

# HOUVA III®

with DermaSense® Technology

## Three Configurations Available\*

### Configuration 1

Narrowband UVB Unit  
 • Equipped with 48 Narrowband UVB lamps

### Configuration 2

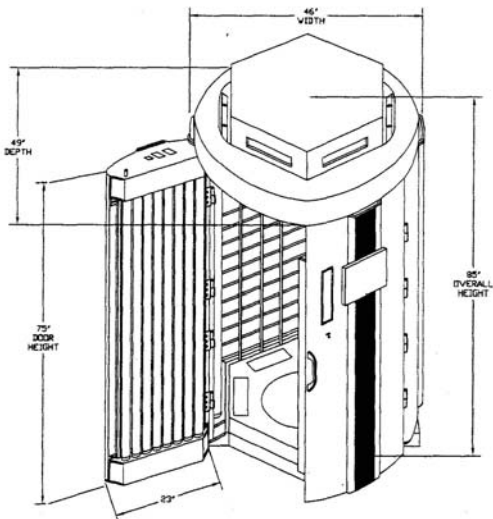
Combination Narrowband UVB/UVA Unit  
 • Equipped with 24 Narrowband UVB lamps and 24 UVA lamps

### Configuration 3

UVA1 Unit  
 • Equipped with 48 UVA1 lamps

National Biological uses only new Philips TL Brand Narrowband UVB Lamps

\*Other lamp configurations available on request.



APPROX. WIDTH WITH DOOR OPEN IS 70"

All products shipped F.O.B. Beachwood, OH.

## SPECIFICATIONS

### ELECTRICAL RATING

- 120/240 volt, 3 wire, single phase, solid neutral, 50/60 hertz
  - 30 amperes per leg
  - 10-foot, 4 conductor #10 AWG power cable included
  - Optional international base 220-240 volts, 50/60 hertz
- Note: For other supply voltages and systems, including international use, contact National Biological Corporation.

### ELECTRICAL CERTIFICATION

- Listed with ETL Testing Laboratories, Inc. 
- Certified to the Canadian Standards Association and CMDCAS
- National Biological Corp. is certified to ISO-13485 

### DIMENSIONS

46"W x 49"D x 85 "H

### WARRANTY

- All parts (excluding lamps) carry a 5-year, free replacement warranty. All labor carries a 5-year, "NO CHARGE" warranty from date of installation. Extended Warranties also available.
- Lamps warranted for 90 days.

## The National Biological Advantage

- An experienced staff of full-time engineering professionals well versed in UV technology
- On-site installation and training on Houva III® operation and benefits
- Service performed on your premises
- Thorough testing, inspection, and documentation of every device and component by our Quality Assurance staff
- Quality-built with care and attention to detail
- "Total Support" with the most comprehensive warranty in the industry



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# HOUVA III®

Phototherapy System  
 with DermaSense® Technology



**S.E.E. the Light!**  
 Safe, Effective & Economical



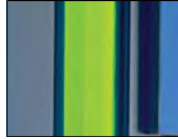
# HOUVA III<sup>®</sup>

## Shines New Light On Office-Based Phototherapy

HOUVA III<sup>®</sup> Phototherapy System with DermaSense<sup>®</sup> Technology combines proven phototherapy treatment with the latest technology in UV light measurement.

- High Output Phototherapy System
- Integrated, *Removable* Sensors

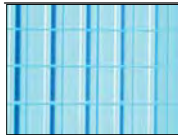
Safety interlock automatically shuts off unit when door is open



Non-UV transmitting viewing window to monitor patient during treatment



Hand rails for patient safety



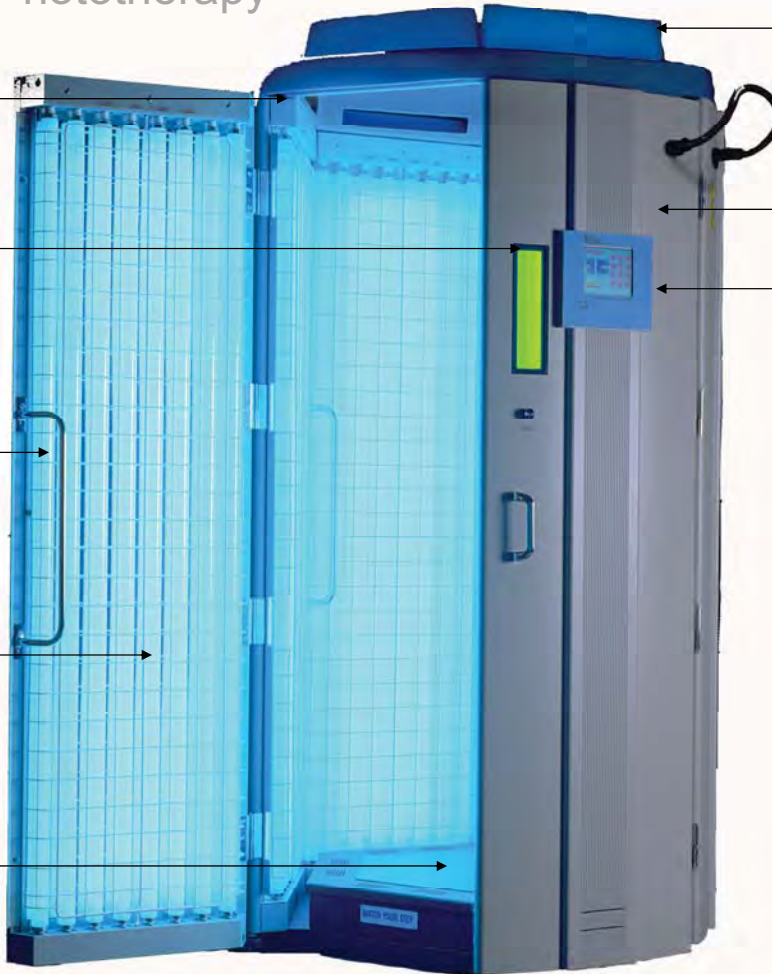
Safety screens allow for maximum energy output and snap out for easy lamp replacement



Exclusive perimeter flow ventilation for increased patient comfort

Raised floor for proper treatment of lower legs

Non-skid floor mat for patient safety



Choice of open top or sealed unit



Durable mar and dent-resistant finish looks great today and in the future

Easy to read and use color touch screen control for fast setup and treatments



Color display shows running cumulative dose

Utilizes "watchdog" circuitry that shuts off the unit if a potential malfunction is detected

### DermaSense<sup>®</sup> Technology

Only HOUVA III<sup>®</sup> has DermaSense<sup>®</sup>, the exclusive dual measuring technology that features integrated, removable microprocessor-controlled sensors that constantly monitor UV and electrical power levels with real time readings.

DermaSense<sup>®</sup> automatically controls UV energy, making conventional light meter readings unnecessary and assuring optimal treatment times. HOUVA III<sup>®</sup> controls are designed to never fail in the "ON" position.

### National Biological Makes Annual Recalibration Easy!

Approximately one year after your purchase (and every year thereafter), National Biological will ship you a replacement sensor module, precisely calibrated to the original National Institute of Standards and Technology (NIST) standards. Once it arrives, simply remove the old DermaSense<sup>®</sup> integrated sensor module from your HOUVA III<sup>®</sup> and ship it back to National Biological. Your HOUVA III<sup>®</sup> will never be down for service waiting to be calibrated.

**Even better, no expensive on-site technician is required to recalibrate the equipment.**



Unclip and remove screens.



Remove sensor and install replacement unit.