

BC



MSD 200 (2), MSD 250 (2)



MSD 700



MSD 575



MSD 575 HR



MSD 1200

Features

Compact high-pressure metal halide lamps designed for optimum light collection efficiency. They combine high luminous efficacy with a compact arc and excellent colour characteristics.

MSD lamps can be operated on an electronic power supply as well as on a magnetic ballast-ignitor combination.

Although completely safe to handle when cold, these lamps must only be operated in closed luminaires in view of their high internal working pressure.

The lamps radiate a considerable amount of ultra-violet; the luminaire lenses must block this, and no radiation must be spilled through ventilation slots.

MSD lamps have a universal burning position.

Applications

- Display lighting.
- Architectural lighting.
- Disco lighting.
- Fibre optics.
- Museum.
- Entertainment.

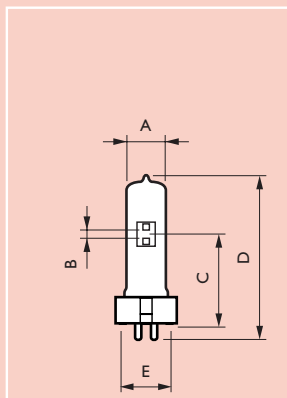


Type	Lamp wattage	Cap/base	Lumen output	Efficacy source	Chromaticity coordinate	Chromaticity coordinate	Colour temp.	Burning position	CRI	Average lamp life	Replacem. before hrs	Min. ignition supply voltage	Lamp current	Lamp voltage	Ordering number
	W		lm	lm/W	x	y	K			h		V	A	V	
MSD 200	200	GY9.5	13500	67	.323	.328	6000	ANY	80	2000	2200	207	3.4	70	9280 972 05100
MSD 200 /2	200	GY9.5	13500	67	.312	.311	6700	ANY	70	3000	3300	207	3.4	70	9280 976 05100
MSD 250	250	GY9.5	18000	72	.312	.311	6700	ANY	75	3000	3300	207	3.0	94	9280 987 05100
MSD 250 /2	250	GY9.5	18000	72	.289	.305	8500	ANY	65	3000	3300	207	3.0	94	9280 990 05100
MSD 575	575	GX9.5	43000	75	.323	.328	6000	ANY	75	3000	3300	207	6.95	95	9280 988 05100
MSD 575 HR	575	G22	46000	80	.321	.336	6000	ANY	75	2000	2200	207	6.95	97	9280 989 05100
MSD 700	700	G22	50500	72	.323	.328	6000	ANY	75	3000	3300	207	11.0	72	9281 704 05100
MSD 1200	1200	G22	92000	77	.323	.328	6000	ANY	80	3000	3300	207	13.8	100	9281 720 05100

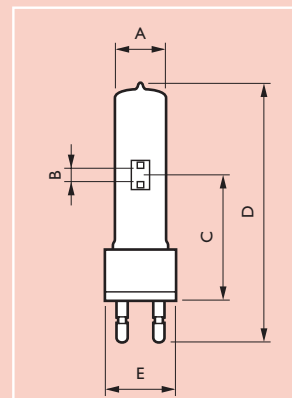
Nominal values measured in horizontal burning position in an integrating sphere on a magnetic ballast.

Maximum permissible temperatures (degr. C)

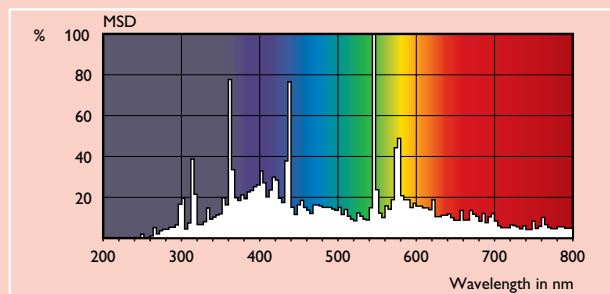
Type	Pinch	Bulb
MSD 200	350	500
MSD 200 /2	350	500
MSD 250	350	500
MSD 250 /2	350	500
MSD 575	350	600
MSD 575 HR	350	600
MSD 700	350	600
MSD 1200	350	600



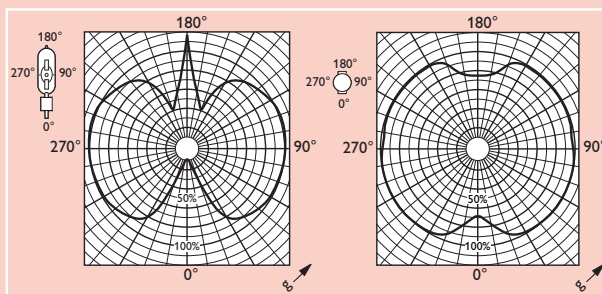
Dimensions in mm



Type	A max. nom.	B max. nom.	C max.	D max.	E	Type	A max. nom.	B max. nom.	C max.	D max.	E
MSD 200 (/2)	23	5.0	55±1	108	28±1	MSD 575 HR	30	8.0	70±1	145	42±1
MSD 250 (/2)	23	5.0	55±1	108	28±1	MSD 700	40	10.0	85±1	175	53±1
MSD 575	30	8.0	65±1	125	35±1	MSD 1200	41	14.0	85±1	183	53±1



Spectral power distribution



Light distribution diagram

Ballast specifications

Type of lamp	Mains voltage V	Impedance Ω	Current A	Ballast losses W	Same ballast as
MSD 200	230	61	3.5	25	-
MSD 200 /2	230	61	3.5	25	-
MSD 250	230	61	3.5	25	MSD 200
MSD 250 /2	230	61	3.5	25	MSD 200
MSD 575	230	28	6.95	60	MSR 575
MSD 575 HR	230	28	6.95	60	MSD 575
MSD 700	230	19	11	55	MSR 700
MSD 1200	230	14	13.8	120	MSR 1200

Starter specifications

Type of lamp	Max. peak voltage (V) min.	max.
MSD 200	1700	4500
MSD 200 /2	1700	4500
MSD 250	1700	4500
MSD 250 /2	1700	4500
MSD 575	1700	4500
MSD 575 HR	25000	30000
MSD 700	1700	5000
MSD 1200	1700	5000

Switching cycle

Type of lamp	3.5 hrs on / 0.5 hrs off
MSD 200	3.5 hrs on / 0.5 hrs off
MSD 200 /2	3.5 hrs on / 0.5 hrs off
MSD 250	3.5 hrs on / 0.5 hrs off
MSD 250 /2	3.5 hrs on / 0.5 hrs off
MSD 575	11 hrs on / 1 hr off
MSD 575 HR	3.5 hrs on / 0.5 hrs off
MSD 700	11 hrs on / 1 hr off
MSD 1200	11 hrs on / 1 hr off