

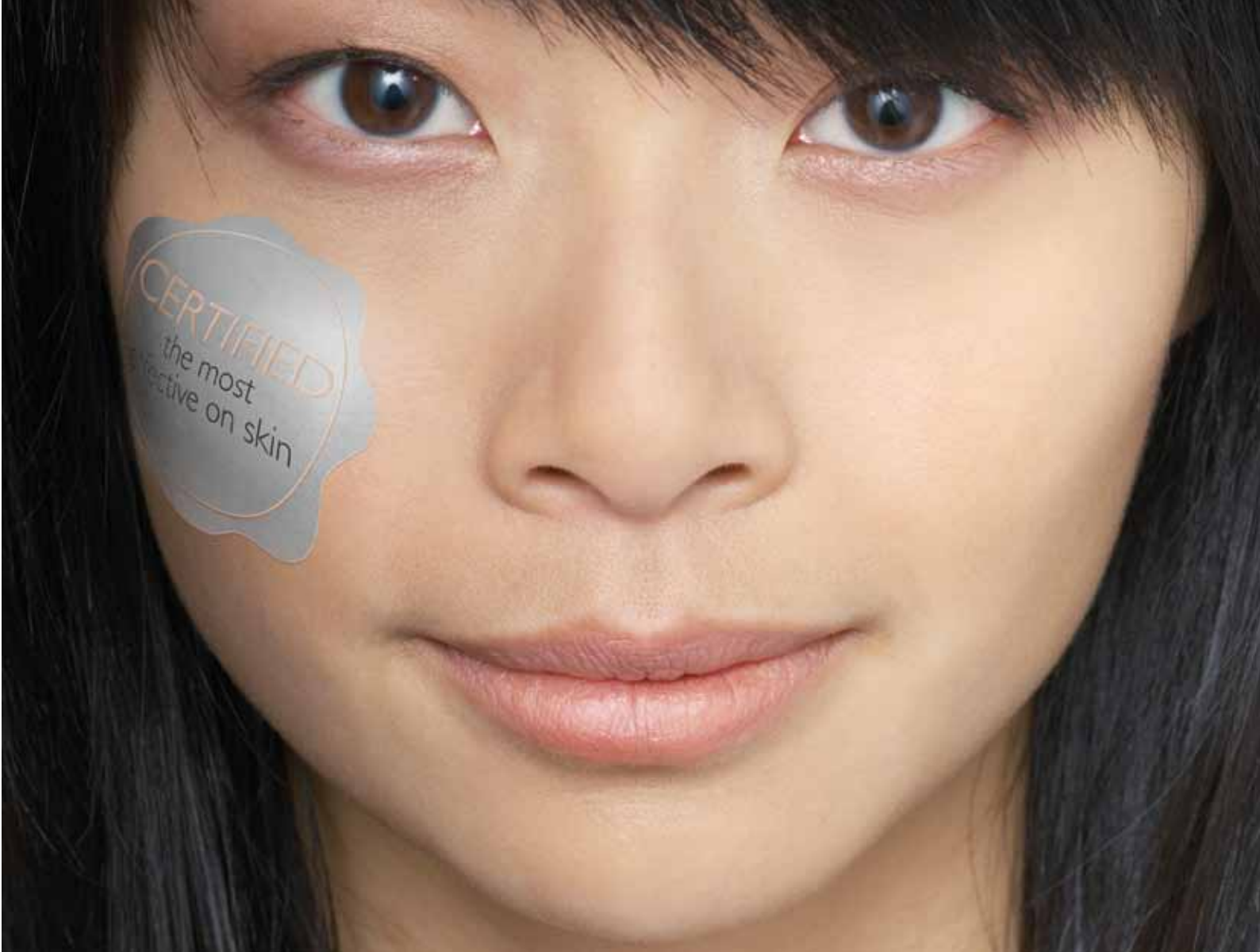


# Philips lamps for Phototherapy treatment

**PHILIPS**  
sense and simplicity

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# Proven technology for Phototherapy

Clinical studies around the world have proven that Philips UV lamps are the most effective lamps currently available for the treatment of Psoriasis and Vitiligo, as well as other less common skin diseases. 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, tested and proven in close cooperation with universities and clinics around the world. Don't settle for poor imitations that could be harmful to patients. Insist on Philips Phototherapy lamps that are certified to be the most effective on skin.



**CERTIFIED**  
the most  
effective on skin

# Philips UVB Narrowband (/01) Phototherapy lamps

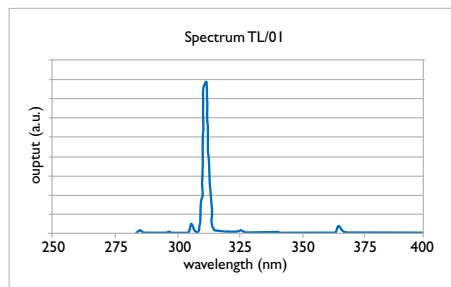
The UVB Narrowband (/01) low-pressure fluorescent Phototherapy lamps are proven to be the most effective lamps for the treatment of skin diseases compared with other lamps in their class. Not only did we introduce the very first UVB lamps, we've also continued to develop and improve them for the last 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.

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

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



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 erythema 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



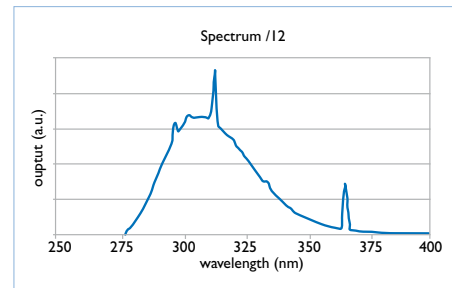
Philips TL with RDC cap  
(R17d)



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	6x10 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)

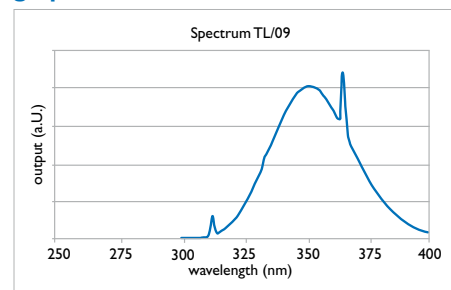


Philips TL with bi-pin cap (G13)

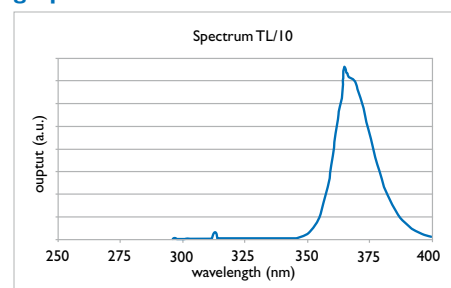


Philips PL-L 36W (2G11)

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:

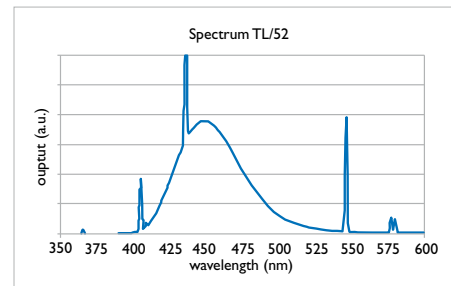
- Hyperbilirubineamia (Neonatal Jaundice)
- Crigler - Najjar (CN) syndrome



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.

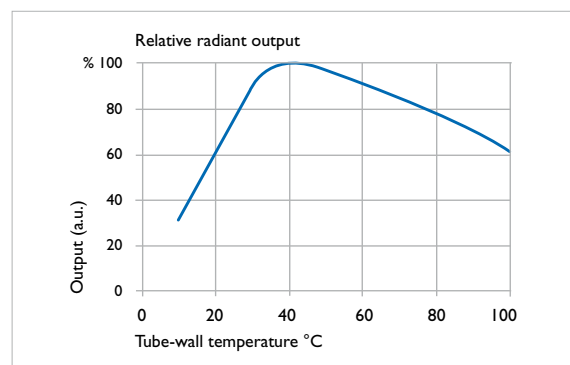
Chronic blue light exposure can damage the retina. Patients should always wear appropriate eye-wear. Therapy equipment must be screened off to ensure safe operation by service personnel.\* Equipment must be provided with a timer in order to control the dose.

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 max	B min	C max	D' min	D max
Philips UV PL-S 9W	28.8	144.5	167.0	28.0	13.0

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

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

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-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

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-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

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

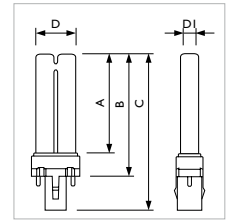
Type	A max	B min	B max	C max	D max
UVA (/09) Phototherapy lamps					
TLK 40W/09-R	589.8	594.5	596.9	604	40.5
Philips TL 100W/09	1763.8	1768.5	1770.9	1778	40.5
Philips TL 100W/09-R	1763.8	1768.5	1770.9	1778	40.5

Type	A max	B min	B max	C max	D max
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.



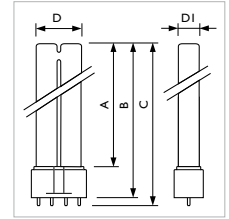
Philips PL-S 9W



Philips PL-S 9W / 12 G23



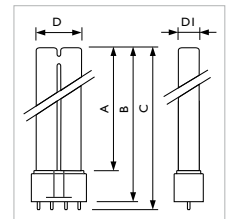
Philips PL-L 36W



Philips PL-L 36W



Philips PL-L 18W/52/4P



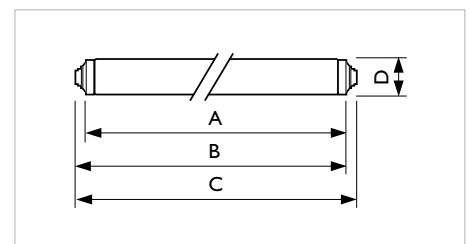
Philips 18W/52/4P



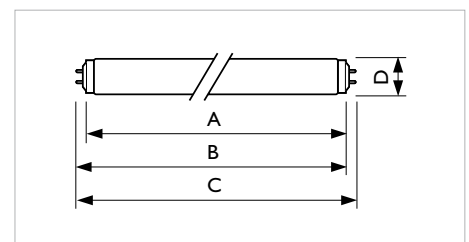
Philips TL with RDC cap (R17d)



Philips TL with bi-pin cap (G13)



Dimensions with RDC cap (R17d)



Dimensions with bi-pin cap (G13)

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