

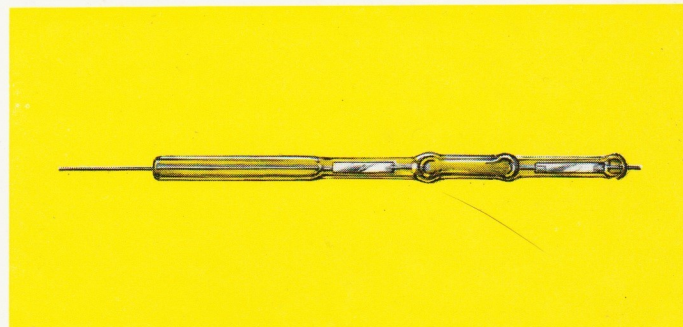
The Philips SPP lamps are super-high-pressure mercury-vapour lamps, specially developed for cinema projection.

The very small dimensions and high luminance make the lamp most suitable for use in optical equipment. The lamp is operated by a pulsating direct current variable over the range of 60-120 pulses per second.

Light is produced only during the pulses. The lamp being dark during the intervals, a shutter is unnecessary when the lamp is used in a film projector.

Other features making SPP lamps eminently suitable for cinema projection are:

- Great economy.
- Flicker-free projection, even at very high screen brilliance.
- Constant light output, irrespective of the number of operating hours.
- Perfectly uniform brightness on the screen.



## APPLICATIONS

SPP lamps are designed primarily for use in Philips cinema projectors.

For more detailed information and accessory equipment, apply to Product Division ELA/Cinema Dept.

## ELECTRICAL AND LIGHTING DATA

Type	Ignition voltage V	Lamp current		Arc voltage (average) V	Water-cooling required <sup>1)</sup> l/min	Life <sup>2)</sup> h	Efficiency lm/W	Pulse frequency /second	Duration of pulse msec	Arc length mm
		(peak) A	(average) A							
SPP 800 W	1100	approx. 15	2.0	400	4	330	55	60-120	1.5-2.5	17±1
SPP 1000 W	1200	25±2	2.1	450	4	330	55	60-120	1.5-2.5	16±1

<sup>1)</sup> For Philips cinema projector.

<sup>2)</sup> Total life of 10 lamps, based on an average of 15 burning minutes per switching.

## ORDERING AND PACKING DATA

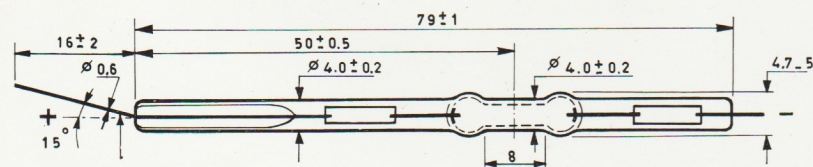
Type	Catalogue number <sup>3)</sup>	12-digit code	Weight g	Minimum ordering quantity	Packing unit		Dimensions cm	Volume dm <sup>3</sup>
					Qty	Weight kg		
SPP 800 W	57356/51	9283 721 051 ..	5	10	100	1.1	24 × 20 × 14	6.72
SPP 1000 W	57358/51	9283 726 051 ..	5	10	100	1.1	24 × 20 × 14	6.72

<sup>3)</sup> inclusive of 2 reflectors.

## RELATIVE LIGHT DISTRIBUTION OVER 8 SPECTRAL BANDS

Spectral bands	380-420 nm	420-440 nm	440-460 nm	460-510 nm	510-560 nm	560-610 nm	610-660 nm	660-760 nm
SPP 800 W	0.025%	0.28%	0.50%	4.24%	43.7%	46.6%	4.3%	0.28%
SPP 1000 W	0.019%	0.26%	0.61%	5.79%	45.1%	43.1%	4.86%	0.23%
Colour	far violet	violet	blue	blue-green	green	yellow	light-red	dark-red

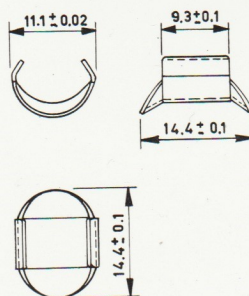
## DIMENSIONS



Wire is slightly bent in order to ensure good electrical contact

## REFLECTOR

Two reflectors are delivered together with each individual lamp. The reflector shape is optimal for the above application. The reflector can be easily fitted into the cooling unit.



## OPERATING CONDITIONS

Instructions for use, which should be strictly adhered to, are supplied with every package of ten lamps.

## RELATIVE SPECTRAL ENERGY DISTRIBUTION

