# 810 NIR

## PHOTOBIOMODULATION
### for mental acuity

pulse laser relief™



810 nm near infrared light LED

## Compact Brain PBM NIR Device

The Vielight 810 NIR is an LED based intranasal light therapy device for general wellness purposes. Engineered for gentle brain stimulation via photobiomodulation (PBM), it complements the systemic PBM effects of the 633 Red and 655 Prime.

The 810 nm near infrared light (NIR) enables photonic transmission via the nasal channels to the deeper ventral brain areas. QEEG images, taken before and after using the Vielight 810, show support for restorative activity in the brain.

## Why the Nose for Brain PBM?

### The area between the nasal cavity and the brain has little barrier to 810 nm wavelength light reaching the brain.

The 810 NIR can be used in most living environments, which makes it a perfect wearable device for PBM. PBM stimulates the mitochondria (the cell's power house) by the absorption of photons in cytochrome C oxidase, a light acceptor in cells. The activation of mitochondria results in an increase in the production of a fuel source in cells called adenosine triphosphate (ATP), leading to reduced oxidative (cell) stress, anti-inflammatory effects, improved cellular energy, increased synthesis (production) of enzymes, and increased cerebral blood flow.

VIELIGHT
The Life Light®

## Recommended Usage:

Use on its own once a day. If used twice a day, allow at least six hours between the sessions. It can also be used alternately or simultaneously with the 633 Red or the 655 Prime, as well as with the X-Plus device.

## Convenient Features:

Compact and light, the 810 NIR is designed for convenience and simplicity of use.

Multipurpose, battery-operated PBM device. One AA battery is required for operation and included with each device.

Each session is preset for approximately 25 minutes, and the device switches off automatically.

A clip on the back of the controller is provided to help keep the cord tidy.

## PBM Source Specifications:

The LED of the nasal applicator emits 810 nm (wavelength) near infrared light, NIR, pulsing at 10 Hz. The power density of the light is 13 mW/cm$^2$.

Auto Shut off

Timed Operation

810 nm Invisible Near Infrared Light, NIR

10 Hz Light Pulsing Frequency