hz
Safety issues	Very small, should not be shone directly into the eyes.	None
Therapeutic objectives	General wellness	Directs more therapeutic lights to the brain.