



**PHILIPS**


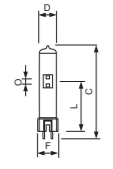

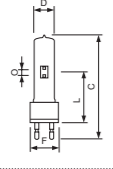

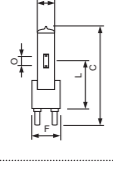


MSR Hot Restrike



# Instant daylight at any time

Thanks to an optimized color temperature and a high color rendering index, the MSR Hot Restrike creates perfect 'daylight' in any condition. Also, the single ended lamp design enables hot re-ignition, which ensures daylight lighting and superb color rendition is always instantly available. They also incorporate the innovative P3 technology, developed by Philips, which allows use at higher temperatures and therefore extends lifetime and consistency of high-quality light output.

# Philips MSR Hot Restrike

Product	Type	Lamp Wattage W	Cap/base	Lumen Output lm	Efficacy Source lm/W	Chromaticity Coordinate x	Chromaticity Coordinate y	Color Temp. (K)	Color Rendering Index Ra	Average lamp life (hrs)	Replacement before (hrs)	Minimum Ignition Supply Voltage (V)	Lamp current (A)	Max. permissible pinch temp	Max. permissible bulb temp
	 MSR 125 HR	125	GZX9.5	9400	75	332	326	6000	92	200	300	207	1.9	350	700
	MSR 200 HR	200	GZY9.5	15000	75	323	323	6000	92	200	400	207	3.3	350	700
	MSR 250 HR	250	GZY9.5	20000	80	309	320	6000	90	750		198	2.6	350	650
	MSR 400 HR	400	GZZ9.5	32000	80	323	328	6000	92	1000	1000	207	6.9	350	700
	 MSR 575 HR	575	G22	49000	85	323	328	6000	90	1000	1200	207	6.95	350	700
	 MSR 1200 HR	1200	G38	110000	91	323	328	6000	95	1000	1200	207	13.8	350	700
	MSR 2500 HR	2500	G38	240000	96	323	328	6000	95	500	750	207	25.6	450	700
	MSR 2500 HR/J	2500	G38	228000	91	322	314	6000	90	500		198	25.6	450	700
	MSR 4000 HR	4000	G38	380000	95	304	310	6000	91	500	650	342	27.5	450	700
	MSR 4000 HR/J	4000	G38	370000	93	323	318	6000	91	500		342	25	450	700
	MSR 6000 HR	6000	GY38	570000	95	323	328	6000	95	300	650	207	55	400	700
	MSR 12000 HR	12000	GY38	1120000	93	321	320	6000	95	300	350	360	84	400	700
	MSR 18000 HR	18000	GX51	1650000	92	323	328	6000	90	300	350	360	77.6	450	700
	MSR 18000 HR	18000	GX51	1650000	92	323	328	6000	90	300	350	360	77.6	450	700

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

## Maximum permissible temperatures (°C)

Type	Pinch	Bulb
MSR 125 HR	350	700
MSR 200 HR	350	700
MSR 400 HR	350	700
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	450	700



## 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.

\*For high wattages only

Type	D Max	O Nom	L	C Max	F
MSR 125 HR	17	4	39±1	77	23.5±0.5
MSR 200 HR	20	5	39±1	80	23.5±0.5
MSR 250 HR	23	5	59±1	110	23.5±0.5
MSR 400 HR	23	6	60±1	110	23.5±0.5
MSR 575 HR	30	7	70±1	145	42±1
MSR 1200 HR	40	10	107±1	200	65±2
MSR 2500 HR	60	14	127±1	240	65±2
MSR 4000 HR	77	20	142±1	255	65±2
MSR 6000 HR	74	23	210±2	375	62±1
MSR 12000 HR	103	30	255±2	460	71±1
MSR 18000 HR	103	44	260±3	490	78±1.5

Dimensions in mm

Features	Benefits
Philips Pinch Protection	Enables use at higher temperatures in any burning position. Longer lifetime, fewer early failures, consistent performance over time
MSR filling	Perfect daylight color due to 6000K temperature with excellent color characteristics required for the set
Optimal discharge tubes geometry	No arc movement
High efficacy	High lumen output
Single ended lamp concept	High beam intensity
Hot Restrike capability	Hot re-ignition is possible ensuring the availability of the light at any time