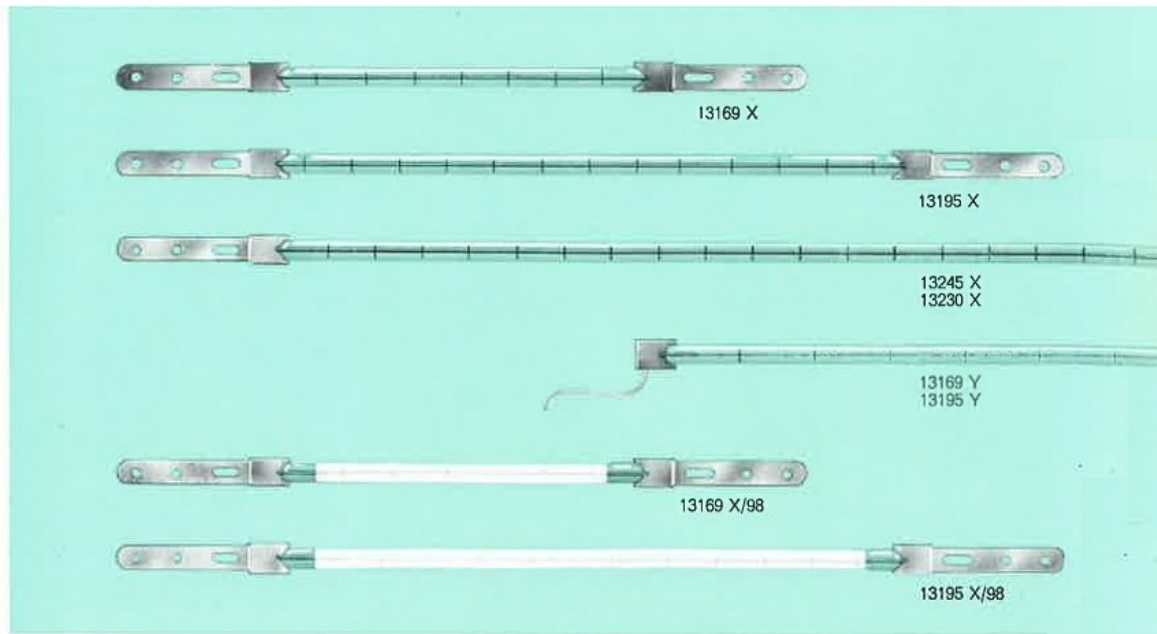


## QUARTZ IR HEAT LAMPS FOR INDUSTRIAL PURPOSES

The application of higher-power IRK lamps in heaters used in industrial processes is increasing rapidly because a higher infra-red energy output is provided than is the case with the reflector-bulb lamps. Moreover, quartz heaters are much more sturdy. The most outstanding feature of quartz infra-red lamps is, however, the possibility of building very compact heating systems, simple and light in weight. Moreover, the lamps reach the optimum working temperature immediately and cool down very rapidly. Finally, temperature control is possible within very narrow limits, which is an essential factor in treating all kinds of modern material.

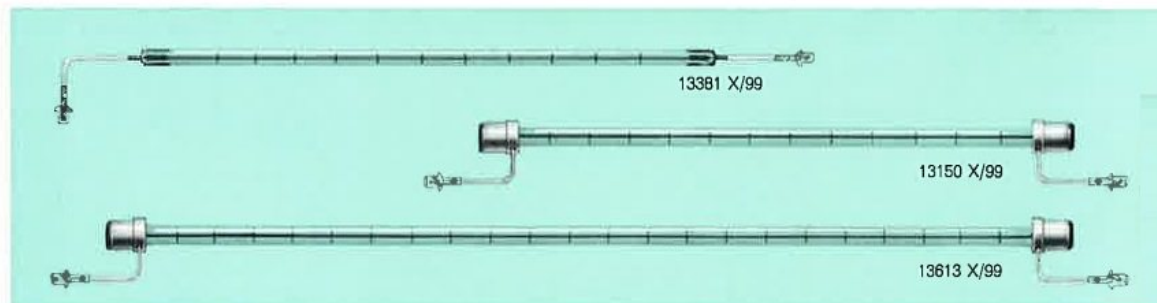


Catalogue number	Wattage W	Voltage V	Bulb and finish	Base	Diam.	Heated length	Fixing centres
13169X	500	110/130	clear quartz	clips X502	10	160	241
13195X	1000	220/250			10	270	368
13245X	2000	380/415			10	425	508
13230X	3000	380/415			10	720	798
13169Y	500	110/130	clear quartz	clips with supply leads	10	abt. 152	216 1)
13195Y	1000	220/250			10	abt. 271	346 1)
13169X/98	500	110/130	clear quartz with reflector strip	clips X502	10	abt. 152	241
13195X/98	1000	220/250			10	abt. 271	368

1) Max. overall length.

## QUARTZ IR LAMPS FOR COPYING PURPOSES

The Philips tubular, quartz infra-red copying lamps are efficient, compact size, high-intensity radiant heat sources for dry reproduction systems. - These are high colour-temperature lamps with exact filament and dimensional tolerances, offering accurate focussing in properly designed reflectors.



Catalogue number	Voltage V	Wattage W	Bulb shape	Material	Base	Diam.	Heated length	Max. overall length
13381X/99 1)	115 220	1350	T2½	clear quartz	baseless	8	254	294
13150X/99 2)	220 280	1350	T3	clear quartz	ceramic	10	254	305 3)
13613X/99	490	2360	T3	clear quartz	ceramic	10	441	495 3)

1) Also available in a 1500 W version, for 220, 240 and 280 V, cat. no. 13380X/99.

2) Also available in a 1500 W version, for 220 and 240 V, cat. no. 13259X/99.

3) Inclusive of bases.