

# Houva 4<sup>®</sup>

Trusted Phototherapy Solutions  
for Full-Body Clinical Treatments



Phototherapy System  
with DermaSense<sup>®</sup> Technology

 NATIONAL  
BIOLOGICAL

# Houva 4<sup>®</sup>

**HOUVA 4<sup>®</sup> Phototherapy System with DermaSense<sup>®</sup> Technology** combines proven phototherapy treatment with the latest technology in UV light measurement.

## Choice of open top or sealed unit

*The open top creates an environment that is more inviting to children and claustrophobic patients.*

## Safety interlock automatically shuts off unit when door is open

*Prevent accidental exposure to others in the room with this built-in safety feature.*

## Non-UV transmitting viewing window

*Safely monitor your patient's treatments when you use the non-uv transmitting viewing window.*

## High output lamps

*48 high output lamps eliminates the need for lengthy treatments while simultaneously providing effective and precise care. (see lamp configurations)*

## Integrated removable sensors

*The removable sensors allow for quick and easy calibrations thus minimizing downtime and ensuring your phototherapy unit is operating at peak potential.*

## Hand rails for patient safety

## Safety screens

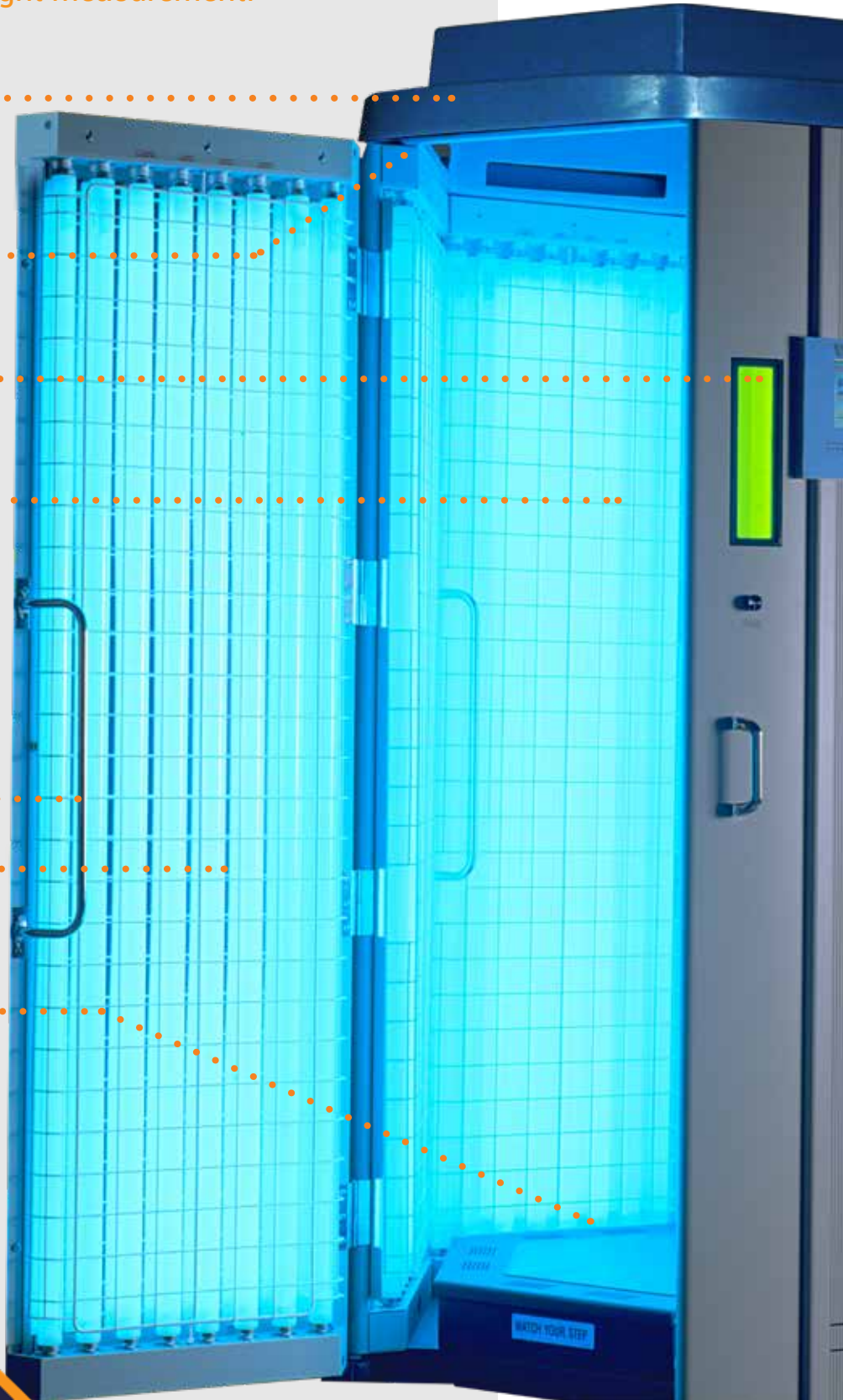
*Designed for maximum light output, the screens also protect the patient from accidental contact with the lamps.*

## Patient Ergonomics

*Exclusive perimeter flow ventilation for increased patient comfort.*

*Raised floor for proper treatment of lower legs.*

*Non-skid floor mat for patient safety.*



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## DermaSense® Technology:

Only HOUVA 4® has DermaSense®, 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® automatically controls UV energy, making conventional light meter readings unnecessary and assuring optimal treatment times. HOUVA 4® controls are designed to never fail in the “ON” position.

## TouchScreen Controlled:

The HOUVA 4® features an easy-to-read touchscreen controller that enables fast and easy setup.

The controller utilizes “watchdog” circuitry that shuts off the unit if a potential malfunction is detected - giving the prescriber peace of mind.

## Exterior Finish:

The exterior of HOUVA 4® is constructed of a durable mar and dent resistant material finished in a sophisticated gray color that will look great now and in the future.

## National Biological Makes Annual Recalibration Easy:

National Biological’s service team is here to help you and your clinic. Our highly trained and friendly team will ensure your clinic’s phototherapy devices are operating to their fullest potential, ensuring your office retains the highest patient throughput and most ROI on your device. Ask your National Biological representative about our service offerings today.

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## Trusted Phototherapy Solutions for Full-Body Clinical Treatments

### Three Lamp Configurations Available\*

#### UVB Configuration

UHU-318

• Equipped with 48 Narrowband UVB lamps

#### UVB/UVA Configuration

UHU-312

• Equipped with 24 Narrowband UVB lamps and 24 UVA lamps

#### UVA Configuration

UHU-314

• Equipped with 48 UVA lamps

#### UVA1 Configuration

UHU-314A

• Equipped with 48 UVA1 lamps

\*Other lamp configurations available on request.

National Biological uses only new Philips TL Brand Narrowband UVB Lamps

### SPECIFICATIONS

#### ELECTRICAL RATING:

- 208 VAC, 60 Hz
- 24 amperes per leg
- 10-foot, 4 conductor #10 AWG power cable included
- Optional international base 200/221/220/230/240 volts, 50/60 hertz

Note: A 30 amp disconnect switch should be located within 5 feet of the device. 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 CDMCAS
- National Biological Corp. is certified to ISO-13485

#### DIMENSIONS:

46" W x 49" D x 82" H

#### WARRANTY:

- All parts (excluding lamps) carry a 1-year, free replacement warranty. 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 4<sup>®</sup> 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



Depth: 49"

Approximate width with door open is 70"  
All products shipped F.O.B. Beachwood, OH.



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