



PHILIPS

Phototherapy lamps

**Your skin,
our care**

A close-up, high-resolution portrait of a woman's face, focusing on her eyes, nose, and lips. 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**

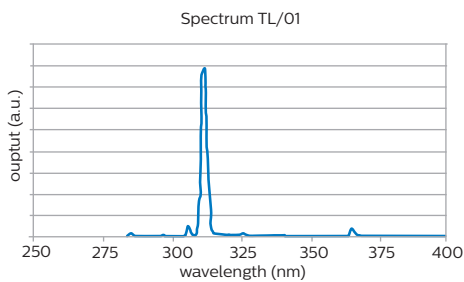
As the world's largest manufacturer of lighting products, Philips has applied its knowledge and experience to design a comprehensive range of highly effective Phototherapy lamps. These have been developed and tested in close cooperation with universities and clinics around the world. Insist on Philips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

Philips UVB Narrowband (/01) Phototherapy lamps

The UVB Narrowband (/01) low-pressure fluorescent Phototherapy lamps are effective lamps for the treatment of Psoriasis. Philips introduced the very first UVB lamps and we've continued to develop and improve them for the last 20 years. Our application laboratory carries out research in close cooperation with universities all over the world. Based on this unmatched combination of experience and knowledge, Philips Lighting can offer the best advice to equipment manufacturers.

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

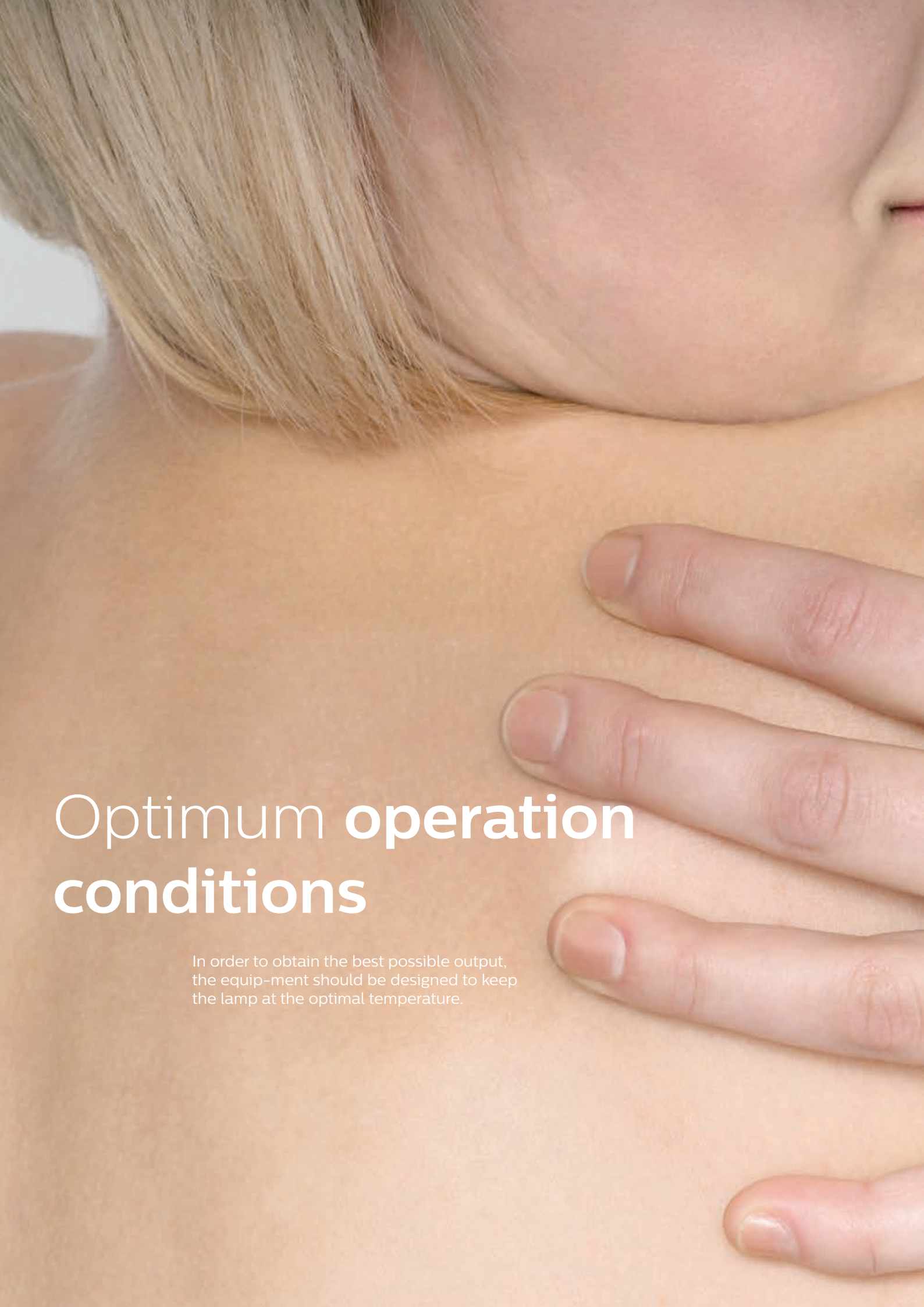
Minimum potential side effects like redness and itching

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 | 6 x10 Box | 9279 017 001 21 | 86891680 |
| Philips UVB Narrowband PL-L 36W/01 | 5.6 | 106 | 0.43 | 2G11 | 25 | 9279 034 001 21 | 86889340 |
| Philips UVB Narrowband TL 20W/01 | 3.3 | 59 | 0.37 | G13 | 25 | 9280 100 001 01 | 63974540 |
| Philips UVB Narrowband TL 40W/01 | 8.5 | 104 | 0.43 | G13 | 25 | 9280 113 001 01 | 26474940 |
| Philips UVB Narrowband TL 100W/01 | 19.5 | 126 | 0.97 | RDC (R17d) | 10 | 9280 349 001 29 | 61425425 |
| Philips UVB Narrowband FS72 100W/01 | 19.5 | 126 | 0.97 | RDC (R17d) | 25 | 9279 785 001 29 | 26327840 |
| Philips UVB Narrowband TL 120W/01 | 20.0 | 132 | 1.11 | G13 | 25 | 9280 352 001 01 | 26483140 |

A close-up photograph of a person's neck and shoulder. The person has light-colored hair and their head is tilted down. A hand with light-colored skin is resting on the person's shoulder, with fingers spread. The background is a soft, out-of-focus light color.

Optimum **operation** conditions

In order to obtain the best possible output,
the equip-ment should be designed to keep
the lamp at the optimal temperature.

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.



Philips TL with RDC cap (R17d)



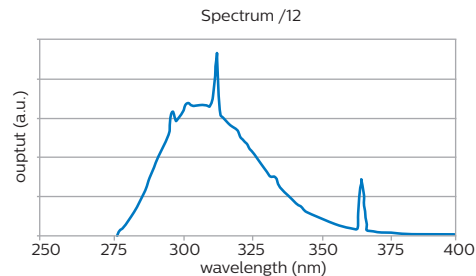
Philips TL with bi-pin cap (G13)



Philips PL-S 9W (G23)

Applications:

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



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 PL-S 9W/12 | 0.8 | 60 | 0.17 | G23 | 6x10 Box | 9279 017 012 07 | 62625780 |
| Philips UVB Broadband TL 20W/12 | 2.4 | 59 | 0.37 | G13 | 25 | 9280 100 012 01 | 62883140 |
| Philips UVB Broadband TL 40W/12 | 6.3 | 104 | 0.43 | G13 | 25 | 9280 113 012 01 | 62886240 |
| Philips UVB Broadband TL 100W/12 | 14.3 | 126 | 0.97 | RDC (R17d) | 25 | 9280 349 012 29 | 61428525 |



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 as medical lamps.

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, PLS and PLL versions.



Philips TL with bi-pin cap (G13)



Philips PL-S 9W (G23)

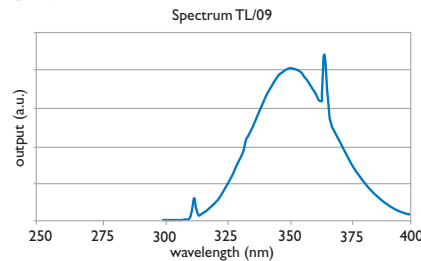


Philips PL-L 36W (2G11)

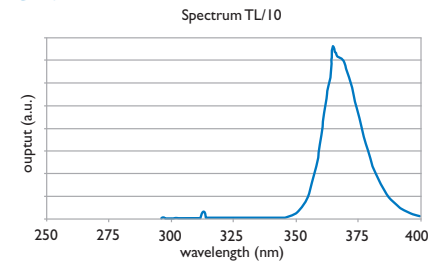
Applications:

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

graph 1



graph 2



Features

Emission peak at 350 nm

Benefits

Optimal spectrum for PUVA therapy

Philips UVA (/09) Phototherapy lamps (graph 1)

| 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 | 9279 034 009 07 | 61410040 |
| Philips TL-K UVA 40W | 7.8 | 50 | 0.86 | G13 | 25 | 9280 031 209 12 | 62830540 |
| Philips TL UVA 100W | 28.5 | 125 | 0.94 | G13 | 25 | 9280 043 209 07 | 26877840 |
| Philips TL UVA 100W-R | 27.5 | 125 | 0.94 | G13 | 25 | 9280 057 209 12 | 62838140 |

Philips UVA-1 (/10) Phototherapy lamps (graph 2)

| Lamp type | Output UVA (W) | Lamp Voltage | Lamp Current | Cap/ base | Packaging Configuration MOQ | Product code | Order code (EU) |
|--------------------------|----------------|--------------|--------------|-----------|-----------------------------|-----------------|-----------------|
| Philips TL-K UVA-1 40W-R | 8.0 | 50 | 0.86 | G13 | 25 | 9280 041 010 12 | 61223640 |
| Philips TL UVA-1 100W-R | 28.0 | 126 | 0.94 | G13 | 25 | 9280 069 010 12 | 61281640 |
| Philips PL-S 9W UVA-1 | 1.95 | 60 | 0.17 | G13 | 6x10 box | 9280 017 210 14 | 92988100 |
| Philips PL-L 36W UVA-1 | 8.5 | 106 | 0.435 | 2G11 | 25 | 9279 034 210 14 | 84160200 |



Philips Jaundice (/52)

Phototherapy lamps

By emitting light almost entirely within the 400 to 500 nm bandwidth these Medical Therapy Jaundice /52 lamps have no radiation in the UV range. They are therefore ideal for treating new born babies suffering from hyperbilirubinemia (neonatal jaundice) and Crigler-Najjar Syndrome (CNS). Moreover, the bandwidth of these lamps peak at the most effective treatment wavelength of 450 nm. 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



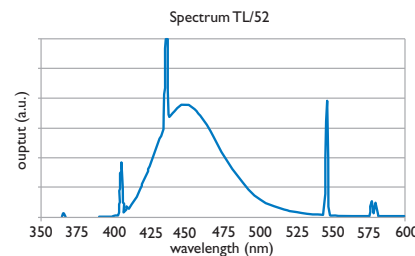
Philips TL-D (G13)



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 | 9279 041 052 06 | 80517800 |
| Philips TL 20W/52 | 340 | 59 | 0.37 | G13 | 25 | 9280 035 052 03 | 64302540 |
| Philips TL-D 18W/52 | 395 | 59 | 0.36 | G13 | 25 | 9280 480 052 11 | 83485700 |
| Philips PL-S 9W/52 | 130 | 60 | 0.17 | G13 | 6x10 box | 9279 017 052 03 | 64471880 |

Philips Lumino therapy lamps for treating Seasonal Affective Disorder (SAD), also known as “winterblues”

| Lamp type | Output (lm) | Lamp Voltage | Lamp Current | Cap/ base | Packaging Configuration MOQ | Product code | Order code (EU) |
|--------------------------|-------------|--------------|--------------|-----------|-----------------------------|-----------------|-----------------|
| Philips PL-L 36W/953/4p* | 2350 | 106 | 0.43 | 2G11 | 25 | 9279 034 953 01 | 64410740 |

* For treatment of Seasonal Affective Disorder (SAD)

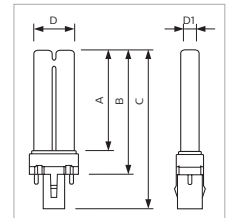
Product dimensions

| 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

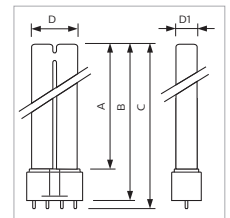


Philips PL-S 9W

| 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

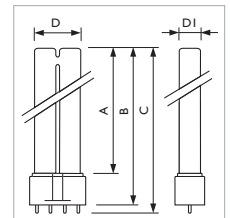


Philips PL-L 36W

| 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 |

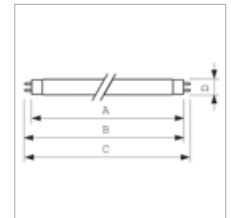
| Lamp type | A max | B min | B max | C max | D max |
|-------------------------------------|--------|--------|--------|-------|-------|
| UVA (/09) Phototherapy lamps | | | | | |
| Philips TL-K UVA 40W | 589.8 | 594.5 | 596.9 | 604 | 40.5 |
| Philips TL 100W/09-R | 1763.8 | 1768.5 | 1770.9 | 1778 | 40.5 |

| Lamp type | A max | B min | B max | C max | D max |
|---------------------------------------|--------|--------|--------|-------|-------|
| UVA-1 (/10) Phototherapy lamps | | | | | |
| Philips TLK 40W/10 R | 589.8 | 594.5 | 596.9 | 604 | 40.5 |
| Philips TL 100W/10 R | 1763.8 | 1768.5 | 1770.9 | 1778 | 40.5 |

Note: For (/09) and (/10), Philips also has other lamp wattages commercially available and can be provided on request for manufacturers or for trial purposes.



Philips TL-D (G13)



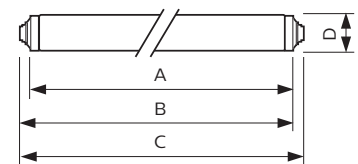
Philips TL-D (G13)



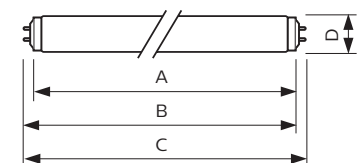
Philips TL with RDC cap (R17d)



Philips TL with bi-pin cap (G13)



Dimensions with RDC cap (R17d)



Dimensions with bi-pin cap (G13)

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