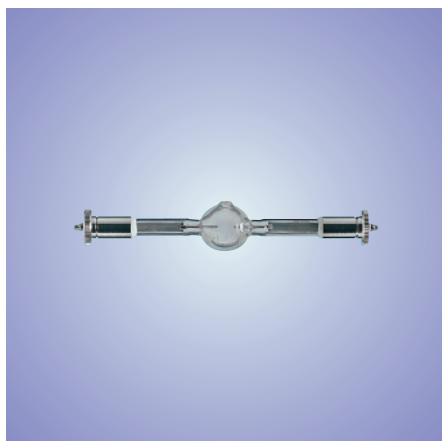


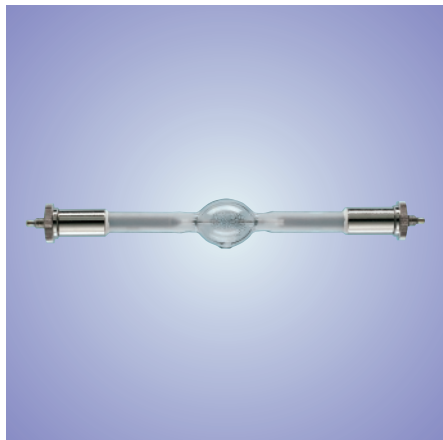
BE



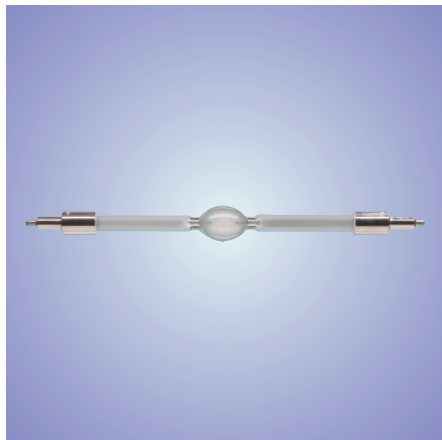
MSI 1200W/S



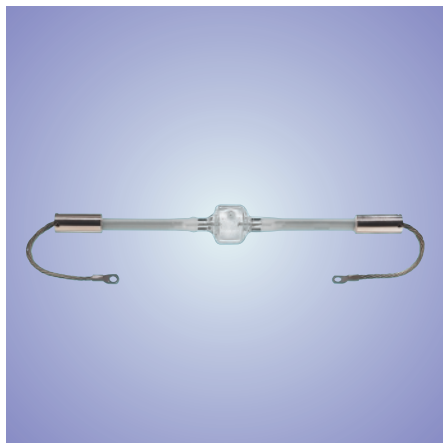
MSI 575



MSI 1200



MSI 2500, MSI 4000



MSI 6000, MSI 12000

Features

High-efficiency metal halide lamps combining the high luminous efficacy, compact arc and excellent colour characteristics required in a variety of applications.

They can be operated on an AC electronic power supply as well as on a magnetic ballast-ignitor combination. The run-up time is 3 minutes. Hot re-ignition is possible with a high voltage peak (up to 75 kV).

In view of their high internal working pressure, these lamps must only be operated in closed luminaires. They radiate a considerable amount of ultra-violet; the luminaire lenses must block this, and no radiation must be spilled through ventilation slots.

MSI 575 and MSI 1200 versions have a universal burning position.

The MSI 2500 version has a burning position of horizontal ± 30 deg. Other versions: horizontal ± 15 deg.

The MSI 1200W/S is Philips latest addition to the MSI range. Its compact size makes the lamp ideally suited for Entertainment applications where miniaturisation of moving heads is a continuous trend.

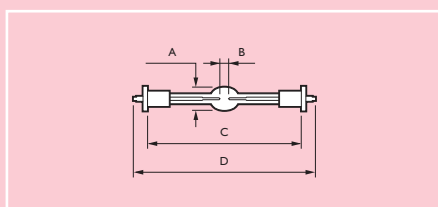
Applications

- Indoor and outdoor colour television.
- Indoor and outdoor filming.
- Theatre stages.
- Discos.
- Entertainment.



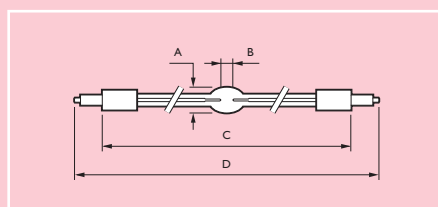
Type	Lamp wattage	Cap/base	Lumen output	Efficacy source	Colour temperature Nom.	Dimming	Burning position	Average lamp life	Replacement before hrs	Minimum ignition supply voltage	Lamp current	Ordering number
	W		lm	lm/W	Tc (K)			h	h	V	A	
MSI 575	575	SFc10-4	49 000	85	5600	NO	ANY	1000	1200	207	6.95	9281 043 00000
MSI 1200	1200	SFc15.5-6	110 000	92	5600	NO	ANY	1000	1200	207	13.8	9281 044 00000
MSI 1200W/S	1200	SFc10-4	110 000	90	6000	NO	ANY	750	1000	207	13.6	9280 996 05100
MSI 2500	2500	SFa21-12	240 000	96	5600	NO	HOR. ± 30	600	750	207	25.6	9281 045 00000
MSI 4000	4000	SFa21-12	410 000	95	6000	NO	HOR. ± 15	600	750	360	24	9281 046 00000
MSI 6000	6000	S25.5x60	570 000	95	6000	NO	HOR. ± 15	400	500	207	55	9281 047 00000
MSI 12000	12000	S30x70	1100 000	92	6000	NO	HOR. ± 15	300	350	360	82	9281 048 00000

Nominal values measured in horizontal burning position in an integrating sphere on a magnetic ballast.

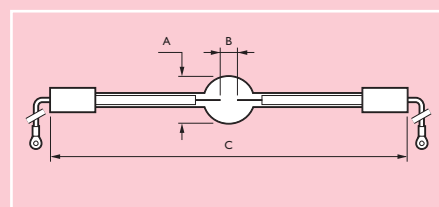


Dimensions in mm

Type	A max.	B	C	D max.
MSI 575	21.0	7	115	136
MSI 1200	28.5	10	180	220
MSI 1200W/S	21.0	7	115	136

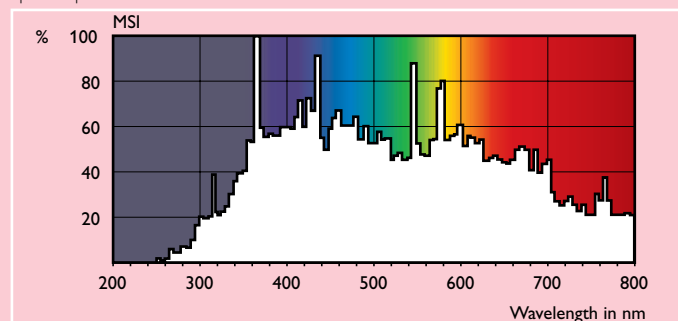


Type	A max.	B	C	D max.
MSI 2500	32.5	20.0	290	355
MSI 4000	40.0	34.0	340	405

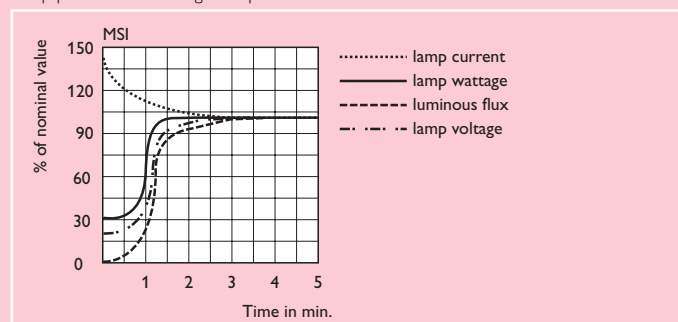


Type	A max.	B	C max.
MSI 6000	52	22	450
MSI 12000	65	32	470

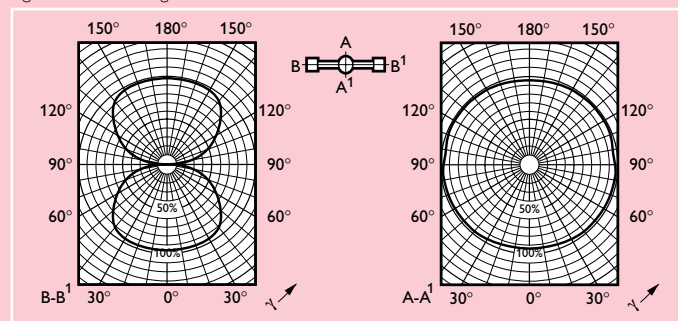
Spectral power distribution



Lamp performance during run-up



Light distribution diagram



Maximum permissible temperatures (degr. C)

Type	Base	Bulb
MSI 575	230	800
MSI 1200	230	800
MSI 1200W/S	230	800
MSI 2500	230	800
MSI 4000	230	800
MSI 6000	230	900
MSI 12000	230	900

* Pinch temperature

Ballast specifications

Type of lamp	Mains voltage V	Impedance Ω	Current A	Ballast losses W
MSI 575	230	28	6.95	60
MSI 1200	230	14	13.8	120
MSI 1200W/S		electronic ballasts only		
MSI 2500	230	7	25.6	200
MSI 4000	400	12	24	300
MSI 6000	230	3.16	55	300
MSI 12000	400	1.64	82	500

Starter specifications

Type of lamp	Ignition Voltage (kV) min. cold	max. hot	R/C network	Min. starting time (sec)	Remark
MSI 575	3	25	30 27 Ω/0.5 μF	2	-
MSI 1200	5	45	55 27 Ω/0.5 μF	2	-
MSI 1200W/S	-	45	50	2	Hot Restrike
MSI 1200W/S	-	5	50	10	Cold Strike
MSI 2500	20	45	55 15 Ω/1 μF	2	-
MSI 4000	20	65	75 15 Ω/1 μF	2	-
MSI 6000	20	50	60 15 Ω/1 μF	2	-
MSI 12000	20	65	75 15 Ω/1 μF	2	-