

# EFFECTIVE LIGHT THERAPY

for Photobiology and Phototherapy

*Philips has been a pioneer in lighting for over 100 years and is the world's largest manufacturer of lighting products today. We have long experience making products that meet the most demanding requirements for a broad range of lighting applications. For photobiological and therapeutic purposes, Philips Lighting offers its highly effective range of therapy lamps. These have been developed in close cooperation with universities and clinics around the world. Philips Lighting will be happy to advise you on which lamps best fit your applicational needs.*

## **TL/01 AND TL/12 LAMPS** for the treatment of

- Phototherapy of Psoriasis
- Phototherapy of Vitiligo
- Vitamin D3-Photosynthesis

## **TL/03 AND TL/52 LAMPS** for the treatment of

- Phototherapy for Hyperbilirubinaemia

**Solarc Systems Inc.**  
**SolRx UVB Phototherapy Equipment**  
**SolarcSystems.com**  
**Barrie, Ontario, Canada**  
**866-813-3357 or 705-739-8279**



*Let's make things better.*



**PHILIPS**

# TL/01 AND TL/12 LAMPS

In the UV-B region, the TL/01 and TL/12 low-pressure mercury vapour fluorescent lamps are used mainly for the treatment of Psoriasis, Vitiligo and Vitamin D3-Photosynthesis.

## Safety measures

Since the ultraviolet radiation of these lamps can easily cause an erythema or even conjunctivitis and cataract, the lamps and/or therapy equipment have to be screened off. It is particularly important for service personnel that measures are taken to ensure that safety threshold as published by the American

Conference of Governmental Industrial Hygiene (ACGIH) is not exceeded. Philips cannot be held responsible for any problems which may occur.

## Dedicated lamp holders

Lamps that are 180 cm long are provided with R17d (RDC) caps to prevent them from fitting in standard cosmetic tanning devices. (See photo) UV-B lamps (TL/01 and TL/12) will only be supplied to qualified customers who have signed a written agreement stating that the lamps will only be used for medical applications. The lamps will not be sold without an assurance that they will only be used for medical purposes under a doctor's supervision.

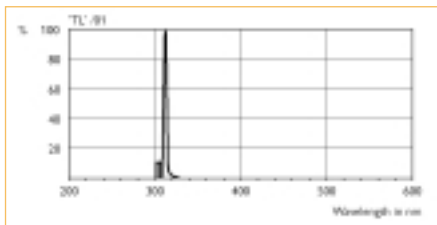
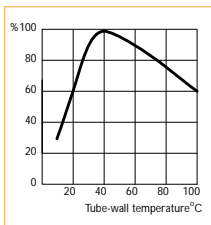
## New unique Philips patented narrow spectrum TL/01 lamps

- Effective therapy for Psoriasis and Vitiligo
- Fewer side effects as confirmed by recent research studies

### "UVB-Narrowband"

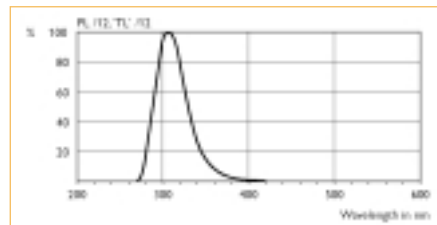
Spectral power distribution TL/01

Relative radiant output



### "UVB-Broadband"

Spectral power distribution TL/12



Solarc/SolRx  
100 Series  
Hand-held



TL 100W with RDC cap (R17d) → Solarc/SolRx 1000 Series



TL 20/40W



Solarc/SolRx 500 Series

PL-L 36W



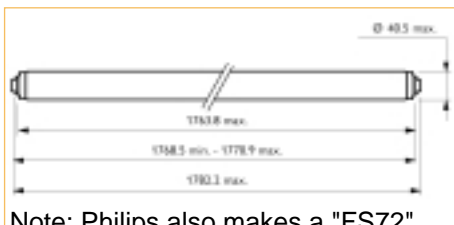
PL-S 9W



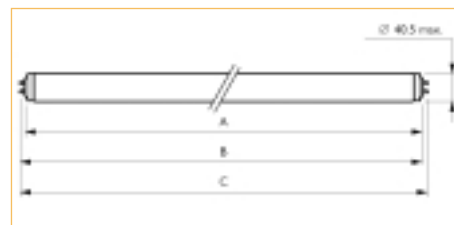
Type	A max.	B min.	B max.	C max.
TL 20W 01/12	589.8	594.5	596.9	604.0
TL 40W /12	1199.4	1204.1	1206.5	1213.6

Note: Philips does not make a 4-foot long UVB-Narrowband lamp.

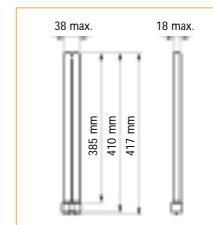
TL 100W 01/12 dimensions in mm



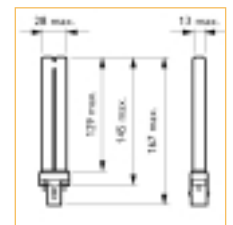
TL 20/40W dimensions in mm



PL-L 36W



PL-S 9W /12 G23



Note: Philips also makes a "FS72" length of this lamp, which is 0.25" to 0.50" shorter than shown.

## UVB Lamps for treating psoriasis, vitiligo & eczema :

Type	Starter	Cap/base	Lamp voltage V	Lamp Current A	Lamp wattage W	UVB Radiation W (5 hr)	Depreciation 500 hrs (%)	EOC	Packaging
<b>TL/01 "UVB-Narrowband" (/01)</b>									
PL-S 9W/01	Starter inside	G23	60	0,17	9	1,2	50	868930	60
TL 20W /01	CLEO	G13	57	0,37	20	2,3	25	639752	25
PL-L 36W/01	CLEO	2G11	105	0,435	36	6,2	40	868909	25
TL 100W /01	CLEO	R17D	122	0,97	100	17	25	614261	10
<b>TL/12 "UVB-Broadband" (/12)</b>									
PL-S 9W/12	Starter inside	G23	60	0,17	9	0,9	50	626271	60
TL 20W /12	CLEO	G13	57	0,37	20	2,1	25	628848	25
TL 40W /12	CLEO	G13	101	0,43	39	4,6	25	628879	25
TL 100W /12	CLEO	R17D	122	0,97	100	12	35	614292	10

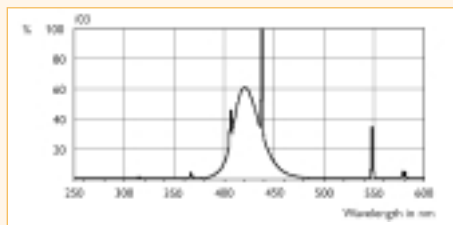
Note: UV-B radiation is harmful to human skin and eyes. These lamps are therefore only available for medical applications

**Not for use in treating skin diseases - For infant jaundice only:**

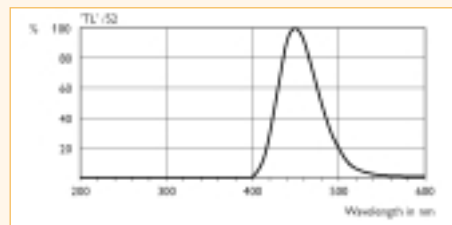
## TL/03 AND TL/52 LAMPS

In the UV-A region, the TL/03 and TL/52 are effective low-pressure mercury vapour fluorescent lamps are used mainly for the treatment of Hyperbilirubinaemia (Medical treatment of jaundice in newborn babies). According to some scientists the /52 lamp is slightly more effective than the /03 type.

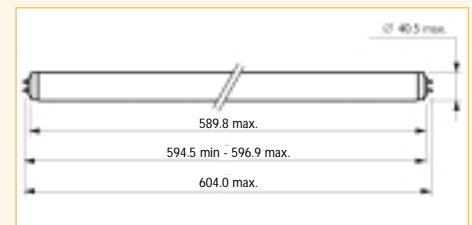
Spectral power distribution TL/03



Spectral power distribution TL/52



TL 20W /52 dimensions in mm



Type	Starter	Cap/base	Lamp voltage V	Lamp Current A	Lamp wattage W	UVB Radiation W (5 hr)	Lumen output (lm)	Depreciation 500 hrs (%)	EOC	Packaging
<b>TL/03</b>										
TL 20W /03	CLEO	G13	57	0,37	20	not relevant	300	10	626103	25
<b>TL/52</b>										
TL 20W /52	S10	G13	57	0,37	20	not relevant	360	10	643032	25

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