ERCHONIA®
Healing Light, Perfected.

LOW-LEVEL LASER THERAPY · FDA-CLEARED

Product Catalog

The proven leader in laser therapy.

More FDA clearances than any other laser manufacturer — earned through multisite, randomized, double-blind, placebo-controlled clinical trials.

Contents

THE SCIENCE

03 About Us

04 Fundamentals of Photochemistry

05 The Electron Transport Chain

THE DEVICES

06 Choose Your Laser

07 GVL

08 XLR8

09 EVRL

10 EVRL-DPN

11 Base Station

12 FX 405

13 CLX

14 Zerona VZ8 — The Device

15 Zerona VZ8 — Proof & Program

THE EVIDENCE & THE RETURNS

16 FDA Clearances

17 Clinical Evidence

18 ROI — Pain Lasers

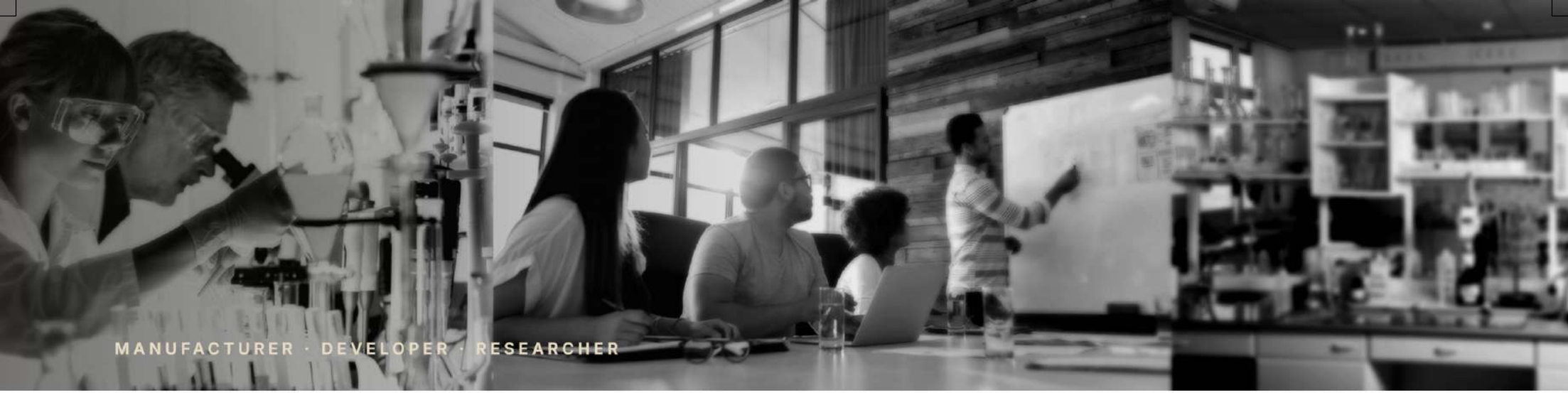
19 ROI — Aesthetics

Did you know?

For nearly three decades Erchonia has advanced low-level laser therapy through extensive clinical study, attaining **24 FDA clearances**. In 2002 the FDA cleared the first non-thermal laser in history, creating a new category — **NHN** — and setting the standard for the field.

Leaders in Research

Erchonia is the world leader in low-level laser technology. Every laser we manufacture passes the most rigorous clinical-trial standards possible to prove the safety and effectiveness of the device.



About Us

EST. 1996 · FOUNTAIN INN, SC

Erchonia Corporation was founded in 1996 as a small family business. Though we have grown into an international enterprise, we still operate under the founding principles that brought us here — the legitimate advancement of low-level laser therapy through scientific and clinical research.

That commitment shows in the rigor of our process, from research hypothesis to agency-cleared product and treatment method. To hold ourselves to a single all-encompassing standard, Erchonia serves as manufacturer, developer, researcher and marketer of everything we make.

1996
FOUNDED

24
FDA CLEARANCES

2002
FIRST NHN CLEARANCE IN HISTORY

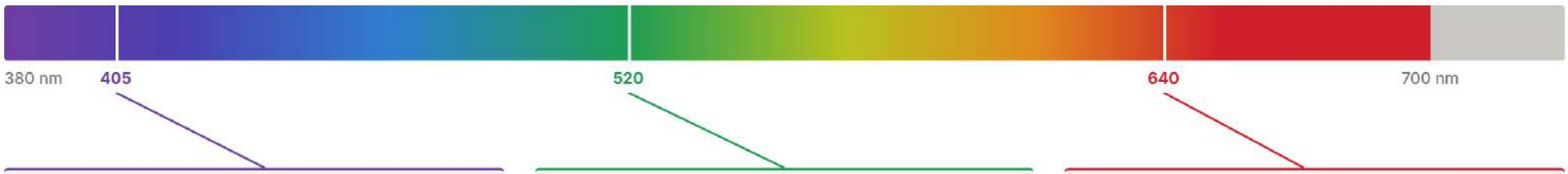
Fundamentals of Photochemistry

Low-level laser therapy is a photochemical reaction: photons absorbed within the visible spectrum (380–700 nm) drive the chemistry that produces the biological effect. Erchonia delivers monochromatic, coherent laser light of a single wavelength — LEDs cannot, and in dozens of double-blind trials LEDs serve as the placebo arm.

	LLLT — ERCHONIA · NHN	CLASS IV / HIL · ILY
OUTPUT	Under 500 mW	Above 500 mW
MECHANISM	Photochemical, non-thermal	Thermal — heats tissue 40–45 °C
CLEARANCE	Blinded, controlled trials required	ILY pathway is 510(k)-exempt

> *"LLLT delivered at low doses tends to work better than the same wavelength delivered at high levels, which illustrates the basic concept of biphasic dose response."*
>
> — CALABRESE, 2001B

PHOTON ENERGY ACROSS THE VISIBLE SPECTRUM



405 NM · VIOLET

3.06 eV

The most energetic wavelength Erchonia emits.

520 NM · GREEN

2.38 eV

The only green wavelength FDA cleared for pain.

640 NM · RED

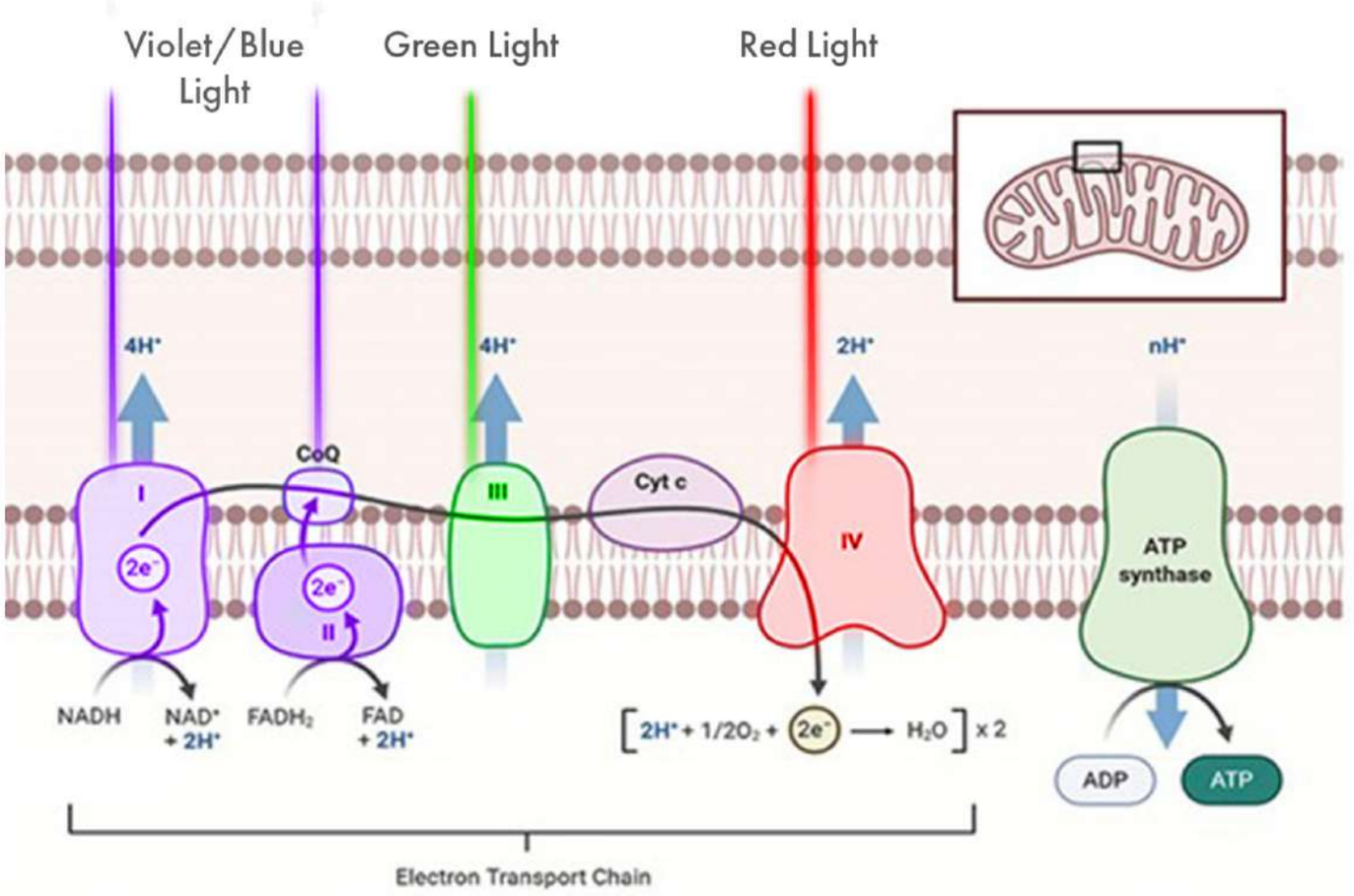
1.94 eV

The longest wavelength Erchonia emits.

Photon energy rises as wavelength shortens ($E = hc/\lambda$): violet delivers 58% more per photon than red. All three Erchonia wavelengths are visible light — non-ionizing, clear of the ultraviolet. Infrared beyond 700 nm produces heat, not photochemistry.

The Electron Transport Chain

Four protein complexes shuttle electrons along the inner mitochondrial membrane, pumping protons to build the gradient ATP synthase converts into ATP. Each Erchonia wavelength stimulates specific complexes.



405 nm 520 nm 640 nm

WHICH LIGHT DRIVES WHICH COMPLEX

405 nm VIOLET

Complexes I & II

The two entry points where electrons from NADH and $FADH_2$ enter the chain.

520 nm GREEN

Complex III

The only wavelength that reaches Complex III — no other colour does.

640 nm RED

Complex IV

The terminal oxidase — reduces oxygen to water and pumps the final protons.

Each complex pumps protons up into the intermembrane space. That gradient is what **ATP synthase** converts into ATP — the cell's usable energy.

WHY IT MATTERS

No single wavelength covers the whole chain. That is why Erchonia builds multi-wavelength devices — and why the **ETC Complex Indicator** appears on every device page, showing exactly which complexes each laser reaches.

Choose Your Laser NEW

	GVL	XLR8	EVRL	EVRL-DPN	Base Station	FX 405	CLX	Zerona VZ8
WAVELENGTH	● 520 ● 405	● 640	● 640 ● 405	● 640 ● 405	● 640 ● 520 ● 405	● 640 ● 405	● 520 ● 405	● 405
ETC COMPLEXES	I II III IV	I II III IV	I II III IV	I II III IV	I II III IV	I II III IV	I II III IV	I II III IV
FORM FACTOR	Handheld	Handheld	Handheld	Handheld	3 handhelds + dock	Cart scanner	Handheld + dock	Cart scanner
SETTING	In-office	In-office	In-office	**Prescription home use**	In-office	In-office	In-office	In-office
UNATTENDED + = with optional stand	+ with stand	+ with stand	+ with stand	✓	—	✓	—	✓
PRIMARY INDICATIONS	Pain & inflammation; ROM	Entry-level pain therapy	Neck & shoulder pain	Diabetic peripheral neuropathy foot pain	Full-ETC pain coverage	Plantar fasciitis; low back; musculoskeletal	Submental (chin) fat reduction	Body circumference reduction
FROM $/MONTH	**$418**	**$208**	**$334**	**$334**	**$785**	**$1,137**	**$540**	**$1,330**

BEST FOR — NEW TO LASER THERAPY

XLR8

BEST FOR — WIDEST INDICATION SET

Base Station

BEST FOR — BODY CONTOURING

Zerona VZ8

GVL LASER

The world's most energetic cold laser — and the only green wavelength FDA cleared for pain and inflammation.

The GVL was the most effective wavelength combination for increasing range of motion and decreasing pain in a single session. Uniquely, green reaches Complex III of the electron transport chain — no other wavelength can, and it is critical to producing ATP.

CLINICALLY SHOWN TO

Increase range of motion and decrease pain in a single session.

I II III IV

ELECTRON TRANSPORT CHAIN COMPLEXES STIMULATED

3.06 eV

405 NM · THE MOST ENERGETIC WAVELENGTH WE EMIT

$418 per month

Price may vary; excludes tax & shipping.

Specifications

520 nm · 405 nm

OPTICS

(2) 7.5 mW line-generated diodes with patented optics · 520 nm & 405 nm

CONTROL

Constant wave & pulsed (Hz) · 100 memory channels · 1 preset protocol · Full-color touchscreen

POWER & BUILD

3.7 VDC lithium-ion polymer · Machined billet aluminum · Under 1 lb (0.30 kg), device only

COMPLIANCE

ISO 13485 · IEC 60601-1, 60601-1-2, 60825-1 · CB, CE, CMDCAS · Laser Class 2 / Device Class II

ORDER # GVL (888) 242-0571 · erchonia.com

XLR8 LASER

The workhorse — Erchonia's longest-running product line, and still the best way into laser therapy.

The XLR8 has carried more treatment hours than any laser we build. Two red diodes, seven preset protocols and 100 user-defined channels make it the device clinics start with — and the one they keep running years later.

CLINICALLY SHOWN TO

Stimulate Complex IV of the electron transport chain — the terminal oxidase that produces ATP.

I | II | III | **IV**

ELECTRON TRANSPORT CHAIN COMPLEXES STIMULATED

DUAL RED

Two 640 nm diodes · Complex IV

$208 per month

Price may vary; excludes tax & shipping.

Specifications

640 nm

OPTICS

(2) 7.5 mW line-generated diodes with patented optics · 640 nm

CONTROL

Constant wave & pulsed (Hz) · 100 memory channels · 7 presets · Full-color touchscreen

POWER & BUILD

3.7 VDC lithium-ion polymer · Machined billet aluminum · Under 1 lb (0.30 kg), device only

COMPLIANCE

ISO 13485 · IEC 60601-1, 60601-1-2, 60825-1 · CB, CE, CMDCAS · Laser Class 2 / Device Class II

ORDER # XLR8 (888) 242-0571 · erchonia.com

★ MOST POPULAR

EVRL LASER

Red and violet in a single modality — our most popular in-office handheld.

Since its release the EVRL has become our most popular handheld by combining red and violet in one treatment — patients saw better results with the pairing than with 640 nm alone.

CLINICALLY SHOWN TO

Stimulate Complexes I, II and IV · reduce neck & shoulder pain and improve range of motion.

I II III IV

ELECTRON TRANSPORT CHAIN COMPLEXES STIMULATED

RED + VIOLET
7.5 mW per diode

$334 per month Price may vary; excludes tax & shipping.

The same laser, cleared as the EVRL-DPN for prescription home use in diabetic peripheral neuropathy foot pain. See page 10.

Specifications

640 nm · 405 nm

OPTICS

(1) 7.5 mW red + (1) 7.5 mW violet line-generated diode with patented optics · 640 nm & 405 nm

CONTROL

Constant wave & pulsed (Hz, red only) · 100 memory channels · 1 preset protocol · Full-color touchscreen

POWER & BUILD

3.7 VDC lithium-ion polymer · Machined billet aluminum · Under 1 lb (0.30 kg), device only

COMPLIANCE

ISO 13485 · IEC 60601-1, 60601-1-2, 60825-1 · CB, CE, CMDCAS · Laser Class 2 / Device Class II

ORDER # EVRL (888) 242-0571 · erchonia.com

SHOWN IN THE INCLUDED HANDS-FREE TREATMENT STAND

EVRL-DPN LASER

The first prescription home-use laser cleared for diabetic peripheral neuropathy foot pain.

This is the EVRL you already know, cleared for a new indication. The patient treats at home — two sessions daily, five minutes per foot.

YOU DISPENSE THE LASER, NOT THE TREATMENT

The clinic prescribes and supplies the unit, then follows the patient's progress — revenue from the device and the follow-up, not from scheduled sessions.

I II III IV

ELECTRON TRANSPORT CHAIN COMPLEXES STIMULATED

$334 per month

Specifications

640 nm · 405 nm

PRESCRIPTION USE (RX) Not OTC

OPTICS
(1) red 640 nm + (1) violet 405 nm diode · 7.5 mW each

CONTROL
Single pre-programmed protocol · no user settings

PROTOCOL
Two treatments daily · five minutes per foot · at home

COMPLIANCE
ISO 13485 · IEC 60601-1, 60601-1-2, 60825-1 · Laser Class 2 / Device Class II

510(k) K251903

72.73% of active subjects achieved ≥30% VAS pain reduction · vs 32.26% placebo

Double-blind, placebo-controlled, randomized, multi-center · n=64

ORDER # EVRL (888) 242-0571 · erchonia.com

BASE STATION

Three docked handhelds — red, green and violet — covering the full electron transport chain.

A wireless charging dock with three independent handhelds. Treat three locations at once and cover every complex of the ETC in a single purchase.

CLINICALLY SHOWN TO

Stimulate all four complexes of the electron transport chain.

I II III IV

ALL FOUR COMPLEXES — COMPLETE ETC COVERAGE

COMPLETE ETC
Red · green · violet

$785 per month Price may vary; excludes tax & shipping.

Build your own combination — mix and match any three Erchonia handhelds to suit your practice.

Specifications

CONFIGURATION

EVRL, XLR8 and GVL handhelds on a wireless charging dock · 640 / 520 / 405 nm · 7.5 mW diodes

CONTROL

Constant wave & variable Hz · 100 memory channels per laser · programmed independently

POWER & BUILD

Base 100–240 VAC · handhelds 3.7 VDC Li-ion · machined billet aluminum · base 2.35 lb

COMPLIANCE

ISO 13485 · IEC 60601-1, 60601-1-2, 60825-1 · CB, CE, CMDCAS · Laser Class 2 / Device Class II

ORDER # BST **(888) 242-0571 · erchonia.com**

FX 405 SCANNER

Three chronic pain clearances in one walk-away procedure — plantar fasciitis, chronic low back and nociceptive musculoskeletal pain.

The patented FX scanner is a true self-operating procedure: press start and walk away. The FX 405 pairs triple red with a violet diode, reaching Complexes I and II as well as IV — the broadest indication set of any Erchonia scanner.

Touchless & unattended · Most versatile scanner

I · II · III · IV

ELECTRON TRANSPORT CHAIN COMPLEXES STIMULATED

RED + VIOLET
Complexes I, II & IV

$1,137 per month

Price may vary; excludes tax & shipping.

Specifications

640 nm · 405 nm

OPTICS
(3) Class 2, 17.25 mW + (1) Class 2, 23 mW line-generating diodes · 640 nm & 405 nm · variable

CONTROL
Full-color touch-screen · two independent adjustable arms for laser concentration

POWER & BUILD
100–240 VAC 50–60 Hz · 82 lb (37 kg) · 70 in (177.8 cm) adjustable · powder-coated aircraft aluminum

COMPLIANCE
ISO 13485 · IEC 60825-1, 60601-1, 60601-1-2 · CE, CB · FDA Laser Class 2 / Device Class II

ORDER # FX405 (888) 242-0571 · erchonia.com

CLX LASER

Handheld fat reduction for the submental area — green and violet, without ever touching the skin.

The CLX delivers non-thermal laser energy that opens a temporary pore in the adipocyte, releasing fat and lipids into the interstitial space where the body's own pathways clear them. It brings the Zerona fat-loss mechanism into a handheld — and into the consultation room.

Non-contact | No surgery, needles or downtime

I | II | III | IV

ELECTRON TRANSPORT CHAIN COMPLEXES STIMULATED

GREEN + VIOLET
520 nm & 405 nm

$540 per month

Price may vary; excludes tax & shipping.

INCLUDED
$4,500 four-month marketing program

Specifications

520 nm | 405 nm

OPTICS
(2) semiconductor diodes · green 520 nm + violet 405 nm · non-thermal, low-level output

APPLICATION
Non-contact — the device does not touch the skin or any bodily tissue

INDICATION
Non-invasive fat reduction of the submental (chin) area

COMPLIANCE
21 CFR 878.5400, low level laser system for aesthetic use · ISO 14971 risk management · Laser Class 2 / Device Class II

ORDER # CLX (888) 242-0571 · erchonia.com

510(k) K252574 · cleared December 15, 2025 · built on the clinical foundation of the Violet Zerona® Z8, Zerona® Z6 OTC, Verjú® and Emerald® low-level laser devices.

ERCHONIA

ZERONA VZ8 SCANNER

The first and only violet fat-loss laser in the world.

First & only violet fat-loss laser in the world
No other body-contouring laser on the market uses violet wavelength.

Most energetic fat-loss laser
405 nm violet delivers 3.06 eV per photon — 58% more than red at 1.94 eV. No other fat-loss laser uses a shorter, more energetic wavelength.

3.06 eV
405 NM

2× faster treatment times
Front and back in a single 20-minute session, against 40 minutes for the Zerona Z6 protocol.

Unattended, visible results in as little as 2 weeks
No bruising, swelling, freezing or downtime.

Specifications

405 nm · OTC

OPTICS
405 nm ± 10 nm · eight line-generating diode modules · 23 mW ± 2 mW per head

PROTOCOL
20-minute treatment · 6 treatments across 2 weeks (3 per week, every other day) · applicators 3–4 in from the area

POWER & BUILD
90 lb / 41 kg · 68 in / 173 cm adjustable · 100–240 VAC 50–60 Hz · two independent adjustable arms

COMPLIANCE
ISO 13485 · ISO 14971 · IEC 60825-1, 60601-1, 60601-1-2 · FDA Laser Class 2 / Device Class II · OTC clearance

$1,330 /month
Retail $64,900. Price may vary; excludes tax & shipping.

I II III IV
ELECTRON TRANSPORT CHAIN COMPLEXES STIMULATED

ORDER # VZ8 (888) 242-0571 · erchonia.com

510(k) K243811 · cleared January 10, 2025 · indicated as a non-invasive dermatological aesthetic treatment for the reduction of body circumference.

Zerona VZ8 RESULTS

ACTUAL CLIENTS · VIOLET ZERONA Z6 OTC TRIAL

−3.91 in

MEAN TOTAL-BODY CIRCUMFERENCE REDUCTION

Double-blind, randomized, multi-site, placebo-controlled trial of the Violet Zerona® Z6 OTC (510(k) K231474), the predicate device on which the Zerona VZ8 clearance (K243811) rests.

Individual results vary. Photographs are of actual clients; results shown are not necessarily typical.

INCLUDED WITH EVERY ZERONA VZ8

$9,000 Six-Month Marketing Program

- Six months of paid social management
- Campaign creative built for your market
- Hosted landing page and booking flow
- Patient education library, in-clinic and digital
- Staff consultation training on closing the package

Program deliverables to be confirmed by Erchonia.

Talk to a specialist about bringing the VZ8 to your practice.

(888) 242-0571

erchonia.com

ORDER # VZ8

FDA Clearances

Erchonia establishes new indications through double-blind, randomized, multi-site, placebo-controlled clinical trials — the highest standard in clinical testing. Most cleared devices never run one.

Each pain indication below was a first of its kind for laser therapy — part of Erchonia's 24 FDA clearances.

SCAN TO VIEW ALL ERCHONIA FDA CLEARANCES

> *"...set the precedent on how aesthetic devices should be evaluated."*
>
> **On Erchonia's Zerona research**
> Three Harvard scientists · Lasers in Surgery & Medicine

HOW RARE THIS STANDARD IS

Over 90%

of 510(k) devices clear with no new clinical trial data — on equivalence to an earlier device plus bench testing.

Source: FDA 510(k) guidance

OUR CONTROL ARM IS AN LED

In these trials the placebo device is an LED — the same light sold elsewhere as therapy. The laser beat it every time. Figures show laser / LED sham.

NECK & SHOULDER	POST-OP PAIN	MUSCULOSKELETAL
65.1% / 11.6%	**74%** / 37%	**66.5%** / 17.2%

Clinical Evidence

BLINDED · PLACEBO-CONTROLLED · 510(K)-CITED

K012580

Chronic neck & shoulder pain

65.1%

of subjects met success criteria vs 11.6% placebo (LED)

K072206

Post-op pain, breast augmentation

74%

met major success criteria vs 37% placebo (LED)

K132940

Chronic plantar fasciitis heel pain

29.6

mean VAS improvement vs 5.4 placebo; sustained at 12 months

K180197

Chronic low back pain · FX scanner

72.4%

≥30% VAS decrease vs 27.6% placebo · p<0.005 · ODI −12.27% vs −5.18%

K190572

Nociceptive musculoskeletal pain · FX scanner

66.5%

vs 17.2% sham (LED) · mean VAS reduction 50% · n>200

K191257

Neck & shoulder pain, red + violet · EVRL

75%

achieved ≥30% VAS decrease · VAS 65.0→35.2, p<0.0001 · ROM +29.07%

K251903

Diabetic peripheral neuropathy foot pain · EVRL-DPN

72.73%

vs 32.26% placebo · double-blind, randomized, multi-center · n=64 · no serious device-related AEs

K243811

Body circumference reduction · Zerona VZ8

−3.91 in

mean total-body reduction in the predicate Violet Zerona Z6 OTC trial (K231474), on which the VZ8 clearance rests

Full trial summaries and 510(k) records: erchonia.com — or scan the QR code on page 16.

Return on Investment — Pain Lasers

DEVICE	RETAIL	PATIENTS / DAY	TREATMENTS / WEEK	CHARGE PER TREATMENT	MONTHLY FINANCE	MONTHLY REVENUE	ANNUAL REVENUE	YEAR-1 REVENUE AFTER FINANCE
GVL	$19,900	5	20	$50	$418	$4,000	$48,000	**$42,984**
XLR8	$9,900	5	20	$30	$208	$2,400	$28,800	**$26,304**
EVRL	$15,900	5	20	$40	$334	$3,200	$38,400	**$34,392**
Base Station	$37,900	15	60	$40	$785	$9,600	$115,200	**$105,780**
FX 405	$54,900	5	20	$100	$1,137	$8,000	$96,000	**$82,356**

Illustrative only. Based on a 5-year term for a well-qualified buyer, a 4-day treatment week and national-average fees. Final column is twelve months of revenue less twelve monthly payments.

Return on Investment — Aesthetics

VZ8 — retail **$64,900** · **$1,330**/mo · CLX — retail **$24,900** · **$540**/mo

DEVICE & PACKAGE	COST PER PACKAGE	3 PATIENTS / MONTH	5 PATIENTS / MONTH	7 PATIENTS / MONTH
VZ8 · 6 Treatments	$1,500	$4,500	$7,500	$10,500
VZ8 · 9 Treatments	$2,000	$6,000	$10,000	$14,000
VZ8 · 12 Treatments	$2,400	$7,200	$12,000	$16,800
CLX · 8 Visits	$1,600	$4,800	$8,000	$11,200

THROUGHPUT

ZERONA Z6 · 40 MIN

ZERONA VZ8 · 20 MIN

2× PATIENT CAPACITY PER DEVICE-DAY

A 20-minute front-and-back session against the Z6's 40 doubles the patients a single device can carry per day.

PAYBACK, IN PACKAGES

27 × 12-treatment packages covers the device

VZ8: $64,900 retail ÷ $2,400 per package — about five patients a month for six months, or three a month for nine.

CLX: 16 × 8-visit packages — $24,900 ÷ $1,600, or three patients a month for six months.

VZ8 · $9,000 PROGRAM **CLX · $4,500 PROGRAM**

Illustrative only. Based on a 5-year term for a well-qualified buyer, a 4-day treatment week and national-average fees.

Proven Non-invasive Drug-free

INCLUDED WITH EVERY LASER

- Free Laser Seminar
- Marketing Portal Access
- Provider Website Listing
- Training Support
- 2-Year Warranty
- Full Customer Service

Talk to a specialist about which laser fits your practice.

ERCHONIA®
Healing Light, Perfected.

Erchonia Corp. · 112 Southchase Blvd.
Fountain Inn, SC 29644
(888) 242-0571 · erchonia.com