MANY SUCCESSFUL PROJECTS

INTERNATIONAL RECOGNITION

1000s OF SATISFIED CUSTOMERS

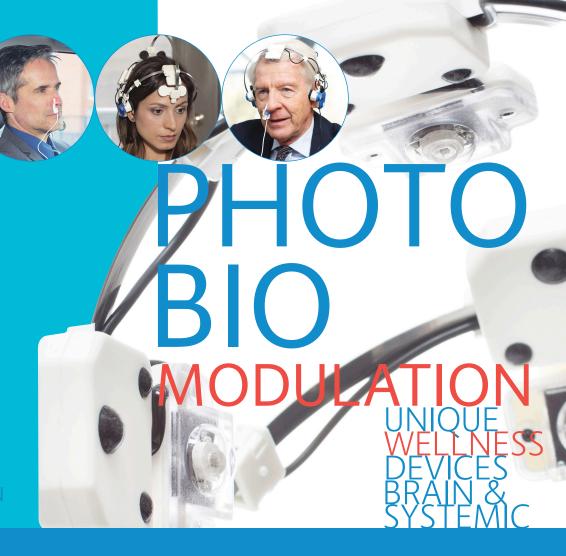
MULTIPLE USES & APPLICATIONS

EXTENSIVE RESEARCH & DEVELOPMENT

NUMEROUS COLLABORATIONS & CLINICAL TRIALS

NEW PRODUCT PIPELINE & DESIGNS

LEADERSHIP IN PHOTOBIOMODULATION





**NEURO** 

ALPHA

**NEURO** 

GAMMA

X-PLUS

633

nn

655

nm

810



# Mental Acuity



### **PHOTOBIOMODULATION**

Photobiomodulation (PBM) is a bioenergetic process. It utilizes red and near infrared (NIR) light to enhance mitochondrial function in cells by modulating a photosensitive enzyme, cytochrome c oxidase. This is important because mitochondrial fitness affects most facets of health due to its role in gene transcription.



The Vielight Neuro Alpha is a personal-use brain photobiomodulation device that delivers 810 nm near infrared light energy, pulsing at 10 Hz, via LED clusters. The LEDs are directed to the hubs of the default mode network of the brain. The pulse rate of 10 Hz correlates with alpha oscillations within the brain. This frequency is associated with improved recovery and a resting brain state. It is ideal for meditation, mindfulness, focus, biohacking and general wellnes.

The Vielight Neuro Gamma is a personal-use brain PBM device that delivers 810 nm near infrared light, pulsating at 40 Hz via LED clusters. The LEDs are directed to the hubs of the default mode network of the brain. A healthy default mode network is associated with a healthy brain. Published research adaptable LED module that emits shows that more intense 40 Hz pulse rate correlates with gamma oscillations within the brain and is associated with increased cognitive and memory processing and consolidation.

The **NEURO** 

Technology & Trials

very similar to the Neuro

Alzheimer's clinical trials.

They show that the 40 Hz

pulse rate correlates with

and beta-amyloid (senile)

plaque reduction in some

More cognition-related

trials are planned.

neurodegenerative diseases.

memory consolidation

Gamma, is used in two

The Neuro RX device,

# (PBM) of the brain, the thymus gland and of the gut are only some of the options with the X-Plus. Its strong and flexible stainless-steel band

can be shortened or elongated to accommodate almost any placement on the body. The X-Plus's nasal applicator

Personal

PBM Device

has a 633 nm wavelength red light LED, which stimulates the circulatory system through the intranasal capillaries.

A more holistic approach to PBM is possible by combining the X-Plus with a Vielight Neuro.



VIELIGHT

**X-PLUS** | US\$749

(810 633 nm)

The X-Plus is a versatile device

light to almost any location on

continuous 810 nm near infrared

light (NIR). Photobiomodulation

the head or the body with its

that can direct near infrared













Operation

\*FDA and CE safety compliant.

The Vielight 633 Red is a personal systemic intranasal photobiomodulation LED device. This device utilizes a cold LED to emit visible red light of 633 nm visible wavelength. Each session is auto-timed for 25 min, to deliver total irradiation with red light photons of sufficient power density for a systemic effect.

## Why the Nose for Systemic PBM?

The visible red photons diffuse into the thin, permeable nasal blood capillary network and circulate through the body.

The Vielight 655 Prime is a compact laser intranasal PBM device. This device utilizes a laser diode as a source of coherent visible red light with wavelength of 655 nm. Each session is auto-timed for 25 min, resulting in irradiation with red photons of sufficient power density for a systemic effect.

### Why the Nose for Brain PBM?

Only a short, porous barrier exists between the ventral brain area and the nasal channel, — ideal for NIR diffusion.

The Vielight 810 NIR is an LEDbased intranasal light therapy device. Engineered for gentle brain stimulation, it extends the systemic effects of the Vielight 633 and 655. The 810 nm near infrared light enables photonic transmission via the intranasal channel to the deeper ventral brain areas. Neurons are wellsuited for photobiomodulation because they contain mitochondria which can feed on photonic energy.

# **633** RED | US\$299



# Compact Focused Systemic

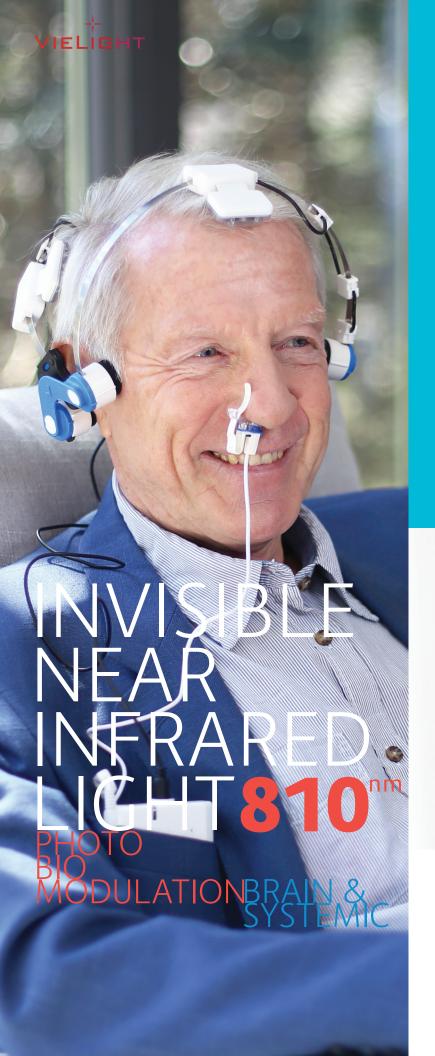
# **655** PRIME | US\$399



# Brain PBM

# **810** NIR | US\$499





# SIMPLE FACTS WE HAVE IDEAS FULLY CHARGED & FOCUSED

Vielight Inc is poised at the forefront of brain photobiomodulation technology. We combine science with engineering ingenuity to develop devices that incorporate novel methods of delivering photons to the brain and inner systems of the body.

### NEW DESIGNS NEW PRODUCT PIPELINE

Today, we strive to look for new opportunities and expand our range of solutions by working in collaboration with a number of world-renowned research institutions in the PBM field.



EMAIL: info@vielight.com

CALL:

USA & CANADA 1-877-355-8012 INTERNATIONAL 1-647-201-5499



www.vielight.com