



# Jaundice PL-L – the compact way to eliminate the need for blood transfusions

## Jaundice PL-L/PL-S

By emitting light almost entirely within the 400 to 500 nm bandwidth and peaking at 450 nm, Philips PL-L/PL-S/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. The compact form factor of our PL-L & PL-S lamps also allows design freedom. 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 UVB and UVA lamp range brochure US version.

### Benefits

- PL-L 18W/52: Optimal spectrum for photo-oxidative process to convert unconjugated bilirubin into a water soluble form
- PL-L 36W/953: Natural daylight

### Features

- PL-L 18W/52: Emission peak at 450 nm
- PL-L 36W/953: Natural daylight spectrum and high light output for optimal effect

### Application

- PL-L 18W/52: Medical treatment of jaundice in new-born babies (hyperbilirubinaemia), Crigler - Najjar (CN) syndrome
- PL-L 36W/953: SAD syndrome

# Jaundice PL-L/PL-S

## Versions

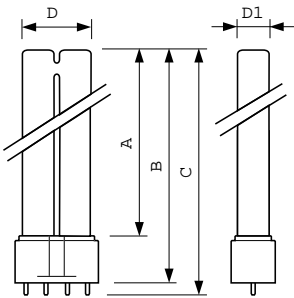


PL-S

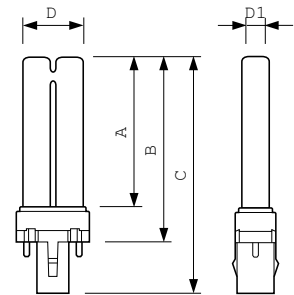


PL-L

## Dimensional drawing



Product	D1 (max)	D (max)	A (max)	B (max)	C (max)
PL-L 18W/52/4P 1CT/25	18 mm	39 mm	188.2 mm	214 mm	220.6 mm



Product	D1 (max)	D (max)	A (max)	B (max)	C (max)
PL-S 9W/52/2P 1CT/6X10BOX	13 mm	28 mm	129 mm	144.5 mm	167.5 mm

### General Information

Main Application: Phototherapy Systems

### Light Technical

Color Code: 52

## Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power (Rated) (Nom)
927901705203	PL-S 9W/52/2P 1CT/6X10BOX	0.17 A	60 V	8.6 W

## Jaundice PL-L/PL-S

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power (Rated) (Nom)
927904105206	PL-L 18W/52/4P 1CT/25	0.375 A	57 V	17.5 W

### General Information

Order Code	Full Product Name	Cap-Base	Life To 50% Failures (Nom)	Useful Life (Nom)
927901705203	PL-S 9W/52/2P 1CT/6X10BOX	G23	8000 h	2000 h

Order Code	Full Product Name	Cap-Base	Life To 50% Failures (Nom)	Useful Life (Nom)
927904105206	PL-L 18W/52/4P 1CT/25	2G11	-	-

### Light Technical

Order Code	Full Product Name	Luminous Flux (Nom)
927901705203	PL-S 9W/52/2P 1CT/6X10BOX	130 lm

Order Code	Full Product Name	Luminous Flux (Nom)
927904105206	PL-L 18W/52/4P 1CT/25	330 lm

### Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
927901705203	PL-S 9W/52/2P 1CT/6X10BOX	2XT12

Order Code	Full Product Name	Bulb Shape
927904105206	PL-L 18W/52/4P 1CT/25	2xT16

### Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content (Nom)
927901705203	PL-S 9W/52/2P 1CT/6X10BOX	-

Order Code	Full Product Name	Mercury (Hg) Content (Nom)
927904105206	PL-L 18W/52/4P 1CT/25	4.4 mg

