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 or 1-800-555-0050

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Versions

MSR 400 SA, MSR 700 SA

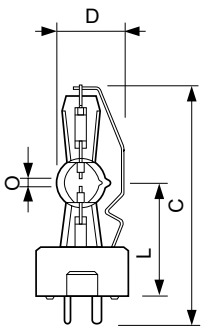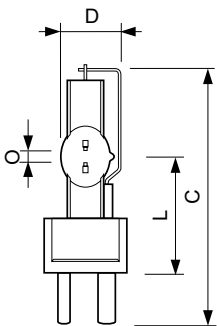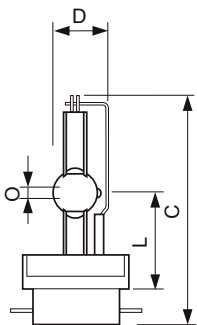**MSR 1200 SA, MSR 2000 SA**

MSR Gold™ 1200 SA/SE

Dimensional drawing

Product	D (max)	O	L (min)	L (max)	L	C (max)
MSR 400 SA 1CT/40	15/16 in	1/8 in	1-7/16 in	1-1/2 in	1-7/16 in	3-3/16 in
MSR 700 SA 1CT/4	1 in	3/16 in	1-1/2 in	1-5/8 in	1-9/16 in	3-5/16 in

Product	D (max)	O	L (min)	L (max)	L	C (max)
MSR 1200 SA 1CT/4	1-3/8 in	5/16 in	2-5/16 in	2-3/8 in	2-3/8 in	5-5/16 in
MSR 2000 SA 1CT/8	1-3/8 in	5/16 in	2-5/16 in	2-3/8 in	2-3/8 in	5-5/16 in

Product	D (max)	O	L (min)	L (max)	L	C (max)
MSR Gold 1200 SA/SE 1CT/3	1-1/16 in	1/4 in	1-3/4 in	1-13/16 in	1-13/16 in	4-5/16 in

MSR Short Arc

General information

Life To 50% Failures (Nom)	750 h
Operating Position	Universal
Light technical	
Color Code	–

Controls and dimming

Order Code	Full Product Name	Dimmable
245001	MSR 400 SA 1CT/40	No
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 (Nom)
245001	MSR 400 SA 1CT/40	8.4 A	400 W
287128	MSR 700 SA 1CT/4	11 A	700 W
286872	MSR 1200 SA.1CT/4	14 A	1200 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (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
245001	MSR 400 SA 1CT/40	GY9.5	Studio/Disco	Short Arc
287128	MSR 700 SA 1CT/4	GY9.5	Studio/Disco	Short Arc
286872	MSR 1200 SA.1CT/4	GY22	Studio/Disco	Short Arc

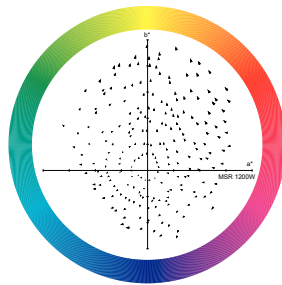| Order Code	Full Product Name	Cap-Base	Main Application	System Description
245415	MSR 2000 SA 1CT/8	GY22	Studio/Disco	Short Arc
245761	MSR Gold 1200 SA/SE 1CT/3	PGJ50	Entertainment	SA/SE

Light technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	Luminous Flux (Min)	Luminous Flux (Nom)
245001	MSR 400 SA 1CT/40	5600 K	75	23500 lm	30000 lm
287128	MSR 700 SA 1CT/4	5600 K	80	–	55000 lm
286872	MSR 1200 SA.1CT/4	6100 K	65	–	96000 lm

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	Luminous Flux (Min)	Luminous Flux (Nom)
245415	MSR 2000 SA 1CT/8	6000 K	85	–	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_400W-Colour Rendering Vector diagram

XDCR_XDMSR_1200W-Colour Rendering Vector diagram

www.lighting.philips.com

2023, January 22 – data subject to change