



PHILIPS

Phototherapy lamps

Your skin, our care

Not applicable for US. US customers are referred to the following brochure:
UVA and UVB lamp range brochure US version

A close-up, high-resolution portrait of a woman's face, focusing on her eyes and nose. She has dark hair and is looking directly at the camera with a neutral expression. The lighting is soft and even, highlighting the texture of her skin.

Established technology for **Phototherapy**

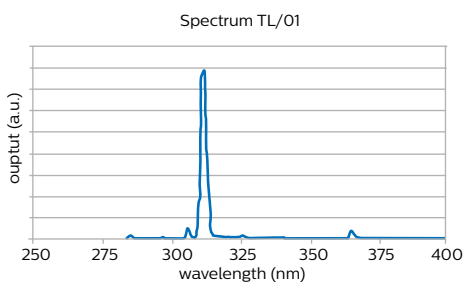
As the world's largest manufacturer of lighting products, Philips has applied its knowledge and experience to design a comprehensive range of highly effective lamps suitable to be used in Phototherapy systems lamps. These have been developed and tested in close cooperation with universities and clinics around the world. Insist on Phototherapy systems containing Philips lamps.

Philips UVB Narrowband (/01) Phototherapy lamps

More than 400 independent clinical studies have proven that the UVB Narrowband treatment is safer and more effective than any other treatment in its class. Lamps installed in such phototherapy treatment systems emit only a very narrow waveband from the 'B' bandwidth of the UV spectrum (290 to 315). Philips offers UVB Narrowband lamps (/01) with a waveband of between 305 and 315 nm which peaks at 311 nm. This makes these lamps very suitable for Clinical and Home UV-B Narrowband phototherapy systems which treat skin diseases such as psoriasis and vitiligo

Applications:

- Psoriasis
- Parapsoriasis
- Vitiligo
- Atopic Dermatitis
- Mycosis fungoides
- Other skin diseases



Philips TL with RDC cap (R17d)



Philips TL with bi-pin cap (G13)



Philips PL-S 9W (G23)



Philips PL-L 36W (2G11)

Features

Emission peak at 311nm

Narrowband

World wide tested in more than 400 clinical tests

Benefits

Minimum potential side effects like redness and itching


Shorter period of exposure and less erythema radiation than conventional UVB lamps

Proven technology

Philips UVB Narrowband (/01) Phototherapy lamps

| Lamp type | Output UVB (W) | Lamp Voltage | Lamp Current | Cap/base | Packaging Configuration MOQ | Product code | Order code (EU) |
|-------------------------------------|----------------|--------------|--------------|------------|-----------------------------|--------------|-----------------|
| Philips UVB Narrowband PL-S 9W/01 | 1.2 | 60 | 0.17 | G23 | 6x10 Box | 927901700121 | 86891680 |
| Philips UVB Narrowband PL-L 36W/01 | 5.6 | 106 | 0.43 | 2G11 | 25 | 927903400121 | 86889340 |
| Philips UVB Narrowband TL 20W/01 | 3.3 | 59 | 0.37 | G13 | 25 | 928010000130 | 96662373 |
| Philips UVB Narrowband TL 40W/01 | 8.5 | 104 | 0.43 | G13 | 25 | 928011300130 | 96662397 |
| Philips UVB Narrowband TL 100W/01 | 19.5 | 126 | 0.97 | RDC (R17d) | 10 | 928034900130 | 96662335 |
| Philips UVB Narrowband FS72 100W/01 | 19.5 | 126 | 0.97 | RDC (R17d) | 25 | 927978500130 | 96662359 |
| Philips UVB Narrowband TL 120W/01 | 20.0 | 132 | 1.11 | G13 | 25 | 928035200101 | 26483140 |

N.B.: Our UVB lamps are NOT registered with FDA as medical devices as they are NOT packaged or labeled for commercial distribution for health-related purposes. US customers are referred to the UVA and UVB lamp range brochure US version.

A close-up photograph of a person's skin, showing the back of their head and neck. A hand is resting on the skin, with fingers spread. The skin appears slightly red and irritated, particularly on the fingers and the neck area. The lighting is soft and natural, highlighting the texture of the skin and the hair.

Optimum **operation** conditions

We advise to warm the lamp at least 2 minutes to get stable output power. This is particularly important in case of short time irradiation.

We advise replace the lamps at indicated useful life for optimum UV radiation. Useful life is typically reached at 30-50% depreciation of output (depending on type).

We advise a burning-in time for new UV lamps of at least one hour to avoid the initial high UV output of the lamps and to allow uniform radiation over the lamp length.

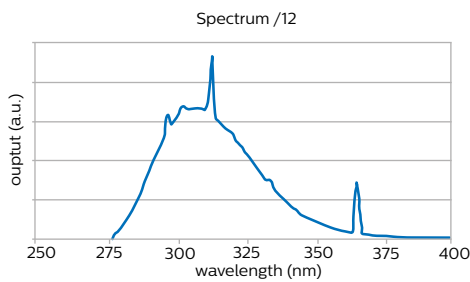
Philips UVB Broadband (/12)

Phototherapy lamps

The UVB Broadband lamps emit radiation in the full 'B' bandwidth of the UV spectrum (280-320 nm) and are therefore suitable for phototherapy systems designed to treat skin diseases such as psoriasis.

Applications:

- Psoriasis
- Parapsoriasis
- Vitiligo
- Atopic Dermatitis
- Mycosis fungoides
- Other skin diseases



Philips TL with RDC cap (R17d)



Philips TL with bi-pin cap (G13)



Philips PL-S 9W (G23)

Features

Emission range from 280-350 nm

Benefits

Can be administered with or without photosensitizing agent

Philips UVB Narrowband (/01) Phototherapy lamps

| Lamp type | Output UVB (W) | Lamp Voltage | Lamp Current | Cap/base | Packaging Configuration MOQ | Product code | Order code (EU) |
|----------------------------------|----------------|--------------|--------------|------------|-----------------------------|--------------|-----------------|
| Philips UVB Broadband TL 20W/12 | 2.4 | 59 | 0.37 | G13 | 25 | 928010001230 | 96662434 |
| Philips UVB Broadband TL 40W/12 | 6.3 | 104 | 0.43 | G13 | 25 | 928011301230 | 96662458 |
| Philips UVB Broadband TL 100W/12 | 14.3 | 126 | 0.97 | RDC (R17d) | 25 | 928034901230 | 96662410 |



Protective **measures**

As with natural sunlight, UV-therapy increases the risk of skin cancer, can cause erythema (sunburn), conjunctivitis (snow blindness) and cataract of the eye.

Chronic blue light exposure can damage the retina. Patients should always wear protective eye-wear. Therapy equipment must be screened off to ensure safe operation by service personnel.

Phototherapy equipment must be provided with a timer in order to control the UV dose.

Philips UVB therapy lamps (/01 and /12) are sold through distributors who agree to sell these lamps only for regulated phototherapy system.

The lamps should only be used for the treatment of Psoriasis under doctor supervision.

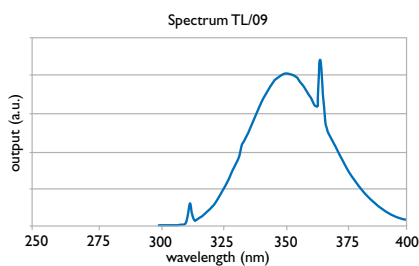
Philips UVA (/09)

Phototherapy lamps (PUVA)

Some patients do not respond to UVB treatment. In these cases UV lamp with an 'A' bandwidth of the UV spectrum is used. This (PUVA) lamp has a wavelength of 315 to 380 nm and is in addition to the treatment of psoriasis also commonly used for more than 20 other diseases. Philips offers UVA lamps in TL, PL-S and PL-L versions suitable to be used in Phototherapy systems treating with such wavelength.

Applications:

- Psoriasis
- Parapsoriasis
- Vitiligo
- Atopic Dermatitis
- Mycosis fungoides



Philips TL with bi-pin cap (G13)



Philips PL-S 9W (G23)



Philips PL-L 36W (2G11)

Features

Emission peak at 350 nm

Benefits

Optimal spectrum for PUVA therapy

Philips UVA (/09) Phototherapy lamps

| Lamp type | Output UVA (W) | Lamp Voltage | Lamp Current | Cap/base | Packaging Configuration MOQ | Product code | Order code (EU) |
|----------------------|----------------|--------------|--------------|----------|-----------------------------|--------------|-----------------|
| Philips PL-L UVA 36W | 8.0 | 106 | 0.435 | 2G11 | 25 | 927903400907 | 61410040 |
| Philips TL UVA 100W | 28.5 | 125 | 0.94 | G13 | 25 | 928004320930 | 66624960 |



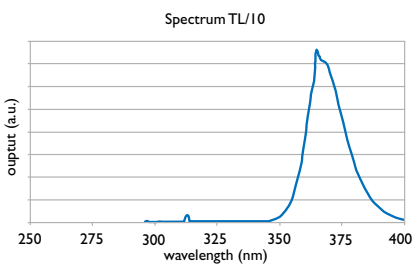
Philips UVA-1 (/10)

Phototherapy lamps

For some conditions and some patients UVA-1 is a better spectrum, particularly for treatment of eczema. Philips offers UVA-1 lamps in TL, PL-S and PL-L versions.

Applications:

- Atopic dermatitis
- Mycosis fungoides



Philips TL with bi-pin cap (G13)



Philips PL-S 9W (G23)



Philips PL-L 36W (2G11)

Features

Emission peak at 368 nm

Benefits

Less erythema

Philips UVA-1 (/10) Phototherapy lamps

| Lamp type | Output UVA (W) | Lamp Voltage | Lamp Current | Cap/ base | Packaging Configuration MOQ | Product code | Order code (EU) |
|-----------------------|----------------|--------------|--------------|-----------|-----------------------------|--------------|-----------------|
| Philips PL-S 9W UVA-1 | 1.95 | 60 | 0.17 | G13 | 6x10 box | 928001721014 | 92988100 |



Philips Jaundice (/52)

Phototherapy lamps

By emitting light almost entirely within the 400 to 500 nm bandwidth and peaking at 450 nm, Philips /52 lamps have no radiation from the short wave UVB waveband. They are therefore very suitable to be used in Phototherapy systems treating new born babies suffering from hyperbilirubinemia (neonatal jaundice) and Crigler-Najjar Syndrome (CNS). This highly efficacious phototherapy treatment has eliminated the need for blood transfusions in almost all jaundiced infants

Applications:

- Medical treatment of jaundice in new-born babies (hyperbilirubinemia)
- Crigler - Najjar (CN) syndrome



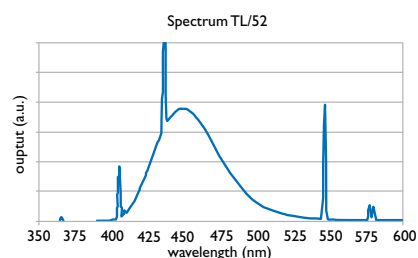
Philips TL-D (G13)



Philips TL with bi-pin cap (G13)



Philips PL-S 9W (2G11)



Philips PL-L 18W/52/4P (2G11)

Features

Emission peak at 450 nm

Benefits

Optimal spectrum for photo-oxidative process to convert unconjugated bilirubin into a watersoluble form

Philips Jaundice (/52) Phototherapy lamps

| Lamp type | Output (lm) | Lamp Voltage | Lamp Current | Cap/base | Packaging Configuration MOQ | Product code | Order code (EU) |
|---------------------|-------------|--------------|--------------|----------|-----------------------------|--------------|-----------------|
| Philips PL-L 18W/52 | 360 | 57 | 0.375 | 2G11 | 25 | 927904105206 | 80517800 |
| Philips TL 20W/52 | 340 | 59 | 0.37 | G13 | 25 | 928003505203 | 64302540 |
| Philips TL-D 18W/52 | 395 | 59 | 0.36 | G13 | 25 | 928048005211 | 83485700 |
| Philips PL-S 9W/52 | 130 | 60 | 0.17 | G13 | 6x10 box | 927901705203 | 64471880 |

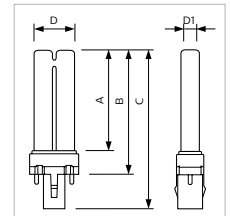
Product dimensions

| Lamp type | A max | B min | C max | D max | D1 max |
|-----------------|-------|-------|-------|-------|--------|
| Philips PL-S 9W | 128.8 | 144.5 | 167.0 | 28.0 | 13.0 |

Dimensions in mm



Philips PL-S 9W

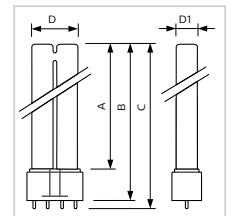


Philips PL-S 9W

| Lamp type | A max | B min | C max | D max | D1 max |
|------------------|-------|-------|-------|-------|--------|
| Philips PL-L 36W | 384.2 | 410.0 | 416.6 | 39.0 | 18.0 |



Philips PL-L 36W

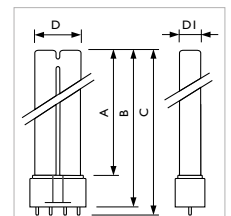


Philips PL-L 36W

| Lamp type | A max | B min | C max | D max | D1 max |
|---------------------------|-------|-------|-------|-------|--------|
| Philips UV PL-L 18W/52 4P | 188.2 | 214.0 | 220.6 | 39.0 | 18.0 |



Philips PL-L 18W/52/4P



Philips 18W/52/4P

Product dimensions

| Lamp type | A max | B min | B max | C max | D max |
|--|--------|--------|--------|--------|-------|
| UVB Narrowband (/01) Phototherapy lamps | | | | | |
| Philips TL 20W/01 | 589.8 | 594.5 | 596.9 | 604 | 40.5 |
| Philips TL 40W/01 | 1199.4 | 1204.1 | 1206.5 | 1213.6 | 40.5 |
| Philips TL 100W/01 RDC | 1763.8 | 1768.5 | 1770.9 | 1782.2 | 40.5 |
| Philips TL 100W/01-F72 RDC | 1755.7 | 1760.4 | 1762.8 | 1774.6 | 40.5 |
| Philips TL 120W/01 | 2000 | 2004.7 | 2007.1 | 2014.2 | 40.5 |

| Lamp type | A max | B min | B max | C max | D max |
|---|--------|--------|--------|--------|-------|
| UVB Broadband (/12) Phototherapy lamps | | | | | |
| Philips TL 20W/12 | 589.8 | 594.5 | 596.9 | 604 | 40.5 |
| Philips TL 40W/12 | 1199.4 | 1204.1 | 1206.5 | 1213.6 | 40.5 |
| Philips TL 100W/12 RDC | 1763.8 | 1768.5 | 1770.9 | 1782.2 | 40.5 |

| Lamp type | A max | B min | B max | C max | D max |
|--|-------|-------|-------|-------|-------|
| Jaundice (/52) Phototherapy lamps | | | | | |
| Philips TL 20W/52 | 589.8 | 594.5 | 596.9 | 604 | 40.5 |
| Philips TLD 18W/52 | 589.8 | 594.5 | 596.9 | 604 | 28 |

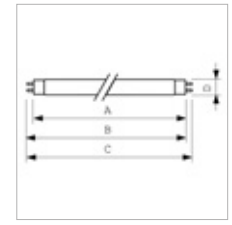
| Lamp type | A max | B min | B max | C max | D max |
|-------------------------------------|--------|--------|--------|--------|-------|
| UVA (/09) Phototherapy lamps | | | | | |
| Philips PL-L UV-A 36W | 384.2 | 410.0 | 416.6 | 39.0 | 18.0 |
| Philips TL UVA 100W | 1763.8 | 1768.5 | 1770.9 | 1782.2 | 40.5 |

| Lamp type | A max | B min | B max | C max | D max |
|--------------------------------------|-------|-------|-------|-------|-------|
| UVA 1(/10) Phototherapy lamps | | | | | |
| Philips PL-S 9W UVA-1 | 128.8 | 144.5 | 167.0 | 28.0 | 13.0 |

Note: For (/09), Philips also has other lamp wattages commercially available and can be provided on request for manufacturers or for trial purposes.



Philips TL-D (G13)



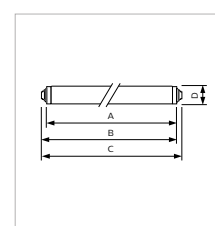
Philips TL-D (G13)



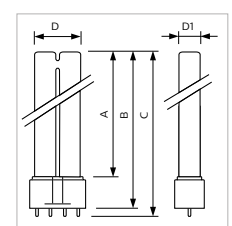
Philips TL with RDC cap (R17d)



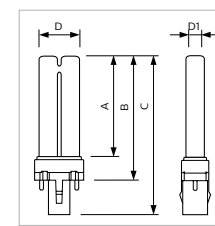
Philips TL with bi-pin cap (G13)



Dimensions with RDC cap (R17d)



Philips PL-L 36W



Philips PL-S 9W

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