



# Philips lamps for Phototherapy treatment

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**PHILIPS**  
sense and simplicity

# Philips UVB Narrowband (/01) Phototherapy lamps

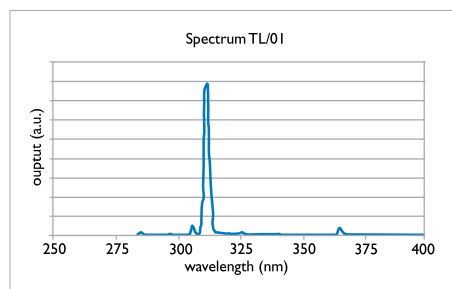
The UVB Narrowband (/01) low-pressure fluorescent Phototherapy lamps are proven to be the most effective lamps for the treatment of skin diseases compared with other lamps in their class. Not only did we introduce the very first UVB lamps, we've also continued to develop and improve them for the last 20 years. Our application laboratory carries out research in close cooperation with universities all over the world. More than 400 independent clinical studies\* have proven that Philips UVB Narrowband Phototherapy lamps are the most effective lamps currently available for the treatment of Psoriasis, Vitiligo and other skin diseases.

\*reference available at [www.philips.com/phototherapy](http://www.philips.com/phototherapy)

Based on this unmatched combination of experience and knowledge, Philips Lighting can offer the best advice to equipment manufacturers.

## Can be used for the treatment of:

- 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  
(2G11)

| Features   | Benefits   |
|--|--|
| Emission peak at 311nm                           | Minimum side effects like redness, itching and burns                               |
| Narrowband                                       | Shorter period of exposure and less erythral radiation than conventional UVB lamps |
| Worldwide tested in more than 400 clinical tests | Proven to be the most effective lamps in their class                               |

## Philips UVB Narrowband (/01) Phototherapy lamps

| Lamp type                             | Product code    | Output UVB (W) | Lamp Voltage | Lamp Current | Cap/ base | Packaging Configuration MOQ | Order code (Europe) 8711500... | Order code (USA) |
|---------------------------------------|-----------------|----------------|--------------|--------------|-----------|-----------------------------|--------------------------------|------------------|
| Philips UVB Narrowband PL-S 9W/01     | 9279 017 001 21 | 1.2            | 60           | 0.17         | G23       | 6x10 Box                    | 86891680                       | 392027           |
| Philips UVB Narrowband PL-L 36W/01    | 9279 034 001 21 | 6.2            | 106          | 0.43         | 2G11      | 25                          | 86889340                       | 195239           |
| Philips UVB Narrowband TL 20W/01      | 9280 100 001 01 | 2.3            | 57           | 0.37         | G13       | 25                          | 63974540                       | 381723           |
| Philips UVB Narrowband TL 40W/01      | 9280 113 001 01 | 4.6            | 104          | 0.43         | G13       | 25                          | 26474940                       | 158089           |
| Philips UVB Narrowband TL 100W/01     | 9280 349 001 29 | 17.7           | 126          | 0.97         | R17d      | 10                          | 61425425                       | 312769           |
| Philips UVB Narrowband TL F72 100W/01 | 9279 785 001 29 | 17.7           | 126          | 0.97         | R17d      | 25                          | 26327840                       | 131706           |
| Philips UVB Narrowband TL F79 120W/01 | 9280 352 001 01 | 19.7           | 123          | 1.11         | G13       | 25                          | 26483140                       | NA               |

# Philips UVB Broadband (/12) Phototherapy lamps

Philips (/12) low-pressure fluorescent lamps are Broadband UVB lamps (290–320 nm) commonly used to treat many skin conditions and other inflammatory skin disorders. Phototherapy treatment with Broadband UVB may be administered with or without medications.

## Can be used for the treatment of:

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



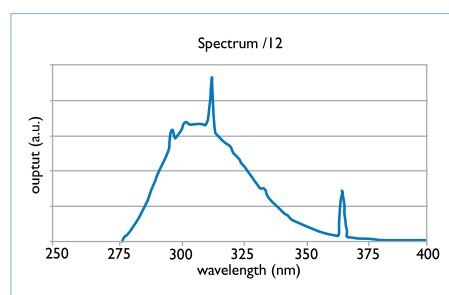
Philips TL with RDC cap  
(R17d)



Philips TL with bi-pin cap  
(G13)



Philips PL-S 9W  
(2G11)



## Philips UVB Broadband (/12) Phototherapy lamps

| Lamp type                            | Product code    | Output UVB (W) | Lamp Voltage | Lamp Current | Cap/ base | Packaging Configuration MOQ | Order code (Europe) 8711500... | Order code (USA) |
|--------------------------------------|-----------------|----------------|--------------|--------------|-----------|-----------------------------|--------------------------------|------------------|
| Philips UVB Broadband PL-S 9W/12     | 9279 017 012 07 | 1.2            | 60           | 0.17         | G23       | 6 x10 Box                   | 62625780                       | 392035           |
| Philips UVB Broadband TL 20W/12      | 9280 100 012 01 | 2.1            | 57           | 0.37         | G13       | 25                          | 62883140                       | 218024           |
| Philips UVB Broadband TL 40W/12      | 9280 113 012 01 | 4.7            | 104          | 0.43         | G13       | 25                          | 62886240                       | 218040           |
| Philips UVB Broadband TL 100W/12     | 9280 349 012 29 | 12.7           | 126          | 0.97         | R17d      | 25                          | 61428525                       | 262675           |
| Philips UVB Broadband TL F72 100W/12 | 9279 785 012 29 | 12.7           | 126          | 0.97         | R17d      | 25                          | 26670540                       | 215541           |

# Philips UVA (/09) and UVA-I (/10) Phototherapy lamps

Philips UVA (/09) lamps emit radiation over the whole UVA part of the spectrum (315-400 nm). Philips UVA-I (/10) lamps emit radiation in a limited part of the UVA range. In PUVA-therapy these lamps are used in combination with Photosensitizers (for example Psoralenes) for the treatment of Psoriasis. Treatment with PUVA remains the standard for patients with high PASI scores who do not respond or whose psoriasis cannot be controlled adequately by UVB.

## Can be used for the treatment of:

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



Philips TL with RDC cap (R17d)

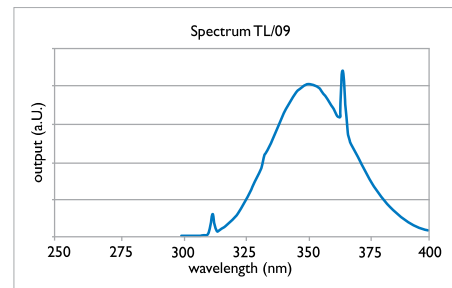


Philips TL with bi-pin cap (G13)

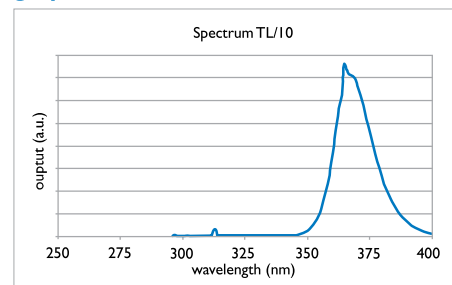


Philips PL-L 36W (2G11)

graph 1



graph 2



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

| Lamp type             | Product code    | Output UVB (W) | Lamp Voltage | Lamp Current | Cap/ base | Packaging Configuration MOQ | Order code (Europe) 8711500... | Order code (USA) |
|-----------------------|-----------------|----------------|--------------|--------------|-----------|-----------------------------|--------------------------------|------------------|
| Philips PL-L UVA 36W  | 9279 034 009 07 | 8.0            | 106          | 0.43         | 2G11      | 25                          | 61410040                       | 274175           |
| Philips TL-K UVA 40W  | 9280 031 209 12 | 8.6            | 50           | 0.86         | G13       | 25                          | 62830540                       | NA               |
| Philips TL UVA 100W   | 9280 043 209 07 | 30.7           | 126          | 0.97         | G13       | 25                          | 26877840                       | NA               |
| Philips TL UVA 100W-R | 9280 057 209 12 | 28.3           | 126          | 0.97         | G13       | 25                          | 62838140                       | NA               |
| Philips TL UVA 120W   | 9280 042 209 07 | 33.3           | 123          | 1.11         | G13       | 25                          | 26883940                       | NA               |

## Philips UVA-I (/10) Phototherapy lamps (graph 2)

| Lamp type               | Product code    | Output UVB (W) | Lamp Voltage | Lamp Current | Cap/ base | Packaging Configuration MOQ | Order code (Europe) 8711500... | Order code (USA) |
|-------------------------|-----------------|----------------|--------------|--------------|-----------|-----------------------------|--------------------------------|------------------|
| Philips TL-K UVA-I 40W  | 9280 041 010 12 | 7.8            | 50           | 0.86         | G13       | 25                          | 61223640                       | NA               |
| Philips TL UVA-I 100W-R | 9280 069 010 12 | 27.3           | 126          | 0.97         | G13       | 25                          | 61281640                       | NA               |

# Philips Jaundice (/52) Phototherapy lamps

Philips Jaundice (/52) low-pressure fluorescent lamps emit light in the blue part of the visible spectrum. Jaundice (/52) lamps are used in incubators to eliminate bilirubin in the blood of newborn babies.

## Can be used for the treatment of:

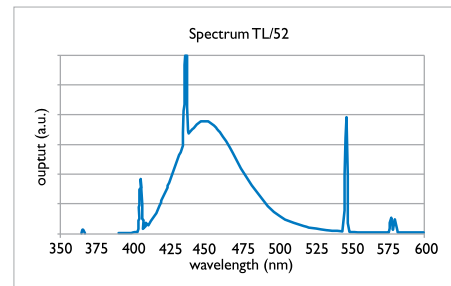
- Hyperbilirubineamia (Neonatal Jaundice)
- Crigler - Najjar (CN) syndrome



Philips TL with bi-pin cap  
(G13)



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



## Philips Jaundice (/52) Phototherapy lamps

| Lamp type           | Product code    | In Flux Output (LM) | Lamp Voltage | Lamp Current | Cap/ base | Packaging Configuration MOQ | Order code (Europe) 8711500... | Order code (USA) |
|---------------------|-----------------|---------------------|--------------|--------------|-----------|-----------------------------|--------------------------------|------------------|
| Philips PL-L 18W/52 | 9279 041 052 06 | 330                 | 57           | 0.37         | 2G11      | 25                          | 80517800                       | NA               |
| Philips TL 20W/52   | 9280 035 052 03 | 330                 | 57           | 0.37         | G13       | 25                          | 64302540                       | 161190           |
| Philips TL-D 18W/52 | 9280 480 052 11 | 395                 | 59           | 0.36         | G13       | 25                          | 83485700                       | NA               |



## Safety 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.

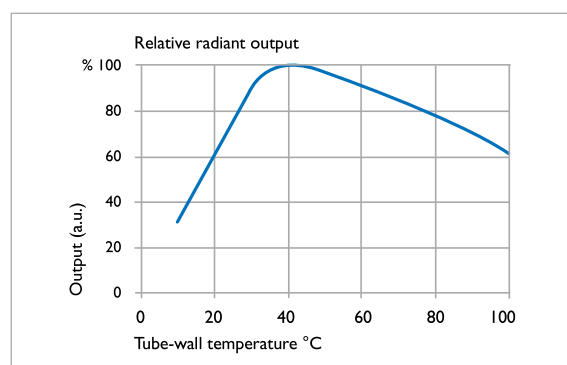
Chronic blue light exposure can damage the retina. Patients should always wear appropriate eye-wear. Therapy equipment must be screened off to ensure safe operation by service personnel.\* Equipment must be provided with a timer in order to control the dose.

Philips UVB therapy lamps (/01 and /12) are only supplied to qualified customers. The lamps should only be used for medical purposes under doctor supervision.

\* For safe levels, see standard IEC 62471 Photobiological Safety of Lamps and Lamps Systems

## Operating conditions

In order to obtain the highest possible output, the equipment should be designed to keep the lamp at the optimal temperature.



## Burning-in time

We advise a burning-in time for new UVB Narrowband (/01) lamps of at least one hour to avoid the initial high output value.

# Product dimensions

## Dimensions in mm

| Type               | A<br>max | B<br>min | C<br>max | D'<br>min | D<br>max |
|--------------------|----------|----------|----------|-----------|----------|
| Philips UV PL-S 9W | 28.8     | 144.5    | 167.0    | 28.0      | 13.0     |

| Type                | A<br>max | B<br>max | C<br>max | D'<br>min | D<br>max |
|---------------------|----------|----------|----------|-----------|----------|
| Philips UV PL-L 36W | 384.2    | 410.0    | 416.6    | 39.0      | 18.0     |

| Type                      | A<br>max | B<br>max | C<br>max | D'<br>min | D<br>max |
|---------------------------|----------|----------|----------|-----------|----------|
| Philips UV PL-L 18W/52 4P | 188.2    | 214.0    | 220.6    | 39.0      | 18.0     |

| Type                                    | A<br>max | B<br>min | B<br>max | C<br>max | D<br>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-F71 RDC              | 1763.8   | 1768.5   | 1770.9   | 1778     | 40.5     |
| Philips TL 100W/01-F72 RDC              | 1755.7   | 1760.4   | 1762.8   | 1774.1   | 40.5     |
| Philips TL 120W/01                      | 2000     | 2004.7   | 2007.1   | 2014.2   | 40.5     |

|  |        |        |        |        |      |
|--|--------|--------|--------|--------|------|
| 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-F71 RDC             | 1763.8 | 1768.5 | 1770.9 | 1778   | 40.5 |
| Philips TL 100W/12-F72 RDC             | 1755.7 | 1760.4 | 1762.8 | 1774.1 | 40.5 |

|                                   |       |       |       |     |      |
|-----------------------------------|-------|-------|-------|-----|------|
| 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   |

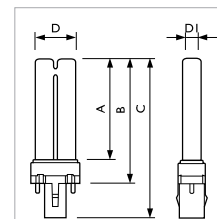
|                              |        |        |        |        |      |
|------------------------------|--------|--------|--------|--------|------|
| UVA (/09) Phototherapy lamps |        |        |        |        |      |
| Philips TL 40W/09            | 1199.4 | 1204.1 | 1206.5 | 1213.6 | 40.5 |
| Philips TL 100W/09           | 1763.8 | 1768.5 | 1770.9 | 1778   | 40.5 |
| Philips TL 100W/09-R         | 1763.8 | 1768.5 | 1770.9 | 1778   | 40.5 |

|                                |        |        |        |      |      |
|--------------------------------|--------|--------|--------|------|------|
| UVA-I (/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.



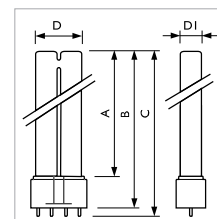
Philips PL-S 9W



Philips PL-S 9W / 12 G23



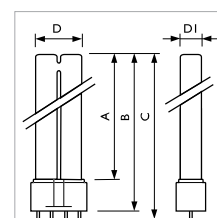
Philips PL-L 36W



Philips PL-L 36W



Philips PL-L 18W/52/4P



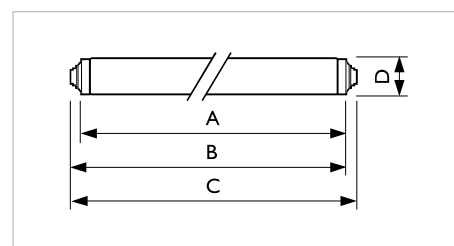
Philips 18W/52/4P



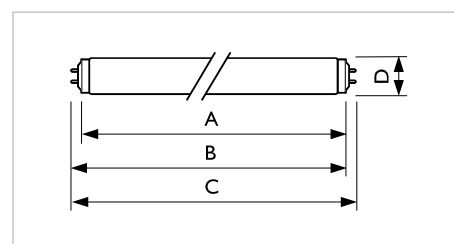
Philips TL with RDC cap  
(R17d)



Philips TL with bi-pin cap  
(G13)



Dimensions with RDC cap (R17d)



Dimensions with bi-pin cap (G13)