



# MSR Short Arc – for longer life

## MSR Short Arc

The lamp's short arc and compact design helps enable a compact luminaire that provides high beam intensity, while the excellent color rendition characteristics help ensure optimal colors on stage. The highly innovative P3 technology, developed by Philips, allows MSR Short Arc lamps to be used at higher temperatures in any burning position. The result? Longer lifetime, fewer early failures and a highly consistent performance throughout the lamp's lifetime.

### Benefits

- Enables use at higher temperatures in any burning position. Longer lifetime, fewer early failures, consistent performance over time
- High beam intensity
- Compact design luminaries
- Excellent color characteristics, optimal colors on stage

### Features

- Philips Pinch Protection
- Short arc
- Compact lamp design
- MSR filling

### Application

- Entertainment

### Warnings and Safety

- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.
- Lamp contains mercury. Manage in Accord with Disposal Laws. See: [www.lamprecycle.org](http://www.lamprecycle.org) or 1-800-555-0050

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## Versions



MSR 400 SA, MSR 700 SA

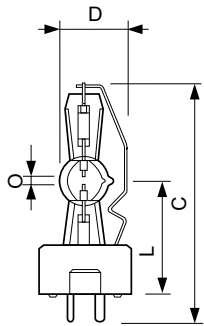


MSR 1200 SA, MSR 2000 SA

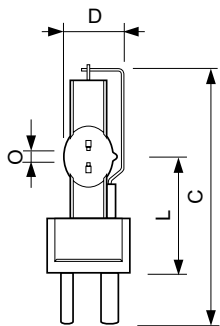


MSR Gold™ 1200 SA/SE

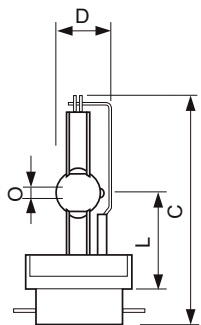
## Dimensional drawing



Product	D (max)	O	L (min)	L (max)	L	C (max)
MSR 700 SA 1CT/4	25 mm	4.0 mm	38 mm	40 mm	39 mm	83 mm



Product	D (max)	O	L (min)	L (max)	L	C (max)
MSR 2000 SA 1CT/8	34 mm	7.0 mm	58 mm	60 mm	59 mm	135 mm
MSR 1200 SA 1CT/4	34 mm	7.0 mm	58 mm	60 mm	59 mm	135 mm



Product	D (max)	O	L (min)	L (max)	L	C (max)
MSR Gold 1200 SA/SE 1CT/3	26.1 mm	5.5 mm	44 mm	46 mm	45 mm	109 mm

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## General Information

Life To 50% Failures (Nom)	750 h
Operating Position	Universal

## Light Technical

Color Code	-
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## Controls and Dimming

Order Code	Full Product Name	Dimmable
287128	MSR 700 SA 1CT/4	No
286872	MSR 1200 SA.1CT/4	No

Order Code	Full Product Name	Dimmable
245415	MSR 2000 SA 1CT/8	Yes
245761	MSR Gold 1200 SA/SE 1CT/3	Yes

## Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
287128	MSR 700 SA 1CT/4	11 A	700 W
286872	MSR 1200 SA.1CT/4	13.8 A	1200 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
245415	MSR 2000 SA 1CT/8	21.5 A	2000 W
245761	MSR Gold 1200 SA/SE 1CT/3	15 A	1200 W

## General Information

Order Code	Full Product Name	Cap-Base	Main Application	System Description
287128	MSR 700 SA 1CT/4	GY9.5	Studio/Disco	Short Arc
286872	MSR 1200 SA.1CT/4	GY22	Studio/Disco	Short Arc
245415	MSR 2000 SA 1CT/8	GY22	Studio/Disco	Short Arc

Order Code	Full Product Name	Cap-Base	Main Application	System Description
245761	MSR Gold 1200 SA/SE 1CT/3	PGJ50	Entertainment	SA/SE

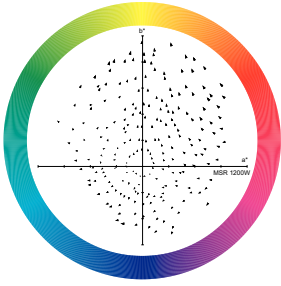
## Light Technical

Order Code	Full Product Name	Correlated Color			
		Temperature (Nom)	Rendering Index (Nom)	Luminous Flux (Min)	Luminous Flux (Nom)
287128	MSR 700 SA 1CT/4	5600 K	80	49500 lm	55000 lm
286872	MSR 1200 SA.1CT/4	6100 K	80	86400 lm	96000 lm

Order Code	Full Product Name	Correlated Color			
		Temperature (Nom)	Rendering Index (Nom)	Luminous Flux (Min)	Luminous Flux (Nom)
245415	MSR 2000 SA 1CT/8	6000 K	89	164000 lm	174000 lm
245761	MSR Gold 1200 SA/SE 1CT/3	6000 K	80	87000 lm	93000 lm

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## Color Rendering Diagrams



XDCR\_XDMSR\_1200W-Colour Rendering  
Vector diagram

