

MSR Hot Restrike



MSR 125/200/400 HR



MSR™ 250 HR



MSR 575 HR



MSR 1200 HR



MSR 2500/4000 HR



MSR 6000 HR



MSR 12000 HR



MSR 18000 HR

Features

1. Philips Pinch Protection.
2. MSR filling.
3. Optimal discharge tubes geometry.
4. High efficacy.
5. Single ended lamp concept.
6. Hot Restrike capability.

Benefits

1. Enables use at higher temperatures in any burning position. Longer lifetime, fewer early failures, consistent performance over time.
2. Perfect daylight color due to 6000K temperature with excellent color characteristics required for the set.
3. No arc movement.
4. High lumen output.
5. High beam intensity.
6. Hot re-ignition is possible ensuring the availability of the light at any time.

Applications

- Indoor and outdoor filming.
- Theatres and discos.
- Professional photography.
- Solar simulation.

Note: The MSR 250 HR can be used as the daylight alternative for Ceramic ST 250 HR. It is exchangeable in the same fixture.

For High wattages:



Philips pinch protection technology

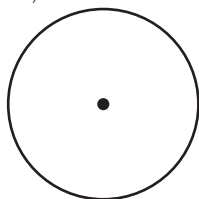
- **Reliability**, through longer lifetime and fewer early failures.
- **Quality**, through excellent storage characteristics and consistent performance over time.
- **Compactness**, allowing more compact design of fixtures and burning positions.
- **Philips P3 technology**, Max 500° C pinch temperature
- **No pinch protection**, Max 350° C pinch temperature

MSR Hot Restrike

Type	Lamp wattage	Cap/ base	Lumen output	Efficacy source lm/W	Chromaticity coordinate x	Chromaticity coordinate y	Colour temp.
MSR 125 HR	125 W	GZX9.5	9400 lm	75	.323	.328	6000 K
MSR 200 HR	200 W	GZY9.5	15000 lm	75	.323	.328	6000 K
MSR 250 HR	250 W	GZY9.5	20000 lm	80	.323	.328	6800 K
MSR 400 HR	400 W	GZZ9.5	32000 lm	80	.323	.328	6000 K
MSR 575 HR	575 W	G22	49000 lm	85	.323	.328	6000 K
MSR 1200 HR	1200 W	G38	110000 lm	91	.323	.328	6000 K
MSR 2500 HR	2500 W	G38	240000 lm	96	.323	.328	6000 K
MSR 4000 HR	4000 W	G38	380000 lm	95	.323	.328	6000 K
MSR 6000 HR	6000 W	GY38	570000 lm	95	.323	.328	6000 K
MSR 12000 HR	12000 W	GY38	1200000 lm	100	.323	.328	6000 K
MSR 18000 HR	18000 W	GX51	1750000 lm	95	.323	.328	6000 K

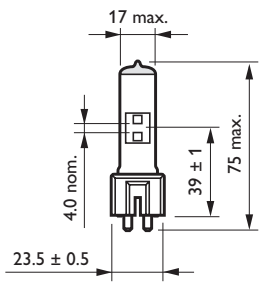
Type	Dimming	Average life h	Replacement before hrs	Minimum ignition supply voltage	CRI	Lamp current A	Ordering number
MSR 125 HR	YES	200	300	207V	92	1.9	9280 602 05100
MSR 200 HR	YES	200	400	207V	92	3.3	9280 979 05100
MSR 250 HR	YES	750	700	207V	> 90	2.6	9281 756 05108 (4 pcs)
MSR 400 HR	YES	750	1000	207V	92	6.9	9280 502 05100
MSR 575 HR	YES	1000	1200	207V	95	6.95	9280 977 05100
MSR 1200 HR	YES	1000	1200	207V	95	13.8	9281 050 05100
MSR 2500 HR	YES	500	750	207V	95	25.6	9281 049 05100
MSR 4000 HR	YES	500	650	207V	95	24.0	9280 504 05100
MSR 6000 HR	YES	500	650	207V	95	55.0	9281 727 05100
MSR 12000 HR	YES	300	350	207V	95	86.0	9281 733 05100
MSR 18000 HR	YES	300	350	207V	95	-	available Q1, 2007

Any

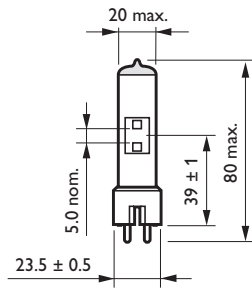


Burning position

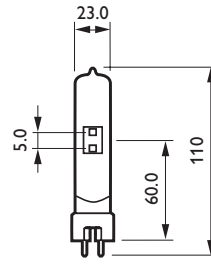
MSR Hot Restrike



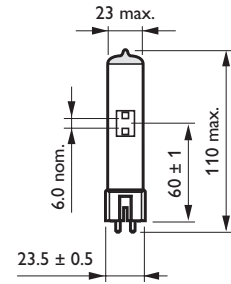
MSR 125 HR
(Dimensions in mm)



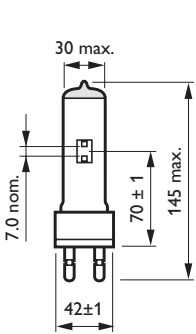
MSR 200 HR



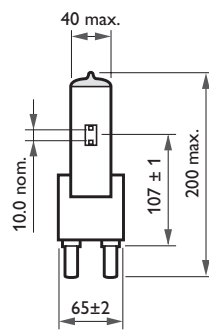
MSR™ 250 HR



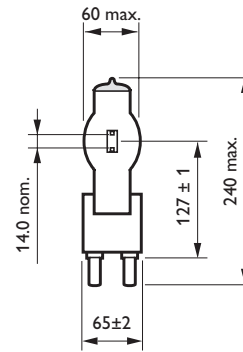
MSR 400 HR



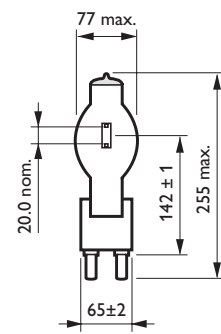
MSD/MSR 575 HR



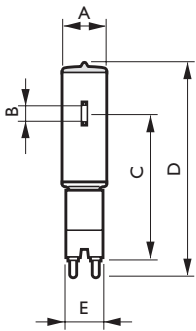
MSR 1200 HR



MSR 2500 HR

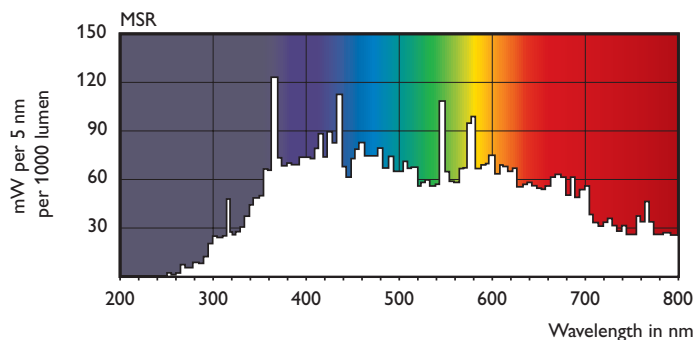


MSR 4000 HR

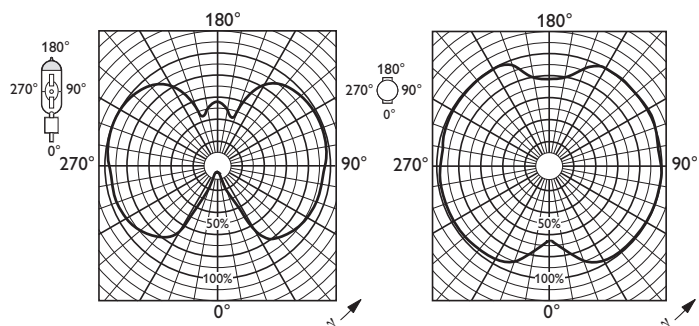


Type	A max	B nom	C	D max	E
MSR 6000 HR	74	24	210±2	378	62±2
MSR 12000 HR	103	30	255±2	460	72±2
MSR 18000 HR	103	35	260±2	470	

MSR Hot Restrike

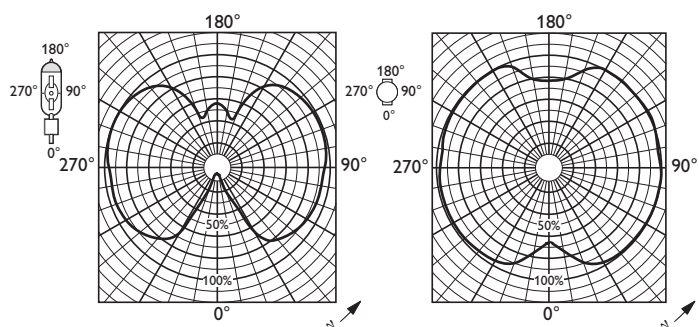


Spectral power distribution



Light distribution MSR; top outer bulb frosted

Type	Pinch	Bulb
MSR 125 HR	350	700
MSR 200 HR	350	700
MSR 250 HR	350	700
MSR 400 HR	350	700
MSD 575 HR	350	600
MSR 575 HR	350	700
MSR 1200 HR	350	700
MSR 2500 HR	450	700
MSR 4000 HR	450	700
MSR 6000 HR	400	700
MSR 12000 HR	400	700
MSR 18000 HR	-	-



MSR-HR

Ballast specifications

Type of lamp	Mains voltage	Impedance	Current	Ballast losses	Same ballast as
		Ω	A		
MSR 125 HR	230V	105	2	20 W	-
MSR 200 HR	230V	61	3.5	25 W	-
MSR 250 HR	230V	-	2.6	-	-
MSR 400 HR	230V	30	7.0	50 W	-
MSD 575 HR	230V	28	6.95	60 W	MSD 575
MSR 575 HR	230V	28	6.95	60 W	MSI 575
MSR 1200 HR	230V	14	13.8	120 W	MSI 1200
MSR 2500 HR	230V	7	25.6	200 W	MSI 2500
MSR 4000 HR	400V	12	24	300 W	MSI 4000
MSR 6000 HR	230V	3.16	55	300 W	MSI 6000
MSR 12000 HR	230V	1.61	84	750 W	MSI 12000
MSR 18000 HR	-	-	-	-	-

Starter specifications

Type of lamp	Starting voltage V		R/C network	Min. starting time (sec)
	min.	max.		
MSR 125 HR	20000	25000	27 Ω /0.5 μ F	2
MSR 200 HR	20000	25000	27 Ω /0.5 μ F	2
MSR 250 HR	-	-	-	-
MSR 400 HR	25000	30000	27 Ω /0.5 μ F	2
MSD 575 HR	25000	30000	-	-
MSR 575 HR	25000	30000	27 Ω /0.5 μ F	2
MSR 1200 HR	45000	55000	27 Ω /0.5 μ F	2
MSR 2500 HR	45000	55000	15 Ω /1 μ F	2
MSR 4000 HR	45000	55000	15 Ω /1 μ F	2
MSR 6000 HR	50000	60000	15 Ω /1 μ F	2
MSR 12000 HR	65000	75000	15 Ω /3 μ F	2
MSR 18000 HR	-	-	-	-

Dealer stamp