# SPERTI VITAMIN D LAMP

Model: DUV-4F

## Owner's Manual

**KBD, Inc.**
4208 West Cheyenne Ave, Ste. 120
North Las Vegas, NV 89032
www.sperti.com

toll-free **1-800-544-3757**
local **702-473-9411**
fax **702-605-8174**
email **info@sperti.com**




**Contraindication:** This product is contraindicated for use on persons under the age of 22 years.

**Contraindication:** This product must not be used if skin lesions or open wounds are present.

**Warning:** This product should not be used on individuals who have had skin cancer or have a family history of skin cancer.

**Warning:** Persons repeatedly exposed to UV radiation should be regularly evaluated for skin cancer.

**The Sperti Vitamin D Lamp is intended to raise your Vitamin D levels.**

**Read All Directions Before Use!**

**Always wear protective eyewear during lamp operation.**

Revision 5 | June 1, 2026

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# KBD DUV-4F LAMP

The Sperti Vitamin D Sunlamp is intended to stimulate active sterols in the skin converting them to essential Vitamin D - known as the sunshine vitamin.

Patient is the intended operator of the Sperti Vitamin D Lamp. Do not service or perform maintenance while the lamp is in use.

**CAUTION:** Protect your eyes; wear protective eyewear. To avoid injury to eyes, protective eyewear (KBD, Inc. Cat. No. 31050A) must be worn by all persons in room during lamp operation. Read the instruction booklet before use.

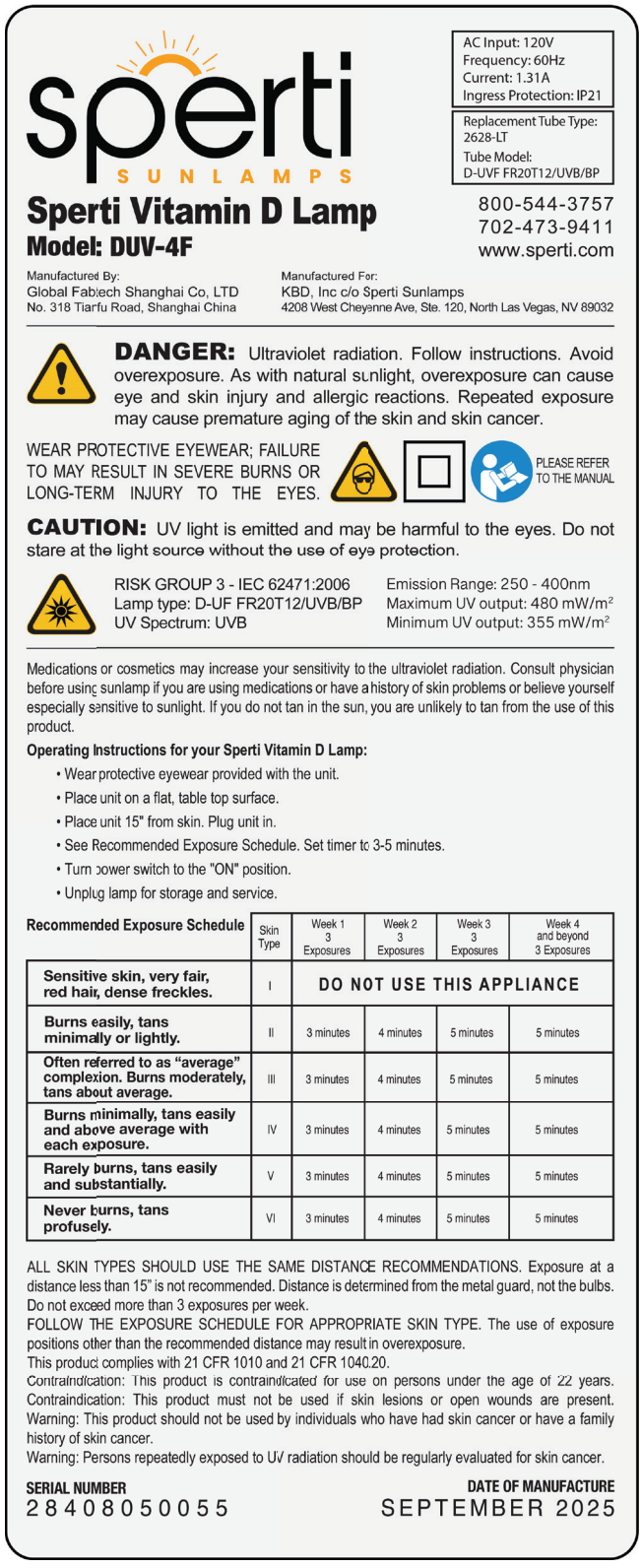
# LABELS AND SYMBOLS

| SYMBOL | MEANING |
|---|---|
| | General caution warning. Read all instructions and statements carefully before use. |
| CAUTION: UV light is emitted and may be harmful to the eyes. Do not stare at the light source without the use of eye protection. | |
| | RISK GROUP 3 - IEC 62471:2006<br>Lamp type: D-UF FR20T12/UVB/BP<br>UV Spectrum: UVB<br>Emission Range: 250 - 400nm<br>Maximum UV output: 480 mW/m$^2$<br>Minimum UV output: 355 mW/m$^2$ |
| | DANGER! RISK OF ELECTRIC SHOCK. |
| | PROTECTIVE EYEWEAR MUST BE WORN AT ALL TIMES WHILE OPERATING. FAILURE TO DO SO CAN RESULT IN PERMANENT DAMAGE TO THE EYES. |

| SYMBOL | MEANING |
|---|---|
| | Operating Instructions.<br>*consult operators manual* |
| | Class II equipment |
| ON | Power device on |
| OFF | Power device off |
| | Fragile |
| | Handle with care |
| IP21 | Ingress protection |

# LABELS AND SYMBOLS (CONTINUED)

## DEVICE LABELS



sperti
SUNLAMPS

AC Input: 120V
Frequency: 60Hz
Current: 1.31A
Ingress Protection: IP21

Replacement Tube Type:
2628-LT
Tube Model:
D-UVF FR20T12/UVB/BP

**Sperti Vitamin D Lamp**
**Model: DUV-4F**

800-544-3757
702-473-9411
www.sperti.com

Manufactured By:
Global Fabtech Shanghai Co, LTD
No. 318 Tiarfu Road, Shanghai China

Manufactured For:
KBD, Inc c/o Sperti Sunlamps
4208 West Cheyenne Ave, Ste. 120, North Las Vegas, NV 89032

**DANGER:** Ultraviolet radiation. Follow instructions. Avoid overexposure. As with natural sunlight, overexposure can cause eye and skin injury and allergic reactions. Repeated exposure may cause premature aging of the skin and skin cancer.

WEAR PROTECTIVE EYEWEAR; FAILURE TO MAY RESULT IN SEVERE BURNS OR LONG-TERM INJURY TO THE EYES.

PLEASE REFER TO THE MANUAL

**CAUTION:** UV light is emitted and may be harmful to the eyes. Do not stare at the light source without the use of eye protection.

RISK GROUP 3 - IEC 62471:2006
Lamp type: D-UF FR20T12/UVB/BP
UV Spectrum: UVB

Emission Range: 250 - 400nm
Maximum UV output: 480 mW/m²
Minimum UV output: 355 mW/m²

Medications or cosmetics may increase your sensitivity to the ultraviolet radiation. Consult physician before using sunlamp if you are using medications or have a history of skin problems or believe yourself especially sensitive to sunlight. If you do not tan in the sun, you are unlikely to tan from the use of this product.

**Operating Instructions for your Sperti Vitamin D Lamp:**

- Wear protective eyewear provided with the unit.
- Place unit on a flat, table top surface.
- Place unit 15" from skin. Plug unit in.
- See Recommended Exposure Schedule. Set timer to 3-5 minutes.
- Turn power switch to the "ON" position.
- Unplug lamp for storage and service.

**Recommended Exposure Schedule**

| Skin Type | Week 1 3 Exposures | Week 2 3 Exposures | Week 3 3 Exposures | Week 4 and beyond 3 Exposures |
|---|---|---|---|---|
| **Sensitive skin, very fair, red hair, dense freckles.** | I | **DO NOT USE THIS APPLIANCE** | | |
| **Burns easily, tans minimally or lightly.** | II | 3 minutes | 4 minutes | 5 minutes | 5 minutes |
| **Often referred to as "average" complexion. Burns moderately, tans about average.** | III | 3 minutes | 4 minutes | 5 minutes | 5 minutes |
| **Burns minimally, tans easily and above average with each exposure.** | IV | 3 minutes | 4 minutes | 5 minutes | 5 minutes |
| **Rarely burns, tans easily and substantially.** | V | 3 minutes | 4 minutes | 5 minutes | 5 minutes |
| **Never burns, tans profusely.** | VI | 3 minutes | 4 minutes | 5 minutes | 5 minutes |

ALL SKIN TYPES SHOULD USE THE SAME DISTANCE RECOMMENDATIONS. Exposure at a distance less than 15" is not recommended. Distance is determined from the metal guard, not the bulbs. Do not exceed more than 3 exposures per week.
FOLLOW THE EXPOSURE SCHEDULE FOR APPROPRIATE SKIN TYPE. The use of exposure positions other than the recommended distance may result in overexposure.
This product complies with 21 CFR 1010 and 21 CFR 1040.20.
Contraindication: This product is contraindicated for use on persons under the age of 22 years.
Contraindication: This product must not be used if skin lesions or open wounds are present.
Warning: This product should not be used by individuals who have had skin cancer or have a family history of skin cancer.
Warning: Persons repeatedly exposed to UV radiation should be regularly evaluated for skin cancer.

**SERIAL NUMBER**
28408050055

**DATE OF MANUFACTURE**
SEPTEMBER 2025

# PACKAGE CONTENTS

Before using your Sperti Vitamin D Lamp for the first time, please review your package to ensure it contains all of the items listed below. If you are missing an item, please contact customer support at 1-800-544-3757.



**DUV-4F**
Main unit.
(Sperti Vitamin D Lamp)



**User Manual & Warranty Card**
Download your digital copies at www.sperti.com



**Protective Safety Goggles (x2)**
Included are two pair of protective safety goggles



**Bulbs**
Custom DUV-4F bulbs are made exclusively for the Vitamin D Lamp, model DUV-4F.



**Power Cord**
Use only the power cord provided with your device



**Wire Lamp Guard**
Pre-assembled to the main unit (side view), protecting the custom bulbs

**Maintenance & Replacement Parts**

- Maintenance – the bulbs included in your Sperti Vitamin D Lamp have a life of 1,000 hours.
- Replacement parts for your Sperti Vitamin D Lamp can be purchased by calling our office at 800-544-3757 or visiting our website at www.sperti.com.
- Replacement parts available are: Power cord, UV protective eye wear, and bulbs.
- A copy of this user guide can also be downloaded directly from our website.

| SKIN TYPE | SKIN COLOR | AFTER SUN EXPOSURE |
|---|---|---|
| I | Pale white | Always burns - never tans |
| II | White to light beige | Burns easily - tans minimally |
| III | Beige | Burns moderately – tans gradually to light brown |
| IV | Light brown | Burns minimally - tans well to moderately brown |
| V | Moderate brown | Rarely burns - tans profusely to dark brown |
| VI | Dark brown or black | Never burns – tans profusely |
| **SKIN TYPE 1, HIGHLY SUN SENSITIVE PEOPLE (THOSE WHO ALWAYS BURN & NEVER TAN), SHOULD NOT USE THIS ULTRAVIOLET DEVICE.** | | |

**DANGER — Ultraviolet radiation.** Follow instructions. Avoid overexposure. As with natural sunlight, overexposure can cause eye and skin injury and allergic reactions. Repeated exposure may cause premature aging of the skin and skin cancer. **WEAR PROTECTIVE EYEWEAR; FAILURE TO MAY RESULT IN SEVERE BURNS OR LONG-TERM INJURY TO THE EYES.** Medications or cosmetics may increase your sensitivity to the ultraviolet radiation. Consult physician before using sunlamp if you are using medications or have a history of skin problems or believe yourself especially sensitive to sunlight. If you do not tan in the sun, you are unlikely to tan from the use of this product.

**ALWAYS WEAR THE PROTECTIVE EYEWEAR SUPPLIED WITH THE SPERTI VITAMIN D LAMP. IT IS MANDATORY TO WEAR THE EYEWEAR BEFORE STARTING THE UNIT.**

## EXPOSURE SCHEDULE *(Appliance warm up is not required)*

**RECOMMENDED EXPOSURE SCHEDULE:** Natural production of Vitamin D in the human body requires less exposure to ultraviolet rays than tanning or sun burning. To reduce the chance of unintended overexposure from this appliance and its ultraviolet rays, determine your skin type then follow the exposure schedule on the back label of the device.

**WEEK ONE** Exposure distance is 15 inches from wire guard to body surface (no closer) for a maximum of 3 minutes (no more than 3 times per week). You may expose different parts of your body. When you pick an area to expose, do not move or rotate for the length of the exposure. If redness occurs, stop using the unit until ALL redness disappears, usually 24-48 hours. Confirm recommended time and distance. Restart the initial exposure schedule. If redness returns after resuming exposures, skin may be too sensitive to use this ultraviolet device.

**WEEK TWO** Using the same distance (15 inches), increase exposure time to a maximum of 4 minutes (no more than 3 times per week). You may expose different parts of your body. When you pick an area to expose, do not move or rotate for the length of the exposure. If redness occurs, stop using the unit until ALL redness disappears. Then resume exposure 15 inches (no closer) for one week (as stated in Week One above) for a maximum of 3 minutes. Move to WEEK TWO schedule when skin allows with no further redness.

**WEEK THREE** Using the same distance (15 inches), increase exposure time to a maximum of 5 minutes (no more than 3 times per week). You may expose different parts of your body. When you pick an area to expose, do not move or rotate for the length of the exposure. If redness occurs, stop using the unit until ALL redness disappears. Then resume exposure at 15 inches (no closer) for one week (as stated in WEEK TWO) for a maximum of 4 minutes. Move to WEEK THREE schedule when skin allows with no further redness. After Week Three, continue to Week Four and beyond schedule using the device for no more than 5 minutes each time.

**The above schedule is recommended to acclimate the skin to the ultraviolet rays without erythema (redness). A maximum of 1 person may be exposed to the Sperti Vitamin D Lamp at the same time.**

# IMPORTANT SAFETY INFORMATION



## Before Use: Understanding Photosensitivity

- Photosensitivity is typically defined as a chemically induced alteration in the skin that makes a person more sensitive to light. Photosensitive reactions can fluctuate from mild to chronic depending on the sensitivity of the individual.

- Many medications and topical solutions can cause the skin to burn or break out in a rash when exposed to ultraviolet light. The substances may be encountered orally, topically, or subcutaneously, but it must be present when the skin is exposed to ultraviolet light. Photosensitizers may cause sunburn, rashes, itching, scaling or inflammation and act to decrease tolerance to ultraviolet light (TUVR) and, therefore, increase sensitivity to UVR (SUVR).

- There is a list of drugs and other substances known to cause photosensitivity on the next page. The items with the highest probability of causing a reaction are highlighted. The brand names of products should be considered only as examples; they do not represent all names under which the generic product may be sold.

- Check with your physician when you begin taking any medication while using the Sperti Vitamin D Lamp. If you are taking psoralen drugs, you may become extremely photosensitive and should only use the Sperti Vitamin D Lamp under physician supervision.

- An item which causes a severe reaction in one person may not cause but a minimal reaction in another person. Also an individual who experiences a photosensitive reaction on one occasion may not necessarily experience it again. Everyday items such as perfumes, soaps, artificial sweeteners, tattoos and certain foods may cause photosensitivity. They often cause photodermatitis, which is characterized by inflammation of the skin when exposed to ultraviolet light. Some of the new “tingle” products can cause photodermatitis and you should test them on a small area before using them. If you experience rashes and/or itching, you should consult your physician.

- Thoroughly review the “Substances That May Cause Photosensitivity” list and consult your physician prior to using the Sperti Vitamin D Lamp if you are taking any of the “high probability” items.

# IMPORTANT SAFETY INFORMATION (CONTINUED)

**The following health conditions can make usage hazardous**

- AIDS / HIV (*)
- Psoriasis
- Albinism
- Porphyria
- Dermatomyositis
- Related Allergies
- Prurigo Estivalis
- Rosacea
- Lichen Ruber
- Solar Urticaria
- Lung Tuberculosis
- Sun Poisoning
- Varix
- Melasma
- Vitiligo
- Lupus Erythematosus
- Photoallergic Eczema
- Xeroderma Pigmentosum
- Polymorphous Light Eruption
- (*)Human Immunodeficiency Virus

**The risk of photosensitivity is possible if you have one of the conditions listed above. Consult with your physician if you have one of these conditions before using the Sperti Vitamin D Lamp.**

# IMPORTANT SAFETY INFORMATION (CONTINUED)

## Substances That May Cause Photosensitivity

- **ANTIDEPRESSANTS**
  clomipramine (Anafranil), isocarboxazid (Marplan), maprotiline (Ludiomil), mirtazapine (Remeron), sertaline (Zoloft), TRICYCLIC AGENTS, eg.,Elavil, Asendin, Norpramin, Sinequan, Tofranil, Aventyl, Vivactil, Surmontil, venlafixine (Effexor)
- **ANTIHISTAMINES**
  astemizole (Hismanal), cetirizine (Zytec), cyproheptadine (Periactin), dimenhydrinate (Dramamine), diphenhydramine (Benadryl), hydroxyzine (Atarax, Vistaril), loratadine (Claritin), terfenadine (Seldane)
- **ANTIBIOTICS**
  azithromycin (Zithromax), griseofulvin (Fulvicin, Grisactin), ***nalidixic acid** (NegGram), QUINOLONES, eg., Cipro, Penetrex,, Levaquin, Floxin, ***Maxaquin**, Noroxin, ***Zagam sulfasalazine** (Azulfidine), ***SULFONAMIDES**, eg., Gantrisin, Bactrim, Septra, TETRACYCLINES, eg., ***Declomycin**, Vibramycin, Minocin, Terramycin
- **ANTIPARASITICS**
  ***bithionol** (Bitin), chloroquine (Aralen), mefloquine (Lariam), pyrvinium parnoate (Povan, Vanquin), quinine
- **ANTIPSYCHOTICS**
  chlorprothixene (Taractan, Tarasan), haloperiodol (Haldol)
- **CANCER CHEMOTHERAPY**
  ***dacarbazine** (DTIC), fluororacil (5-FU), methotrexate (Mexate), procarbazine (Matulane, Natulan), vinblastine (Velban, Belbe)
- **CARDIOVASCULARS** (see also Diuretics)
  **ACE INHIBITORS**, Capoten, Vasotec, Monapril, Accupril, Altace, Univasc, ***amiodarone** (Cordarone), diltiazem (Cardizem), disopyramide (Norpace), losartan (Hyzaar), lovastatin (Mevacor), nifedipine (Procardia), pravastin (Pravachol), quinidine (Quinaglute), simvastatin (Zocor), sotalol (Betapace)
- **DIURETICS** (see also Cardiovasculars)
  acetazolamide (Diamox), amiloride (Midamor), furosemide (Lasix), metolazone (Diulo, Zaroxolyn), ***THIAZIDES**, eg., HydroDiuril, Naturetin
- ***HYPOGLYCEMIC SULFONYLUREAS**
  acetohexamide (Dymelor), chlorpropamide (Diabinese), glimepiride (Amaryl), glipzide (Glucotrol), glyburide (Diabeta, Micronase), tolazamide (Tolinase), tolbutamide (Orinase)
- **NSAIDs**
  All nonsteroidal anti-inflammatory drugs, eg., ibuprofen (Motrin, Naproxen (Anaprox, Naproxyn), Orudis, Feldene, Voltaren, etc. The new NSAID agents include: etodolac (Lodine), nabumetone, (Relafen), oxaprozin (Daypro)
- **PHENOTHIAZINES**
  Compazine, Mellaril, Stelazine, Phenergan, Thorazine, risperidone (Risperdal), thiothixene (Navane)
- **SUNSCREENS**
  ***benzophenones** (Arimis, Clinique), cinnamates (Arimis, Estee Lauder), dioxbenzone (Solbar Plus), oxybenzone (Eclipse, Presun, Shade), PABA (PreSun), ***PABA esters**, (Block Out, Sea & Ski, Eclipse
- **MISCELLANEOUS**
  benzocaine, benzoyl peroxide (Oxy 10), carbamazepine (Tegretol), chlordiazepoxide (Librium), coal tar, eg., Tegrin, Zetar), **CONTRACEPTIVES**, oral estazolam (ProSom), ***etretinate** (Tegison), felbamate (Felbatol), gabapentin (Neurontin), gold salts (Myochrysine, Ridaura, Solganal), hexachlorophene (pHisoHex), hypericum (St. John's Wort), interferon beta-1b (Betaseron), ***isetretinoln** (Accutane), masoprocol (Actinex), olsalazine (Dipentun), ***PERFUME OILS**, eg., bergamot, citron, lavender, sandalwood, cedar, musk, ***PSORALENS**, selegiline (deprenyl, Eldepryl), ***tretinoin** (Retin-A, Vitamin A Acid), zolpidem (Ambien)

***Note**: Items with an asterisk (*) are shown in bold because they are more likely to cause photosensitivity reactions. Overall, the drugs listed above cause reactions in less than 1% of patients.*

# OPERATING INSTRUCTIONS

FOR YOUR KBD DUV-4F LAMP

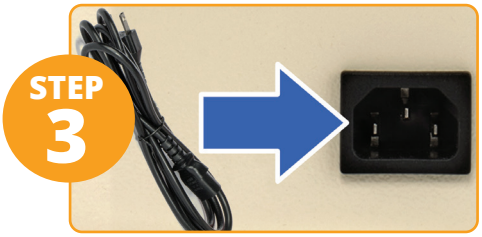
** Remove all packaging and foam before use*



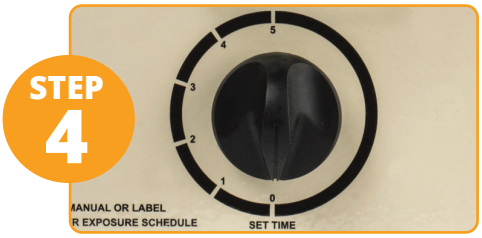

**Wear protective eyewear provided with unit.**




**Place unit on a flat, table top surface. Place unit so that wire guard is 15” (inches) from skin. It is recommended to expose unclothed skin while using the device.**




**Plug unit into a 120 volt (60Hz) power source. Do not position the device so that it is difficult to operate or disconnect.**




**Set the timer according to the Exposure Schedule on page 6.**

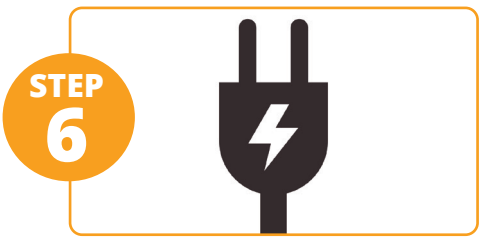
- **Week 1** - use no more than 3 minutes.
- **Week 2** - use no more than 4 minutes.
- **Week 3 and beyond** - use no more than 5 minutes.

**Do not exceed more than 3 exposures per week.*



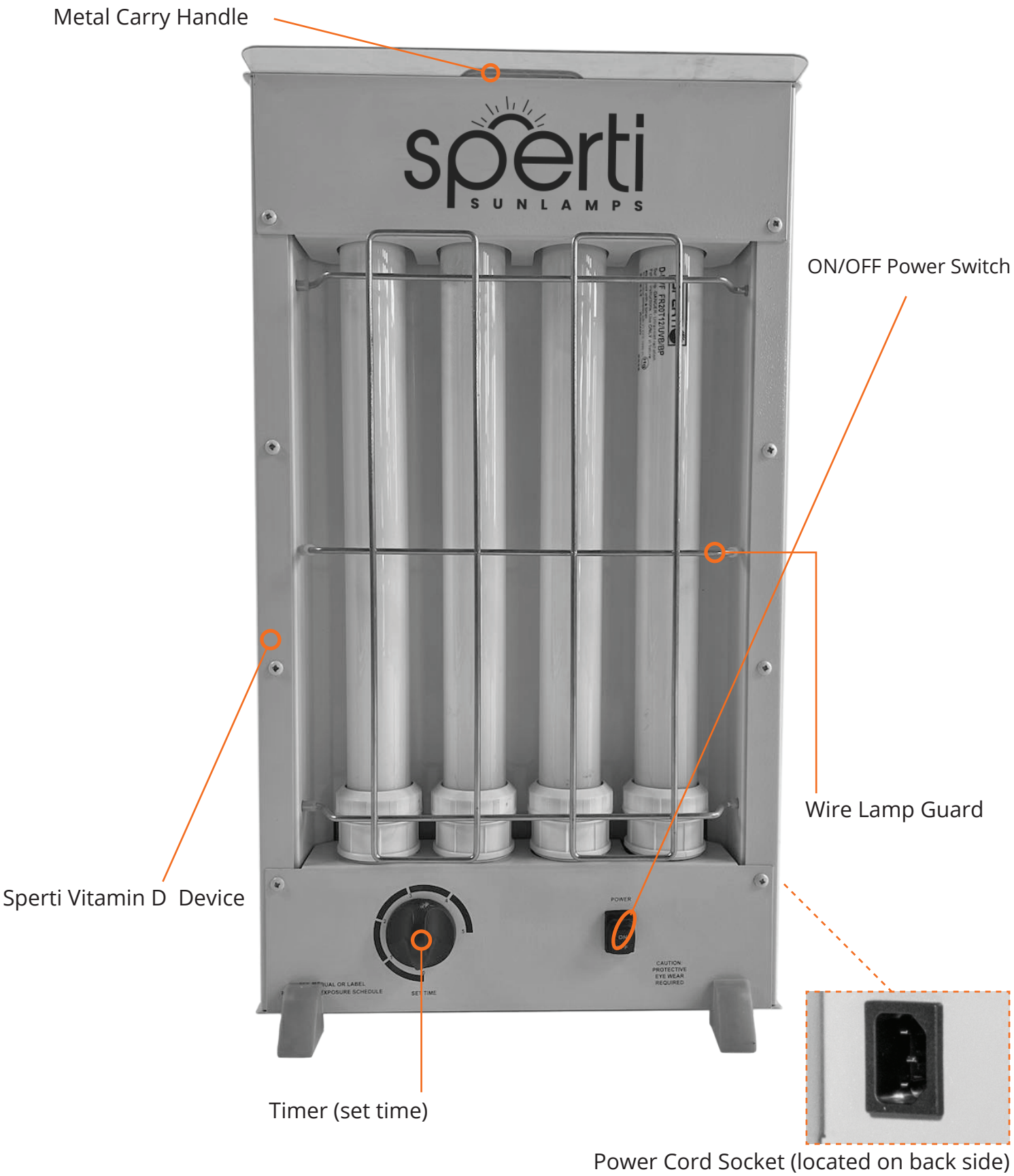

**Turn power switch to ‘ON’ position.**

**Important:** always remain 15” from the wire guard while using the device. Turn power switch to ‘OFF’ once timer finishes.




**Unplug lamp for storage and service.**

# PARTS DIAGRAM



# CARE INSTRUCTIONS

## Usage and Cleaning

*DANGER! RISK OF ELECTROCUTION*



- When using the Sperti Vitamin D Lamp, avoid spilling or pouring liquid into the device.
- **ALWAYS** unplug the power supply cord from the wall before cleaning.
- **KEEP AWAY** from water (including bath and shower). **DO NOT** drop or put the Sperti Vitamin D Lamp into water or other liquid.
- **DO NOT** reach for the Sperti Vitamin D Lamp if it has fallen in water or any liquids. **UNPLUG** immediately. Contact customer service at Sperti Sunlamps c/o KBD, Inc.
    - Wait for the Sperti Vitamin D Lamp to cool down for at least 15 minutes and come to room temperature.
    - Wipe the outside of the Sperti Vitamin D Lamp with a dry cloth.
    - Clean the protective goggles with a dry cloth.
- **NEVER USE** scouring pads and abrasive liquids such as scouring agents, petrol or acetone to clean the Sperti Vitamin D Lamp or the protective goggles.
- Lamps in device are fragile.  Avoid hitting or bumping them as this can cause them to break.

## Storage

*DANGER! RISK OF ELECTROCUTION*



- **ALWAYS** Unplug after each use.  The power cord is the main disconnect for removing power to this device.
- **Do not** place, store, or keep device where it can fall or be pushed into a tub, sink or any other vessel containing water.
- **KEEP** the power supply cord **AWAY** from heated surface.
- Unplug after use and allow the Sperti Vitamin D Lamp to cool down for at least 15 minutes and come to room temperature.
- When not in use, prevent dust and lint from entering the product.
- Store the device and all its parts in a cool dry place.
- Avoid extreme temperatures.
- Store away from sources of water.



**Note Regarding Lamp and/or Fuse Replacement Instructions:**

To replace the bulbs and/or fuse in your Sperti Vitamin D Lamp, please contact Sperti Sunlamps c/o KBD, Inc. for assistance.



**Modification of this device is not allowed.**

In the event of a repair, please contact Sperti Sunlamps c/o KBD, Inc. for circuit diagrams, component part lists, descriptions, and calibration instructions.

# SPECIFICATIONS - SPERTI VITAMIN D LAMP

| | |
|---|---|
| **Voltage** | 120V |
| **Power** | 150W |
| **Frequency** | 60Hz |
| **Current** | 1.31A |
| **Ballast** | IH2UNV270T8LNC |
| **Starter** | Included in ballast |
| **Fuse** | T 2A 250V~ |
| **Cord Length** | 7 feet |
| **Tube Length** | 14 1/4 inches |
| **Tube Type** | 2628-LT |
| **Tube Model** | D-UVF FR20T12/UVB/BP |
| **Safety Goggles** | 2 |
| **Lamps** | 4 |
| **Expected Life** | 1,000 bulb usage hours |
| **Weight** | 6350.50 grams (14 lbs) |
| **Device Dimensions** | 11 3/4 L x 4 1/2 W x 20 3/4 H (measured in inches) |
| **Treatment Area** | 330.2 $cm^2$ |
| **Ingress Protection** | IP21 |
| **Equipment Class** | Class II Medical Device |
| **Storage and Transport Condition** | • *Temperature: -10°C to 60°C / 50-106 kPa*<br>• *Relative humidity: 5%-95%* |
| **Operating Condition** | *Temperature Range: +5°C to +35°C at a non-condensing relative humidity up to 90%* |

**WARNING:**
- The Sperti Vitamin D Lamp should not be used in oxygen rich environments.
- Not intended for continuous operations.
- Not intended for use in electromagnetic environments.

# ELECTROMAGNETIC COMPATIBILITY

The Sperti Vitamin D Lamp needs special precautions regarding EMC and put into service according to the EMC information provided in the user manual; the Sperti Vitamin D Lamp conforms to this IEC 60601-1-11:2015 standard for both immunity and emissions. Nevertheless, special precautions need to be observed:

## WARNING

- Sperti Vitamin D Lamps are intended to be used in home healthcare environment.
- Use of Sperti Vitamin D Lamp adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, the Sperti Vitamin D Lamp and the other equipment should be observed to verify that they are operating normally.
- The use of accessories other than those specified or provided by the manufacturer of the Sperti Vitamin D Lamp could result in increased electromagnetic emissions or decreased electromagnetic immunity of this instrument and result in improper operation.
- Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the Sperti Vitamin D Lamp. Otherwise, degradation of the performance of the Sperti Vitamin D Lamp could result.

## EMI COMPLIANCE TABLE

Table 1: Emission

| Phenomenon | Compliance | Electromagnetic Environment |
|---|---|---|
| **RF emissions** | CISPR 11<br>Group 1, Class B | Home healthcare environment |

## **EMI COMPLIANCE TABLE** (continued)

Table 2: Enclosure Port

| Phenomenon | Basic EMC Standard | Immunity Test Levels |
|---|---|---|
| **Electrostatic Discharge** | IEC 61000-4-2 | ±8kV contact<br>±2kV, ±4kV, ±8kV, ±15kV air |
| **Radiated RF EM field** | IEC 61000-4-3 | 10V/m<br>80MHz-2.7GHz<br>80% AM at 1kHz |
| **Proximity fields from RF wireless communications equipment** | IEC 61000-4-3 | Refer to Table 3 |
| **Rated power frequency magnetic fields** | IEC 61000-4-B | 30A/m<br>50Hz or 60Hz |

Table 3: Proximity fields from RF wireless communications equipment

| Test Frequency (MHz) | Band (MHz) | Immunity Test Levels |
|---|---|---|
| **385** | 380-390 | Pulse modulation 18Hz, 27V/m |
| **450** | 430-470 | FM, ±5kHz deviation, 1kHz sine, 28V/m |
| **710** | 704-787 | Pulse modulation 217Hz, 9V/m |
| **745** | | |
| **780** | | |
| **810** | 800-960 | Pulse modulation 18Hz, 28V/m |
| **870** | | |
| **930** | | |
| **1720** | 1700-1990 | Pulse modulation 217Hz, 28V/m |
| **1845** | | |
| **1970** | | |
| **2450** | 2400-2570 | Pulse modulation 217Hz, 28V/m |
| **5240** | 5100-5800 | Pulse modulation 217Hz, 9V/m |
| **5500** | | |
| **5785** | | |

## **EMI COMPLIANCE TABLE** (continued)

Table 4: Input a.c. power port

| Phenomenon | Basic EMC Standard | Immunity Test Level: Home Healthcare environment |
|---|---|---|
| **Electrical fast transients / bursts** ~~a)~~ l) o) | IEC 61000-4-4 | ±2kV<br>100 kHz repetition frequency |
| **Surges** ~~a)~~ b) j) o)<br>**Line-to-line** | IEC 61000-4-5 | ±0.5 kV, ±1 kV |
| **Surges** ~~a)~~ b) j) k) o)<br>**Line-to-ground** | IEC 61000-4-5 | ±0.5 kV, ±1 kV , ±2 kV |
| **Conducted disturbances induced by RF fields** c) d) o) | IEC 61000-4-6 | 3 V m)<br>0.15 MHz - 80 MHz<br>6 V m) in ISM and amateur radio bands between 0.15 MHz and 80 MHz n)<br>80% AM at 1 kHz e) |
| **Voltage dips** f) p) r) | IEC 61000-4-11 | 0% $U_T$; 0.5 cycle g)<br>At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° q) |
| | | 0% $U_T$; 1 cycle<br>and<br>70% $U_T$; 25/30 cycles h)<br>Single phase: at 0° |
| **Voltage interruptions** f) i) o) ~~r)~~ | IEC 61000-4-11 | 0% $U_T$; 250/300 cycle h) |

# TROUBLESHOOTING INFORMATION

In the event that your Sperti Vitamin D Lamp device fails to perform as expected, the following suggestions will help to identify potential issues with the device and its setup. If you are unable to solve the problem with the information below, contact customer support at 1-800-544-3757.

| Problem | Possibility | Solution |
|---|---|---|
| **My Sperti Vitamin D Lamp will not turn on.** | There is no power going to the unit. | Check the power source. Confirm power is available and not controlled by a wall switch. |
| **My Sperti Vitamin D Lamp will not turn on.** | The power cord is not plugged in correctly. | Unplug and then replug the power cord into the back of the unit. Ensure there is a tight connection into the Sperti Vitamin D Lamp. |
| **My Sperti Vitamin D Lamp will not turn on.** | The timer has not been set. | Ensure the timer is set. Turn the switch to the On position. |
| **The light tubes are flashing when powered on.** | The light tubes need to be reignited. | Make sure the labels on the bulbs are facing forward. Set the timer to five minutes. Flip the On/Off switch repeatedly every 1-2 seconds consecutively 15 times. |



**DISPOSAL:** The lamps of this device contain substances that may pollute the environment. When you discard the lamps, do not throw them away with the normal household waste, but dispose of them at an official collection point. Do not throw the Sperti Vitamin D Lamp away with the normal household waste at the end of its life, but hand it in at an official collection point for recycling. By doing this you will help to preserve the environment. Please call your local recycling depot for locations and proper recycling instructions.

# User Assistance Information

***For assistance with your Sperti Vitamin D Lamp, please contact our customer service department at:***

**Sperti Sunlamps c/o KBD, Inc.**
4208 West Cheyenne Ave, Ste. 120
North Las Vegas, NV 89032

toll-free **800-544-3757**
local **702-473-9411**
fax **702-605-8174**
email **info@sperti.com**
website **www.sperti.com**

*The Sperti Vitamin D Lamp is manufactured by:*
Global FabTech c/o KBD, Inc. and Sperti Sunlamps
No. 318 Tianfu Road, Shanghai, China

# WARRANTY

We will replace any defective units that fail under normal indoor use of the Sperti Vitamin D Lamp for up to seven years after your purchase. UV bulbs have a one year warranty. For warranty issues, please contact our office at 800-544-3757 or info@sperti.com.

A warranty registration card is included with your Sperti Vitamin D Lamp. You must register the warranty of the device. This warranty covers the original purchaser only and does not cover commercial use.

## 60 Day, Money-Back Guarantee

The Sperti Vitamin D Lamp comes with a 60 day, money-back guarantee. If you don't love your lamp, simply return the lamp to us within 60 days of your purchase. Once we receive your lamp, we will refund 100% of your original purchase price. To obtain a return authorization and instructions on how to return the lamp, contact our office at 800-544-3757.




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