



PHILIPS

Entertainment
lamps

Philips Entertainment lamps catalogue 2015

Photo credits Clay Paky

Content overview

Touring/Stage 4

MSD Platinum	6
MSR Platinum	8
MSR Gold™ FastFit	9
MSR Gold™ MiniFastFit	11
MSR Gold™ SA Double Ended	13
MSR	15
MSR Short Arc	17
MSI	19



20 DJ/Club

MSD Platinum	22
MSR Gold™ MiniFastFit	24
MSD Gold™ MiniFastFit	25
MSD	26
PAR56 and PAR64	28
Halogen Low Voltage	30



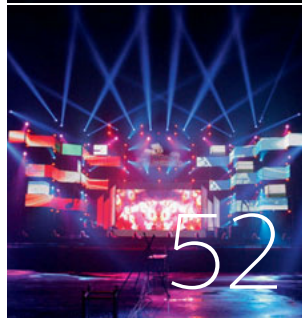
Theater 32

MSR Platinum	34
Hi-Brite	35
Compact Source	37
Blue Pinch	39
Halogen High Voltage SE	40
Halogen FastFit	43
HPL	45
MSR DE	47
StagePainter LED System	48
On Stage	50



52 Film/Studio

MSR Platinum	53
MSR Hot Restrike	54
Halogen High Voltage SE	58
Halogen High Voltage DE	65
Ceramic ST	67



Architainment 70

Architectural MSA	71
Architectural MSD	72
CDM-SA/T	74



76 Appendix



Lamps for touring/stage lighting

Most lighting designers have a true passion for creating spectacular shows. To help bring out the best in their talents, we have developed the Platinum lamp system. Philips Platinum lamps are extremely compact and intense, allowing OEMs to design really small and flexible fixtures that rotate rapidly and highlight every angle on stage. The fixtures with Platinum inside bring the artists' performances to life, creating an experience that the audience will never forget!

*** Platinum technology**

Philips MSD/MSR Platinum lamps are the original, brightest, and most compact short arc lamps on the market, enabling the design of small, flexible, and extremely efficient fixtures. The very short arc produces a sparkling, bright light that eliminates shadows and reproduces vivid colors perfectly. The Platinum system is compact and lightweight too, so it can be used anywhere. In short, more light output, more design possibilities, and less energy consumption.

*** Quality assured**

Since Philips Platinum lamps are technologically advanced, close cooperation is required during the design-in to ensure optimum performance of the entertainment fixture. We therefore advise you to always replace end-of-life lamps with the original Philips Platinum types.

Many OEMs have already integrated Platinum lamps into their entertainment fixtures and our lamps have had the honor of lighting up many famous artists worldwide. For more information, please visit our web site www.philips.com/lighting/entertainment



FastFit lamp replacement

Platinum lamps –

The power to light your creativity

FastFit lamp base for easy lamp replacement

Another successful innovation that is well established in the market is the Philips FastFit concept, developed for single ended MSR Gold™ and halogen Hi-Brite lamps. The rear load lamp base system; enables easy lamp replacement and adjustments in a matter of seconds.

FastFit lamps are also available with a smaller lamp base, called MiniFastFit. These MiniFastFit lamps with a PGJX28 base allow OEMs to make smaller and lighter fixtures compared to the regular FastFit concept, with the PGJX50 lamp base.



Photo credits © Louise Stickland, courtesy Robe Lighting



MSD Platinum 5 R, 14 R



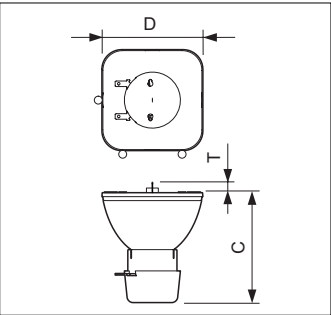
MSD Platinum 15 R, 16 R



MSD Platinum 17 RA



MSD Platinum 20 R



MSD Platinum 5 R, 14 R

MSD Platinum – The power to light your creativity

The MSD Platinum lamps open up new levels of creative freedom in entertainment lighting, with powerful, compact and brilliantly intense light. Their compact, lightweight design provides the freedom to create smaller, lighter luminaires – for use at any location on stage. And their short arc, high color temperature and innovative reflector produce a sparkling, high beam intensity for outstanding color reproduction. They also offer long and reliable lifetime, high efficacy and fast replacement times. It all adds up to an intensely exciting creative experience.

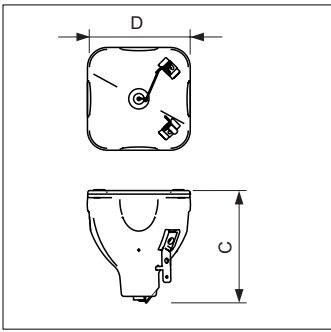
Product Features

- Very short arc
- Compact system
- High correlated color temperature
- Philips Platinum technology

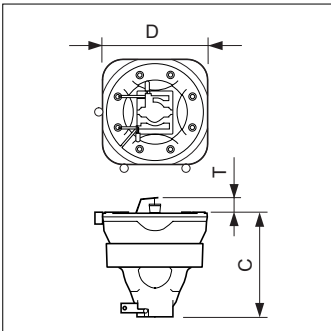
Product Benefits

- High beam intensity
- Freedom to create smaller and lighter fixtures
- High perceived brightness
- A long and reliable performance

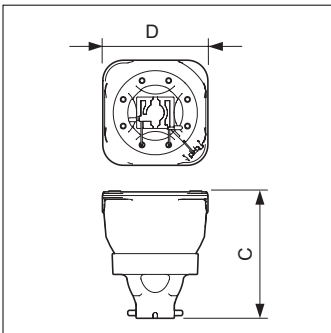
Type	C Max	D Max	T Max
MSD Platinum 5 R	57.1	51.4	6.8
MSD Platinum 14 R	57.1	51.4	6.8



MSD Platinum 15 R, 16 R



MSD Platinum 17 RA



MSD Platinum 20 R

Type	C Max	D Max
MSD Platinum 15 R	66.4	58.5
MSD Platinum 16 R	66.4	58.5

Type	C Max	D Max	T Max
MSD Platinum 17 RA	53	51.5	10.0

Type	C Max	D Max	T Max
MSD Platinum 20 R	72	58.5	-

Type	Lamp Wattage	Arc size	Lumen output	Color Temperature	Color Rendering Index (Ra)	Average lamp life (h)	Operating Position	Pinch Temperature	Ordering number
	(W)	(mm)	(lm)	(K)				(°C)	
Philips MSD Platinum 5 R	190	1.0	7950	8000	75	3000	any	350	9281 908 05314
Philips MSD Platinum 14 R	280	0.8	12000	7800	80	2000	any	350	9281 961 05314
Philips MSD Platinum 15 R	300	1.3	13500	8000	75	2000	any	350	9281 916 05314
Philips MSD Platinum 16 R	330	1.3	16000	8000	75	1500	any	350	9281 952 05314
Philips MSD Platinum 17 RA	350	1.0	>20000	7000	85	1500	any	350	9281 973 05314
Philips MSD Platinum 20 R	470	1.2	>23000	8000	80	1500	any	400	9281 972 05314



MSR Platinum 35

MSR Platinum 35 – enhanced stage lighting

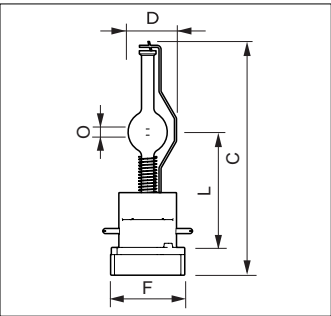
Today’s stage designs call for lighting solutions which deliver high brightness and high-contrast beams to avoid shadow creation, as well as more compact luminaire and fixture designs to improve creative choice and design flexibility. Addressing this need, we have developed an incredibly powerful, brilliant and lightweight, compact system for the most amazing light experience – MSR Platinum 35. This lamp system provides a powerful and innovative tool to create intense lighting and delivers the same good light quality as other MSR lamps. The exceptionally short arc generates sparkling, bright light and this ultra-compact design makes the lamp suitable for smaller stage lighting fixtures.

Product Features

- Very short arc
- Compact system
- High Correlated color temperature
- Philips FastFit technology
- Philips Platinum technology

Product Benefits

- High beam intensity, high brightness
- Freedom to create smaller and lighter fixtures
- High perceived brightness
- Easy and fast lamp replacement
- A long and reliable lifetime



MSR Platinum 35

Type	C Max	D Max	L Min	L Nom	L Max	O Nom
MSR Platinum 35	116	23.5	55	56	57	3.0

Type	Lamp Wattage (W)	Cap-Base	Lumen output (lm)	Efficacy source (lm/W)	Color Temperature (K)	Color Rendering Index (Ra)	Average lamp life (h)	Operating Position
Philips MSR Platinum 35	800	PGJX36	57800	70	7750	75	1000	any

Type	Lamp current (A)	Ordering number
Philips MSR Platinum 35	12.3	9281 909 05114



MSR Gold™ 700, 700/2, 1200 FastFit



MSR Gold™ 1500, 2000, 2000/2, 2500/2 FastFit

MSR Gold™ FastFit – easy lamp replacement in seconds

All lamps burn out eventually, but when this happens with single ended MSR Gold™ FastFit, it is replaced in seconds – thanks to the specially designed lamp base and lamp holder. This lamp provides a high beam intensity of pure, white light for a truly illuminating performance, while the gold-plated caps provide superior heat protection and prevent premature failure. P3 technology allows use in any position and at higher temperatures, further extending lamp life and consistency of high-quality light output. Also, because the FastFit design is applied to Philips Halogen lamps, switching between lamp technologies can be done quickly and easily.

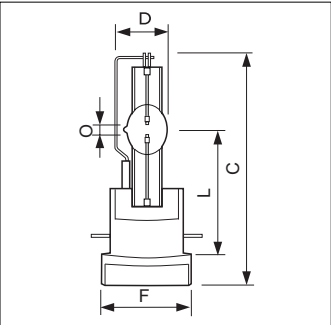
The Philips MSR Gold™ 1200 FastFit can be operated in a lamp wattage range between 800W and 1400W.

Product Features

- Philips FastFit
- Very short arc
- Compact design
- Flexible power range
- Philips pinch protection
- Innovative gold plated pins
- MSR filling

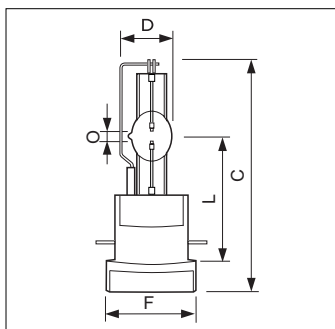
Product Benefits

- Lamp replacement in just seconds, exchangeable with halogen lamp
- High beam intensity
- Easy handling, smaller and lighter fixtures possible
- Boostable light levels
- Enables use at higher temperatures in any burning position. Longer lifetime, fewer early failures, consistent performance over time
- Reduces early lamp or lamp holder failures. Excellent current transfer
- Pure, white light; color point close to black body line



MSR Gold™ 1500, 2000(/2), 2500/2

Type	C Max	D Max	F Nom	L Min	L Nom	L Max	O Nom
MSR Gold™ 1500 FastFit	128	28	50	64	65	66	6.3
MSR Gold™ 1500/1 FastFit	128	28	50	64	65	66	6.3
MSR Gold™ 2000 FastFit	134	34	50	66	67	68	8.0
MSR Gold™ 2000/2 FastFit	134	34	50	66	67	68	8.0
MSR Gold™ 2500/2 FastFit	153	35.5	50	73.9	74.9	75.9	9.5

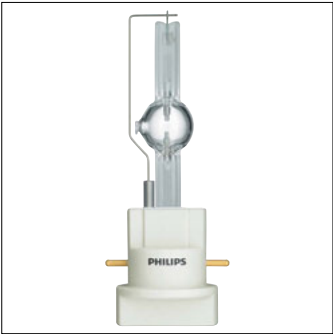


MSR Gold™ 700(/2), 1200

Type	C Max	D Max	F Nom	L Min	L Nom	L Max	O Nom
MSR Gold™ 700 FastFit	112	23.2	50	64	65	66	3.8
MSR Gold™ 700/2 FastFit	112	23.2	50	64	65	66	3.8
MSR Gold™ 1200 FastFit	128	26.1	50	64	65	66	5.5

Type	Lamp Wattage (W)	Cap-Base	Lumen output (lm)	Efficacy source (lm/W)	Color Temperature (K)	Color Rendering Index (Ra)	Average lamp life (h)	Operating Position
Philips MSR Gold™ 700 FastFit	700	PGJX50	50000	71	6000	80	750	any
Philips MSR Gold™ 700/2 FastFit	700	PGJX50	50000	71	7500	75	750	any
Philips MSR Gold™ 1200 FastFit	1200	PGJX50	95000	80	6000	80	750	any
Philips MSR Gold™ 1500 FastFit	1500	PGJX50	120000	80	6000	80	750	any
Philips MSR Gold™ 1500/1 FastFit	1500	PGJX50	127500	85	5700	85	750	any
Philips MSR Gold™ 2000 FastFit	2000	PGJX50	162000	81	6050	91	750	any
Philips MSR Gold™ 2000/2 FastFit	2000	PGJX50	160000	80	7500	88	750	any
Philips MSR Gold™ 2500/2 FastFit	2500	PGJX50	193000	77	7200	85	750	any

Type	Lamp current (A)	Ordering number
Philips MSR Gold™ 700 FastFit	10.2	9281 060 05115
Philips MSR Gold™ 700/2 FastFit	10.2	9281 062 05114
Philips MSR Gold™ 1200 FastFit	15	9281 750 05115
Philips MSR Gold™ 1500 FastFit	15.3	9281 073 05115
Philips MSR Gold™ 1500/1 FastFit	15.3	9281 089 05115
Philips MSR Gold™ 2000 FastFit	15.2	9281 769 05114
Philips MSR Gold™ 2000/2 FastFit	15.4	9281 061 05114
Philips MSR Gold™ 2500/2 FastFit	19.53	9281 064 05115



MSR Gold™ 400, 575/2, 700(1/2) MiniFastFit



MSR Gold™ 1000 MiniFastFit

MSR Gold™ MiniFastFit – lamp replacement in seconds

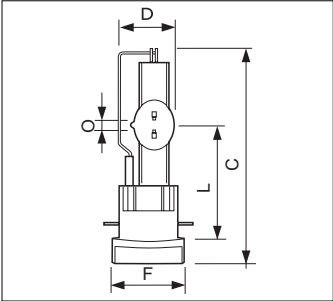
Thanks to the specially designed lamp base, the MSR Gold™ MiniFastFit takes just seconds to replace, to help ensure non-stop clubbing entertainment. In addition, the innovative gold plated pins ensure excellent current transfer to prolong lamp and lamp holder lifetimes and thereby reduce lamp replacement costs. Easy handling and small compact fixture designs are allowed by the lamps compact size, while the very short arc provides a high perceived brightness and high beam intensity.

Product Features

- Philips MiniFastFit
- Compact design
- Innovative gold plated pins
- High color temperature
- Very short arc

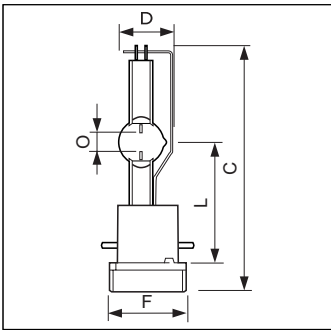
Product Benefits

- Lamp replacement in just seconds
- Easy handling, smaller and lighter fixtures
- Reduces early lamp or lamp holder failures. Excellent current transfer
- High perceived brightness
- High beam intensity



MSR Gold™ MiniFastFit

Type	C Max	D Max	F Min	F Nom	F Max	L Min	L Nom	L Max	O Nom
MSR Gold™ 400 MiniFastFit	111	23.2	35.3	36	36.5	55	56	57	3.0
MSR Gold™ 575/2 MiniFastFit	112	23.2	35.3	36	36.5	55	56	57	3.5
MSR Gold™ 700 MiniFastFit	116	23	35.3	36	36.5	55	56	57	3.5
MSR Gold™ 700/1 MiniFastFit	112	23.2	35.3	36	36.5	55	56	57	3.8
MSR Gold™ 700/2 MiniFastFit	112	23.2	35.3	36	36.5	55	56	57	3.8



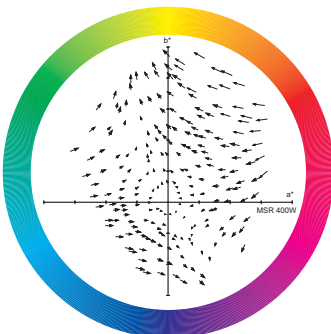
MSR Gold™ 1000 MiniFastFit

Type	C Max	D Max	F Min	F Nom	F Max	L Min	L Nom	L Max	O Nom
MSR Gold™ 1000 MiniFastFit	112	26	35.3	36	36.5	55	56	57	5.5

Type	Lamp Wattage	Cap-Base	Lumen output	Efficacy source	Color Temperature	Color Rendering Index (Ra)	Average lamp life (h)	Operating Position
	(W)		(lm)	(lm/W)	(K)			
Philips MSR Gold™ 400 MiniFastFit	400	PGJX28	26000	65	6700	60	750	any
Philips MSR Gold™ 575/2 MiniFastFit	575	PGJX28	38600	63	7500	70	750	any
Philips MSR Gold™ 700 MiniFastFit	700	PGJX28	49000	70	6000	65	750	any
Philips MSR Gold™ 700/1 MiniFastFit	700	PGJX28	53400	76.3	5700	73	750	any
Philips MSR Gold™ 700/2 MiniFastFit	700	PGJX28	47000	69	7200	75	750	any
Philips MSR Gold™ 1000 MiniFastFit	1000	PGJX36	82000	82	6000	80	750	any

Type	Lamp current	Ordering number
	(A)	
Philips MSR Gold™ 400 MiniFastFit	7.2	9281 940 05114
Philips MSR Gold™ 575/2 MiniFastFit	10.2	9281 840 05115
Philips MSR Gold™ 700 MiniFastFit	10.8	9281 941 05114
Philips MSR Gold™ 700/1 MiniFastFit	10.2	9281 974 05115
Philips MSR Gold™ 700/2 MiniFastFit	10.2	9281 999 05115
Philips MSR Gold™ 1000 MiniFastFit	11.4	9281 714 05115

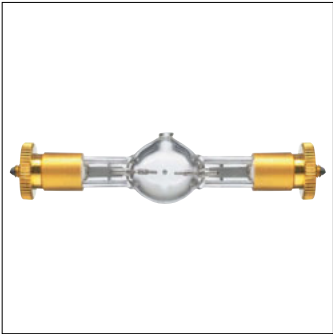
CRV diagram



MSR 400W types



MSR Gold™ SA(2) DE



MSR Gold™ 575 SA/2 DE

MSR Gold™ SA Double Ended – for extended performance

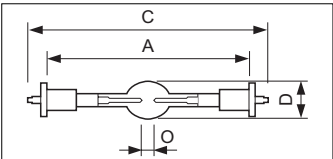
To optimize the total lifetime of the double ended MSR Gold™ SA Double Ended lamps, the caps are plated with gold. This provides superior heat protection and thereby minimizes premature failure of the lamp and lamp holder, as well as ensuring extended consistent performance. In addition, the highly innovative P3 technology, developed by Philips, allows the lamp to be used at higher temperatures, which further extends service life and consistency of high-quality light output.

Product Features

- Philips Pinch Protection
- MSR filling
- Gold plated lamp caps

Product Benefits

- Enables use at higher temperatures in any burning position. Longer lifetime, fewer early failures, consistent performance over time
- Pure, white light; color point close to black body line. Consistent color impression over MSR Range
- Reduces early lamp or lamp holder failures



MSR Gold™ SA/DE

Type	A Min	A Nom	A Max	C Max	D Max	O Nom
MSR Gold™ 575 SA/2 DE	69.6	70	70.4	92	18.5	5.0
MSR Gold™ 700 SA/2 DE	114.4	114.8	115.2	136	19	4.0
MSR Gold™ 1200 SA/DE	114.4	114.8	115.2	136	22	7.0
MSR Gold™ 1200 SA/2 DE	114.4	114.8	115.2	136	22	7.0
MSR Gold™ 1510 SA/DE	114.4	114.8	115.2	136	23	7.0



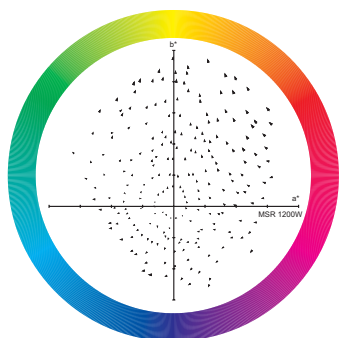
Philips Pinch Protection technology

- **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.

Type	Lamp Wattage	Cap-Base	Lumen output	Efficacy source	Color Temperature	Color Rendering Index (Ra)	Color Temperature	Operating Position
	(W)		(lm)	(lm/W)	(K)		(K)	
Philips MSR Gold™ 575 SA/2 DE	575	SFC-11	42000	73	7500	75	750	any
Philips MSR Gold™ 700 SA/2 DE	700	SFC10-4	56000	80	7500	75	750	any
Philips MSR Gold™ 1200 SA/DE	1200	SFC10-4	106000	91	6000	85	750	any
Philips MSR Gold™ 1200 SA/2 DE	1200	SFC10-4	103000	86	7500	85	750	any
Philips MSR Gold™ 1510 SA/DE	1500	SFC10-4	140000	93	6000	85	750	any

Type	Lamp current	Ordering number
	(A)	
Philips MSR Gold™ 575 SA/2 DE	7	9281 751 05114
Philips MSR Gold™ 700 SA/2 DE	11.5	9281 747 05115
Philips MSR Gold™ 1200 SA/DE	13.6	9280 996 05115
Philips MSR Gold™ 1200 SA/2 DE	13.6	9281 753 05115
Philips MSR Gold™ 1510 SA/DE	13.5	9281 766 05115

CRV diagram



MSR 1200W types



MSR 700 (/2), MSR 1200 (/2)



MSR 400, MSR 575/2

MSR – bright vivid colors, always

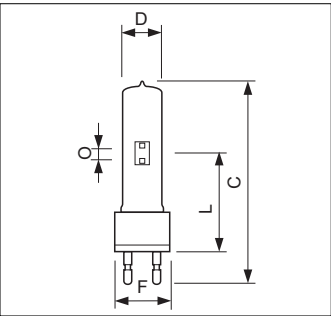
The high color rendering index of the single ended MSR series ensures that everyone in the audience can enjoy the true colors of the scenery, the stage props, the players and their costumes – in fact everything that is on stage can be made bright and vivid in daylight quality light. Also, thanks to the single ended lamp concept, the luminaire has optimal light collection and direction possibilities to help ensure brightness on stage exactly where and when it is needed. In addition, the MSR can be used in any burning position for easy set-up and convenience.

Product Features

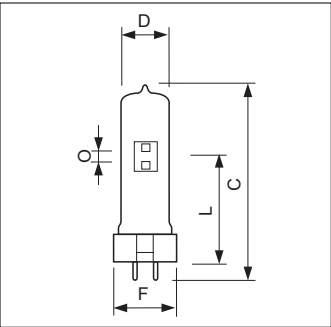
- Single ended lamp concept
- High CRI
- Daylight Color Temperatures

Product Benefits

- Optimal light collection
- Excellent color characteristics
- Brightness on stage



G22



GX9.5

Type	C Max	D Max	F Nom	L Min	L Nom	L Max	O Nom
MSR 700	152	30	42	74	75	76	8.0
MSR 700/2	152	30	42	74	75	76	8.0
MSR 1200	175	40	53	84	85	86	10.0
MSR 1200/2	175	40	53	84	85	86	10.0

Type	C Max	D Max	F Min	F Nom	F Max	L Min	L Nom	L Max	O Nom
MSR 400	112	23	34	35	36	61	62	63	6.0
MSR 575/2 10H	125	30	34	35	36	64	65	66	7.0

Type	Lamp Wattage (W)	Cap-Base	Lumen output (lm)	Efficacy source (lm/W)	Color Temperature (K)	Color Rendering Index (Ra)	Average lamp life (h)	Operating Position
Philips MSR 400	400	GX9.5	32000	80	5900	95	1000	any
Philips MSR 575/2 10H	575	GX9.5	49000	85	7200	70	1000	any
Philips MSR 700	700	G22	55000	80	5900	75	1000	any
Philips MSR 700/2	700	G22	55000	78	7200	80	1000	any
Philips MSR 1200	1200	G22	110000	91	5900	80	800	any
Philips MSR 1200/2	1200	G22	110000	91	7200	85	800	any

Type	Lamp current (A)	Ordering number
Philips MSR 400	6.9	9280 779 05114
Philips MSR 575/2 10H	6.95	9281 716 05115
Philips MSR 700	12	9280 780 05114
Philips MSR 700/2	11	9281 715 05114
Philips MSR 1200	13.8	9280 781 05114
Philips MSR 1200/2	13.8	9281 718 05114



MSR 1200 SA, MSR 2000 SA



MSR 400 SA, MSR 700 SA



MSR Gold™ 1200 SA/SE

MSR Short Arc – for longer life

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.

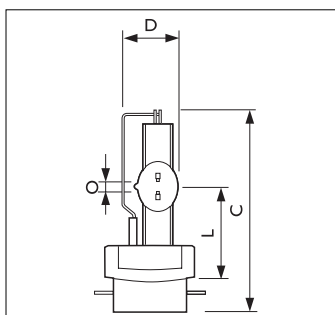
The highly innovative P3 technology, developed by Philips, allows MSR Short Arc lamps to be used at higher temperatures in any burning position. The result? Longer lifetime, fewer early failures and a highly consistent performance throughout the lamp's lifetime.

Product Features

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

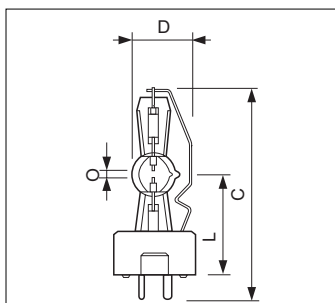
Product Benefits

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



MSR Gold SE

Type	C Max	D Max	L Min	L Nom	L Max	O Nom
MSR Gold™ 1200 SA/SE	109	26.1	44	45	46	5.5



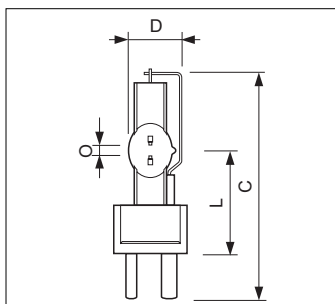
GY9.5

Type	C Max	D Max	L Min	L Nom	L Max	O Nom
MSR 400 SA	80	23.5	36	36.5	37	3.0
MSR 700 SA	83	25	38	39	40	4.0



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.



GY22

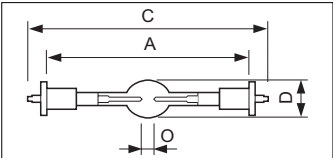
Type	C Max	D Max	L Min	L Nom	L Max	O Nom
MSR 1200 SA	135	34	58	59	60	7.0
MSR 2000 SA	135	34	58	59	60	7.0

Type	Lamp Wattage (W)	Cap-Base	Lumen output (lm)	Efficacy source (lm/W)	Color Temperature (K)	Color Rendering Index (Ra)	Average lamp life (h)	Operating Position
Philips MSR 400 SA	400	GY9.5	30000	75	5600	75	750	any
Philips MSR 700 SA	700	GY9.5	55000	80	5600	80	750	any
Philips MSR 1200 SA	1200	GY22	96000	80	6000	80	750	any
Philips MSR Gold™ 1200 SA/SE	1200	PGJ41	93000	78	6000	80	750	any
Philips MSR 2000 SA	1800	GY22	174000	88	6000	89	750	any

Type	Lamp current (A)	Ordering number
Philips MSR 400 SA	8.4	9281 702 05114
Philips MSR 700 SA	11	9281 703 05115
Philips MSR 1200 SA	13.8	9281 709 05115
Philips MSR Gold™ 1200 SA/SE	15	9281 746 05114
Philips MSR 2000 SA	21.5	9281 732 05114



MSI



MSI

MSI (Touring/Stage) – the true color performer

The excellent color rendition characteristics of the light produced by the MSI (Touring/Stage) lamp helps ensure that audiences are always enthralled by the true natural colors and textures on the stage. What’s more, the high luminous efficacy ensures that these lamps produce consistently high levels of lighting for a relatively small amount of energy consumption, making them the smart on-stage solution in more ways than one.

Product Features

- Excellent color characteristics
- High luminous efficacy

Product Benefits

- Matching colors on the set
- High Light levels

Type	A Max	C Max	D Max	O Nom
MSI 575 HR/2	115	138	21.0	7
MSI 575HR	115	136	21.0	7
MSI 1200 HR	181	220	28.0	10

Type	Lamp Wattage (W)	Cap-Base	Lumen output (lm)	Efficacy source (lm/W)	Color Temperature (K)	Color Rendering Index (Ra)	Average lamp life (h)	Operating Position
Philips MSI 575 HR/2	575	SFC10-4	47000	82	7000	80	750	p15
Philips MSI 575HR	575	SFC10-4	49000	85	6000	80	1000	any
Philips MSI 1200 HR	1200	SFC15.5-6	100000	86	6000	80	750	p10

Type	Lamp current (A)	Ordering number
Philips MSI 575 HR/2	7	9249 117 00040
Philips MSI 575HR	7	9248 410 00040
Philips MSI 1200 HR	13	9248 406 00040

Lamps for dj/club lighting

MSD Platinum – High end reflector lamps

In clubs it is vital to create the right mood with impactful and fast moving lighting effects. Philips Platinum lamps do just that. Their very short arc produces a sparkling, bright light that eliminates shadows and perfectly reproduces brilliant and vivid colors. Moreover, the system is so compact that smaller, lightweight fixtures can be developed, that can be used anywhere and can rotate rapidly around the room. More design possibilities, more impact and less energy consumption.

A range of lamps for every event

The Philips DJ/Club range also features PAR 56 and PAR 64 lamps. An efficient lighting package with high quality Philips components, all optically aligned and sealed into a robust lamp. In line with the renowned Philips Entertainment Lighting standards, Philips PAR lamps offer the very best quality, reliability and lowest cost of ownership available today.





MSD Platinum 2 R



MSD Platinum 5 R

MSD Platinum – The power to light your creativity

The MSD Platinum lamps open up new levels of creative freedom in entertainment lighting, with powerful, compact and brilliantly intense light. Their compact, lightweight design provides the freedom to create smaller, lighter luminaires – for use at any location on stage. And their short arc, high color temperature and innovative reflector produce a sparkling, high beam intensity for outstanding color reproduction. They also offer long and reliable lifetime, high efficacy and fast replacement times. It all adds up to an intensely exciting creative experience.

Product Features

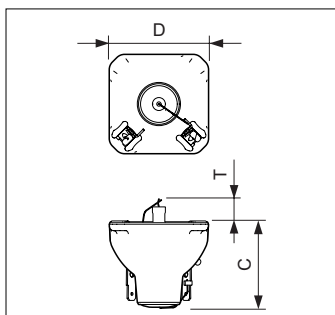
- Very short arc
- Compact system
- High correlated color temperature
- Philips Platinum technology

Product Benefits

- High beam intensity
- Freedom to create smaller and lighter fixtures
- High perceived brightness
- A long and reliable performance

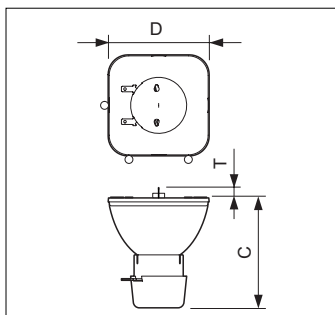


Photo credits Golden Sea



MSD Platinum 2 R

Type	C Max	D Max	T Max
MSD Platinum 2 R	43.5	46.5	13.5



MSD Platinum 5 R

Type	C Max	D Max	T Max
MSD Platinum 5 R	57.1	51.4	6.8

Type	Lamp Wattage	Arc size	Lumen output	Color Temperature	Color Rendering Index (Ra)	Average lamp life (h)	Operating Position	Pinch Temperature	Ordering number
	(W)	(mm)	(lm)	(K)				(°C)	
Philips MSD Platinum 2 R	132	0.9	5150	8000	75	6000	any	350	9281 976 05314
Philips MSD Platinum 5 R	190	1.0	7950	8000	75	3000	any	350	9281 908 05314



MSR Gold™ 300/2 MiniFastFit

MSR Gold™ MiniFastFit – lamp replacement in seconds

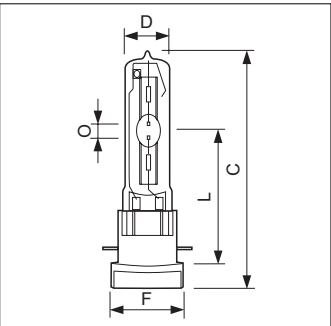
Thanks to the specially designed lamp base and lamp holder, the MSR Gold™ MiniFastFit takes just seconds to replace, to help ensure non-stop clubbing entertainment. In addition, the innovative gold plated pins ensure excellent current transfer to prolong lamp and lamp holder lifetimes and thereby reduce lamp replacement costs. Easy handling and small compact fixture designs are allowed by the lamps compact size, while the very short arc provides a high perceived brightness and high beam intensity.

Product Features

- Philips MiniFastFit
- Compact design
- Innovative gold plated pins
- Color temperature >8000K
- Very short arc

Product Benefits

- Lamp replacement in just seconds
- Easy handling, smaller and lighter fixtures
- Reduces early lamp or lamp holder failures. Excellent current transfer
- High perceived brightness
- High beam intensity



MSR Gold™ 300/2 MiniFastFit

Type	C Max	D Max	L Min	L Nom	L Max	O Nom
MSR Gold™ 300/2 MiniFastFit	126	23	65.8	66.8	67.8	5.0

Type	Lamp Wattage (W)	Cap-Base	Lumen output (lm)	Efficacy source (lm/W)	Color Temperature (K)	Color Rendering Index (Ra)	Average lamp life (h)	Operating Position
Philips MSR Gold™ 300/2 MiniFastFit	300	PGJX28	23000	77	9300	80	750	any

Type	Lamp current (A)	Ordering number
Philips MSR Gold™ 300/2 MiniFastFit	3.8	9281 771 05115



MSD Gold™ MiniFastFit

MSD Gold™ MiniFastFit – replacement in seconds + longer life

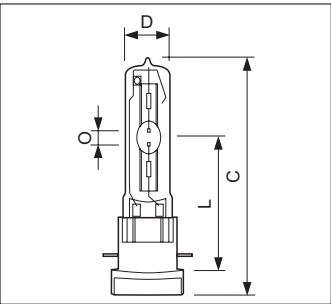
The specially designed lamp base of the MSD Gold™ MiniFastFit means that this lamp can be replaced in just seconds, helping to ensure non-stop entertainment. In addition, the innovative gold plated pins ensure excellent current transfer to prolong lamp and lamp holder lifetimes and thereby reduce lamp replacement costs. The lamp’s compact size allows for easy handling and compact fixture designs, while the very short arc provides a high perceived brightness and high beam intensity. What’s more, the MSD Gold™ MiniFastFit has an extended lifetime, which further reduces lamp replacement costs.

Product Features

- Philips MiniFastFit
- Compact design
- Innovative gold plated pins
- Color temperature >8000K
- Very short arc
- Long lifetime (2000hrs)

Product Benefits

- Lamp replacement in just seconds
- Easy handling, smaller and lighter fixtures
- Reduces early lamp or lamp holder failures.
Excellent current transfer
- High perceived brightness
- High beam intensity
- Less lamp replacement



MSD Gold™ MiniFastFit

Type	C Max	D Max	L Min	L Nom	L Max	O Nom
MSD Gold™ 300/2 MiniFastFit	126	23	65.8	66.8	67.8	5.0

Type	Lamp Wattage (W)	Cap-Base	Lumen output (lm)	Efficacy source (lm/W)	Color Temperature (K)	Color Rendering Index (Ra)	Average lamp life (h)	Operating Position
Philips MSD Gold™ 300/2 MiniFastFit	300	PGJX28	21000	70	8600	70	2000	any

Type	Lamp current (A)	Ordering number
Philips MSD Gold™ 300/2 MiniFastFit	3.8	9281 998 05114



MSD 150/2



MSD 200(/2), MSD 250(/2)

MSD – right light, stage bright

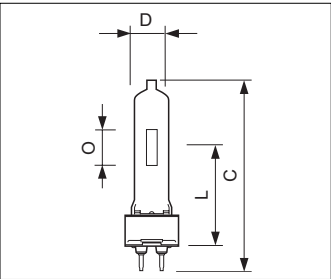
These single ended, compact lamps enable optimal light collection and accurate beam control, while they also provide true daylight color temperatures – all to create great stage brightness and vivid entertainment. And since they offer long lifetime usage they help minimize the cost of ownership via fewer lamp replacements and fewer maintenance man hour costs.

Product Features

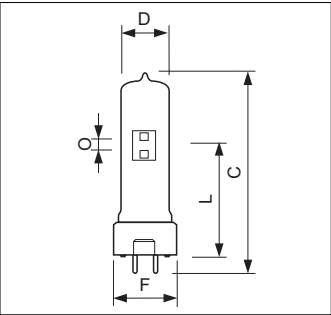
- Single ended lamp concept
- Long life
- Daylight color temperatures

Product Benefits

- Optimal light collection
- Low cost of ownership
- Brightness on stage



MSD 150/2



MSD 200(/2), MSD 250(/2)

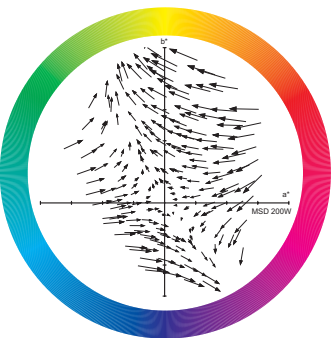
Type	C Max	D Max	L Min	L Nom	L Max	O Nom
MSD 150/2	110	20	55	56	57	5.0

Type	C Max	D Max	F Min	F Nom	F Max	L Min	L Nom	L Max	O Nom
MSD 200	108	23	27	28	29	54	55	56	5.0
MSD 200/2	108	23	27	28	29	54	55	56	5.0
MSD 250	108	23	27	28	29	54	55	56	5.0
MSD 250/2 30H	108	23	27	28	29	54	55	56	5.0

Type	Lamp Wattage (W)	Cap-Base	Lumen output (lm)	Efficacy source (lm/W)	Color Temperature (K)	Color Rendering Index (Ra)	Average lamp life (h)	Operating Position
Philips MSD 150/2	150	G12	10500	70	8500	62	3000	any
Philips MSD 200	200	GY9.5	13500	67	6000	80	2000	any
Philips MSD 200/2	200	GY9.5	13500	67	6700	70	3000	any
Philips MSD 250	250	GY9.5	18000	72	6700	75	3000	any
Philips MSD 250/2 30H	250	GY9.5	18000	72	8500	70	3000	any

Type	Lamp current (A)	Ordering number
Philips MSD 150/2	1.85	9281 728 05114
Philips MSD 200	3.4	9280 972 05114
Philips MSD 200/2	3.4	9280 976 05114
Philips MSD 250	3	9280 987 05114
Philips MSD 250/2 30H	3	9280 990 05115

CRV diagram



MSD 200(/2)



PAR64



PAR56

PAR56 and PAR 64 – picking out the smallest of details

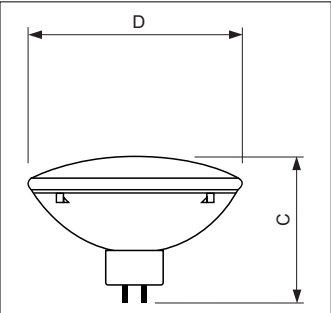
These self-contained spotlights are ideal for intensifying the visual experience in all kinds of clubs, that is because their accurate beam control picks out even the smallest of details even over long distances. This beam control makes the PAR 56 and PAR 64 excellent for long-range light projections. In addition, the universal burning feature provides complete flexibility of luminaires angle and position, while the front glass of the PAR56 provides thermal and physical protection. The result? Complete creative freedom to achieve the desired effect. Immediate re-strike also ensures instant resumption of entertainment after any power interruption.

Product Features

- Self-contained spotlight
- Front glass
- Universal burning
- Hot restrike

Product Benefits

- Allows details to be picked out over long distances with good beam control
- Excellent for long-range light projections
- Provides thermal and physical protection
- Allows fullest flexibility of luminaire angle and position to obtain the desired effect
- Immediate re-strike after any power interruption



PAR56 and PAR64

Type	C Max	D Max
PAR56 300W 230V MFL	127	178
PAR56 300W 240V MFL	127	178
PAR56 300W 230V WFL	127	178
PAR56 300W 240V WFL	127	178
PAR64 250W 28V VNSP	150	204
PAR64 1000W 230V NSP	150	204
PAR64 1000W 240V NSP	150	204
PAR64 1000W 230V VNSP	150	204
PAR64 1000W 240V VNSP	150	204
PAR64 1000W 230V MFL	150	204
PAR64 1000W 240V MFL	150	204

Type	Lamp Wattage (W)	Cap-Base	ANSI Code	LIF Code	Color Temperature (K)	Average lamp life (h)	Operating Position	Ordering number
Philips PAR56 300W 230V MFL	300	GX16d	-	-	3000	2000	any	9247 836 44204
Philips PAR56 300W 240V MFL	300	GX16d	-	-	3000	2000	any	9247 836 45504
Philips PAR56 300W 230V WFL	300	GX16d	-	-	3000	2000	any	9247 837 44204
Philips PAR56 300W 240V WFL	300	GX16d	-	-	2000	2000	any	9247 837 45504
Philips PAR64 250W 28V VNSP	250	Multipurpose	-	-	3200	50	any	9247 832 21704
Philips PAR64 1000W 230V NSP	1000	GX16d	EXD	CP61	3200	300	any	9247 833 44204
Philips PAR64 1000W 240V NSP	1000	GX16d	EXD	CP61	3200	300	any	9247 833 45504
Philips PAR64 1000W 230V VNSP	1000	GX16d	EXC	CP60	3200	300	any	9247 832 44204
Philips PAR64 1000W 240V VNSP	1000	GX16d	EXC	CP60	3200	300	any	9247 832 45504
Philips PAR64 1000W 230V MFL	1000	GX16d	EXE	CP62	3200	300	any	9247 834 44204
Philips PAR64 1000W 240V MFL	1000	GX16d	EXE	CP62	3200	300	any	9247 834 45504



GX5.3 smooth



GZ6.35

Halogen Low Voltage – long life, low costs

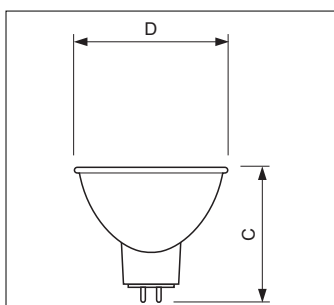
The long lifetime of most of the Halogen Low Voltage lamps is further extended by the unique P3 technology developed by Philips. This allows the lamp to be used at higher temperatures, thereby extending the lamp's lifetime, reducing early failures, and resulting in fewer maintenance man hour costs. P3 also ensures consistency of high-quality light output, and allows the lamp to be used in any burning position, which enables more compact fixture designs. In addition, the compact filament produces a clean white light and high beam intensity for true natural colors on stage and without any hotspots.

Product Features

- Lifetime up to 1000 hours due to Philips Pinch Protection
- Compact filament
- White light
- Even light distribution

Product Benefits

- Lower lamp replacement costs
- High beam intensity
- Pure colors on stage
- Allows creative use without hotspots or shadows



GX5.3, GY5.3, GZ6.35

Type	C Max	D Max
6834/5H 100W GZ6.35 12V	42	50
6423/5H 150W GZ6.35 15V	42	50
ELC/10H 250W GX5.3 24V	44.45	50.67
13163 ELC/5H 250W GX5.3 24V	44.45	50.67

Type	Lamp Wattage (W)	Lamp Voltage (V)	Cap-Base	ANSI Code	LIF Code	Lumen output (lm)	Color Temperature (K)	Average lamp life (h)
Philips 6834/5H 100W GZ6.35 12V	100		GZ6.35	EFP/5H	A1/231-5H	580	3400	500
Philips 6423/5H 150W GZ6.35 15V	150		GZ6.35	EFR/5H	A1/223-5H	720	3400	500
Philips ELC/10H 250W GX5.3 24V	250		GX5.3	ELC/10H	A1/259-10H	-	3400	1000
Philips 13163 ELC/5H 250W GX5.3 24V	250	24	GX5.3	ELC/5H	-	-	3400	500

Type	Operating Position	Pinch Temperature (°C)	Ordering number
Philips 6834/5H 100W GZ6.35 12V	any	350	9240 565 17104
Philips 6423/5H 150W GZ6.35 15V	any	350	9240 592 18504
Philips ELC/10H 250W GX5.3 24V	any	400	9249 132 20540
Philips 13163 ELC/5H 250W GX5.3 24V	s90	400	9248 627 20540

Lamps for theater lighting

The lighting experiences you create have the power to captivate audiences and turn a performance into something magical. To bring out the best in your talents, you need fixtures that maximise your scene-setting capabilities and recreate them perfectly. Now you can do just that with StagePainter. This family of products produces perfectly controllable light thanks to the integrated color mixing to create unique and dynamic environments with flexible scene-setting capabilities. StagePainter products consistently deliver high-quality tunable white and color illumination that creates new value for the lighting designer and OEM fixture manufacturers, such as: creating dramatic effects through electronically fast-switchable light of any color, intensity, hue and saturation enabling scene and mood-setting flexibility.

Exactly the lighting experience you intended







MSR Platinum 35 ST

MSR Platinum 35 ST – The best choice for studio/theater lighting

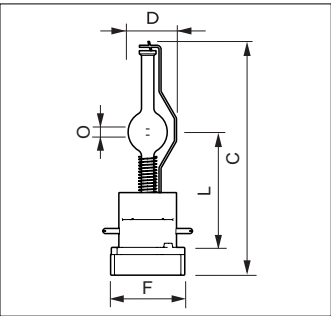
MSR Platinum 35 ST has been specially designed for the studio/theater world, where consistent high-quality light output, high brightness and excellent color rendering are important. This lightweight, compact system delivers intense, cool-white light for the most amazing light experience. It's a powerful and innovative tool, giving lighting designers far greater freedom and delivering the same good light quality as other MSR lamps. The exceptionally short arc generates sparkling, bright light, and the lamp's ultra-compact design makes it suitable for smaller lighting fixtures. The MSR Platinum 35 ST lamp has a balanced spectrum with extra red content for enhanced color rendering.

Product Features

- Very short arc
- Compact system
- High Correlated color temperature
- Philips FastFit technology
- Philips Platinum technology

Product Benefits

- High beam intensity, high brightness
- Freedom to create smaller and lighter fixtures
- High perceived brightness
- Easy and fast lamp replacement
- A long and reliable lifetime



MSR Platinum 35 ST

Type	C Max	D Max	F Nom	L Min	L Nom	L Max	O Nom
MSR Platinum 35 ST	116	24	36	55	56	57	3.0

Type	Lamp Wattage (W)	Cap-Base	Lumen output (lm)	Efficacy source (lm/W)	Color Temperature (K)	Color Rendering Index (Ra)	Average lamp life (h)	Operating Position
Philips MSR Platinum 35 ST	800	PGJX36	57800	70	6000	80	750	any

Type	Lamp current (A)	Ordering number
Philips MSR Platinum 35 ST	10.9	9281 945 05114



6980Z, 7009Z



7015 TXO

Hi-Brite – ease of handling and cost reduction

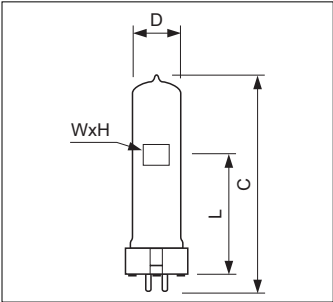
The compact, shock-resistant design of the Hi-Brite lamp series makes it easy to handle and ideal for moving head systems. Also, the compact filament ensures a high beam intensity, which can be used to reduce energy consumption: for example, 1200W can now be used instead of 2500W. In addition, the highly innovative P3 technology, developed by Philips, allows the lamp to be used at higher temperatures in any burning position, which further extends lamp lifetime, reduces lamp replacement costs and ensures consistency of high-quality light output.

Product Features

- Philips Pinch Protection
- Compact, shock resistant design
- Compact filament

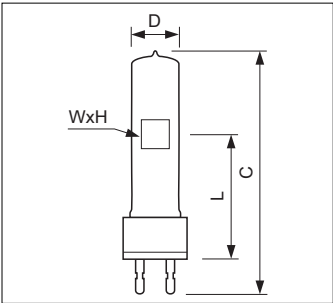
Product Benefits

- Enables use at higher temperatures in any burning position. Longer lifetime, fewer early failures, consistent performance over time
- Easy handling, ideal for moving head systems
- High beam intensity resulting in reduced energy consumption (1200W instead of 2500W)



7015 TXO

Type	C Max	D Max	H Nom	L Nom	W Nom
7015TXO 750W GX9.5 100V	104	19	8.5	55	9.5



6980Z, 7009Z

Type	C Max	D Max	H Nom	L Nom	W Nom
6980Z 1200W G22 80V	140	25	10.2	63.5	11.7
7009Z 1200W G22 80V	140	25	10.2	72.5	11.7



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.

Type	Lamp Wattage	Voltage	Cap-Base	Lumen output	Color Temperature	Average lamp life	Operating Position
	(W)	(V)		(lm)	(K)	(h)	
Philips 6980Z 1200W G22 80V	1200	80	G22	36000	3250	200	any
Philips 7009Z 1200W G22 80V	1200	80	G22	36000	3250	200	any
Philips 7015TXO 750W GX9.5 100V	750	100	GX9.5	20250	3200	300	any

Type	Pinch Temperature	Ordering number
	(°C)	
Philips 6980Z 1200W G22 80V	500	9245 465 28928
Philips 7009Z 1200W G22 80V	500	9245 690 28928
Philips 7015TXO 750W GX9.5 100V	500	9245 745 30928



Compact Source

Compact Source – for higher performance luminaires

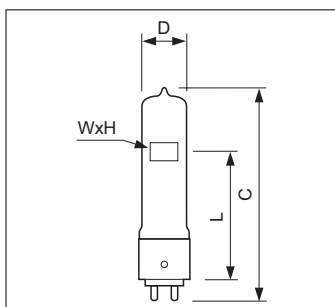
The very compact filament in the Compact Source series helps create a proportionately high beam intensity and the Compact Source range is therefore ideal for the latest generation of high-performance luminaires. Also, thanks to their low energy consumption, each dimmer can serve significantly more fixtures, thereby reducing overall dimmer costs. What's more, the Compact Source lamps incorporate the innovative P3 technology, developed by Philips, which enables the lamps to be used at higher temperatures in any burning position. This results in longer lamp lifetimes, reduced lamp replacement costs, and a more consistent lighting performance over the whole lifetime of the lamp.

Product Features

- Philips P3 pinch protection
- Very compact filament

Product Benefits

- Enables use at higher temperatures in any burning position. Longer lifetime, fewer early failures, consistent performance over time.
- High beam intensity. Due to low energy consumption, more fixtures from each dimmer can be offered.



Compact Source

Type	C Max	D Max	H Nom	L Nom	W Nom
6982P 800W G9.5 230V	104	20	12.5	60.5	9
6982P 800W G9.5 240V	104	19	12.5	60.5	9
6986P 600W G9.5 230V	101	19	12	60.5	8
6986P 600W G9.5 240V	101	19	12	60.5	8
6989P 575W G9.5 115V	101	19	7.5	60.5	9
6991P 600W G9.5 230V	101	19	15.5	60.5	8.5
6991P 600W G9.5 240V	101	19	15.5	60.5	8.5
6992P 575W G9.5 115V	101	19	9.5	60.5	9

Type	Lamp Wattage (W)	Voltage (V)	Cap-Base	ANSI Code	Lumen output (lm)	Color Temperature (K)	Average lamp life (h)	Operating Position
Philips 6982P 800W G9.5 230V	800	230	G9.5	-	20000	3200	200	any
Philips 6982P 800W G9.5 240V	800	240	G9.5	-	20000	3200	200	any
Philips 6986P 600W G9.5 230V	600	230	G9.5	GKV	14700	3200	300	any
Philips 6986P 600W G9.5 240V	600	240	G9.5	GKV	15000	3200	300	any
Philips 6989P 575W G9.5 115V	575	115	G9.5	GLC	15500	3200	400	any
Philips 6991P 600W G9.5 230V	600	230	G9.5	GLB	13000	3100	1500	any
Philips 6991P 600W G9.5 240V	600	240	G9.5	GLB	13000	3100	1500	any
Philips 6992P 575W G9.5 115V	575	115	G9.5	GLA	13500	3100	1200	any

Type	Pinch Temperature (°C)	Ordering number
Philips 6982P 800W G9.5 230V	500	9245 456 44228
Philips 6982P 800W G9.5 240V	500	9245 456 45528
Philips 6986P 600W G9.5 230V	500	9245 344 44228
Philips 6986P 600W G9.5 240V	500	9245 344 45528
Philips 6989P 575W G9.5 115V	500	9245 342 34428
Philips 6991P 600W G9.5 230V	500	9245 386 44228
Philips 6991P 600W G9.5 240V	500	9245 386 45528
Philips 6992P 575W G9.5 115V	500	9245 385 34428



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.



Blue pinch

Blue Pinch – high power, low weight

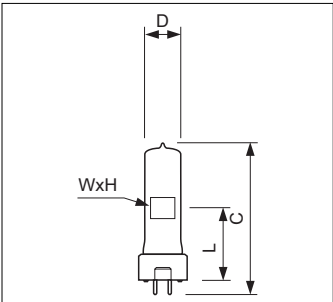
The small lamp size of the Blue Pinch series combined with the high performance pinch protection technology enables fixture manufacturers to create light and compact luminaires with a very high lumen output.

Product Features

- Enables a significant reduction of light centre length (LCL), or an increase in lamp power by up to 300 per cent with same LCL, compared with unprotected lamps
- Unique pinch protection

Product Benefits

- Meet the needs of fixture manufacturers who wish to create compact and lightweight luminaires without sacrificing lumen output or lamp life
- Lamp pinch can be operated at up to 500°C



Blue pinch

Type	C Max	D Max	H Nom	L Nom	W Nom
6995I/BP 1000W GY9.5 230V	95	22	14.5	46.5	11
6995I/BP 1000W GY9.5 240V	95	22	14.5	46.5	11

Type	Lamp Wattage	Voltage	Cap-Base	ANSI Code	Lumen output	Color Temperature	Average lamp life	Operating Position
	(W)	(V)			(lm)	(K)	(h)	
Philips 6995I/BP 1000W GY9.5 230V	1000	230	GY9.5	GAB	25000	3200	250	s90
Philips 6995I/BP 1000W GY9.5 240V	1000	240	GY9.5	GAD	25000	3200	250	s90

Type	Pinch Temperature	Ordering number
	(°C)	
Philips 6995I/BP 1000W GY9.5 230V	500	9245 267 44228
Philips 6995I/BP 1000W GY9.5 240V	500	9245 267 45528



GX9.5



GY9.5



P28s

Halogen High Voltage SE (Theater) – super extended lamp life

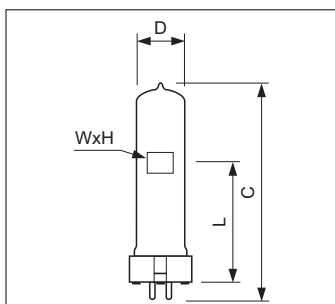
Two distinctive features make this lamp ideal for use in theater luminaires where long life is essential. Firstly, the filament is especially designed for extended lifetime. Secondly the highly innovative P3 technology, developed by Philips, allows the pinch to better withstand extreme heat conditions which extends the average lamp lifetime, ensures consistent high-quality light output over time, and results in fewer early failures and fewer maintenance man hour costs.

Product Features

- Philips Pinch Protection
- Special filament design for use in luminaires where longer life is of great importance

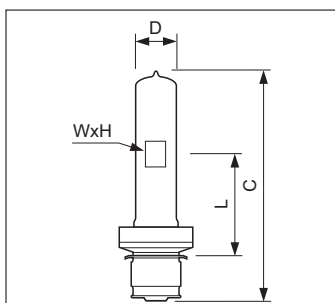
Product Benefits

- Enables use at higher temperatures in any burning position. Longer lifetime, fewer early failures, consistent performance over time.
- Ideal for theater lighting applications



GX9.5

Type	C Max	D Max	H Nom	L Nom	W Nom
6998P 650W GX9.5 230V	110	22	12.5	55	10
6998P 650W GX9.5 240V	110	22	12.5	55	10
6996P 1000W GX9.5 230V	110	23	17	55	11
6996P 1000W GX9.5 240V	110	23	17	55	11
6897P 1200W GX9.5 230V	120	25	14.5	67	15
6897P 1200W GX9.5 240V	120	25	14.5	67	15



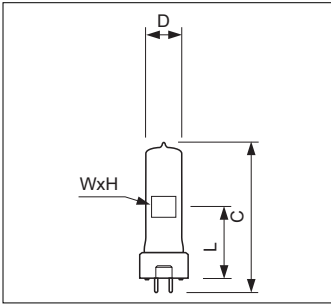
P28s

Type	C Max	D Max	H Nom	L Nom	W Nom
6800C 500W P28s 120V	130	20	10	55.6	8.5
6800C 500W P28s 240V	130	22	13	55.6	9.5
6996C 1000W P28s 230V	125	23	16	55.6	10
6996C 1000W P28s 240V	125	23	16	55.6	10



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.



GY9.5

Type	C Max	D Max	H Nom	L Nom	W Nom
6874P 300W GY9.5 230V	80	18	14	46.5	8
6874P 300W GY9.5 240V	80	18	14	46.5	8
6820P 500W GY9.5 230V	90	22	11	46.5	11
6820P 500W GY9.5 240V	90	22	11	46.5	11
6877P 500W GY9.5 230V	85	18	21	46.5	8
6877P 500W GY9.5 240V	85	18	21	46.5	8
6823P 650W GY9.5 230V	90	22	13.5	46.5	11
6823P 650W GY9.5 240V	90	22	13.5	46.5	11

Type	Lamp Wattage	Voltage	Cap-Base	ANSI Code	LIF Code	Lumen output	Color Temperature	Average lamp life
	(W)	(V)				(lm)	(K)	(h)
Philips 6874P 300W GY9.5 230V	300	230	GY9.5	-	M/38	5100	2950	2000
Philips 6874P 300W GY9.5 240V	300	240	GY9.5	-	M/38	5100	2950	2000
Philips 6800C 500W P28s 120V	500	120	P28s	BTL	-	11000	2950	750
Philips 6800C 500W P28s 240V	500	240	P28s	-	T/24 (T/17)	9500	2950	900
Philips 6820P 500W GY9.5 230V	500	230	GY9.5	GCV/GVH	T/25 (T/18)	11000	3000	360
Philips 6820P 500W GY9.5 240V	500	240	GY9.5	GCW/GCJ	T/25 (T/18)	11000	3000	360
Philips 6877P 500W GY9.5 230V	500	230	GY9.5	-	M/40	10000	2950	2000
Philips 6877P 500W GY9.5 240V	500	240	GY9.5	-	M/40	10000	2950	2000
Philips 6823P 650W GY9.5 230V	650	230	GY9.5	GCK/GCT	T/27 (T/26)	14500	3050	600
Philips 6823P 650W GY9.5 240V	650	240	GY9.5	GCL/GCS	T/27 (T/26)	14500	3050	600
Philips 6998P 650W GX9.5 230V	650	230	GX9.5	-	T/21 (T/12)	13000	3000	900
Philips 6998P 650W GX9.5 240V	650	240	GX9.5	-	T/21 (T/12)	12600	3000	900
Philips 6996C 1000W P28s 230V	1000	230	P28s	FKD	T/20 (T/14)	21000	3050	900
Philips 6996C 1000W P28s 240V	1000	240	P28s	FKD	T/20 (T/14)	21000	3050	900
Philips 6996P 1000W GX9.5 230V	1000	230	GX9.5	FWP	T/19 (T/11)	21000	3050	900
Philips 6996P 1000W GX9.5 240V	1000	240	GX9.5	FWR	T/19 (T/11)	21000	3050	900
Philips 6897P 1200W GX9.5 230V	1200	230	GX9.5	FWS	T/29	27600	3000	480
Philips 6897P 1200W GX9.5 240V	1200	240	GX9.5	FWT	T/29	27600	3000	480

Type	Operating Position	Pinch Temperature	Ordering number
		(°C)	
Philips 6874P 300W GY9.5 230V	any	400	9239 497 43228
Philips 6874P 300W GY9.5 240V	any	400	9239 497 45728
Philips 6800C 500W P28s 120V	any	350	9245 166 36328
Philips 6800C 500W P28s 240V	any	500	9238 547 45528
Philips 6820P 500W GY9.5 230V	any	500	9238 940 43228
Philips 6820P 500W GY9.5 240V	any	500	9238 940 45528
Philips 6877P 500W GY9.5 230V	any	400	9239 498 43228
Philips 6877P 500W GY9.5 240V	any	400	9239 498 45728
Philips 6823P 650W GY9.5 230V	any	500	9238 654 43228
Philips 6823P 650W GY9.5 240V	any	500	9238 654 45528
Philips 6998P 650W GX9.5 230V	any	500	9238 650 43228
Philips 6998P 650W GX9.5 240V	any	500	9238 650 45528
Philips 6996C 1000W P28s 230V	any	500	9238 652 43228

Halogen High Voltage SE (Theater)

Type	Operating Position	Pinch Temperature (°C)	Ordering number
Philips 6996C 1000W P28s 240V	any	500	9238 652 45528
Philips 6996P 1000W GX9.5 230V	any	500	9238 651 43228
Philips 6996P 1000W GX9.5 240V	any	500	9238 651 45528
Philips 6897P 1200W GX9.5 230V	any	500	9238 537 42928
Philips 6897P 1200W GX9.5 240V	any	500	9238 537 45528



Halogen FastFit

Halogen FastFit - lamp replacement in seconds

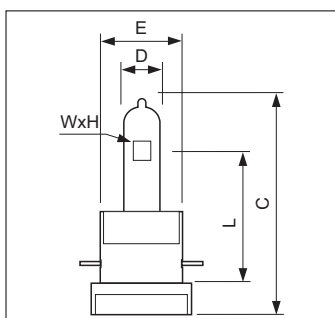
Halogen FastFit lamps are replaced in seconds – thanks to the specially designed base. The compact filament ensures high beam intensity, while the shock-resistant design allows easy handling and reliable use in moving head systems. In addition, the highly innovative P3 technology allows use at higher temperatures, which further extends lifetime and consistency of light output. P3 technology also allows the lamp to be used in any burning position and enables more compact designs of fixtures. And because the FastFit design is also applied to Philips MSR/MSD Gold™ lamps, switching lamp technologies is also quick and easy.

Product Features

- Philips FastFit
- Compact Filament
- Philips P3 pinch protection technology
- Compact, shock resistant design

Product Benefits

- Lamp replacement in just seconds, exchangeable with HID lamp
- High beam intensity
- Enables use at higher temperatures in any burning position. Longer lifetime, fewer early failures, consistent performance over time
- Easy handling, ideal for moving head systems



Halogen FastFit

Type	C Max	D Max	E Max	H Nom	L Nom	W Nom
Hi-Brite 7016G 1200W 80V FastFit	140	25	41	10.5	82	11.7
Hi-Brite 7017G 750W 80V FastFit	125	19	41	10	65	8.5
7018G 800W 230V FastFit	140	19	41	12.5	79	9
7019G 750W 115V FastFit	140	19	41	9	79	9.5
7021G 575W 115V LL FastFit	140	19	41	9.5	79	9

Type	Lamp Wattage	Voltage	Cap-Base	ANSI Code	Lumen output	Color Temperature	Average lamp life	Operating Position
	(W)	(V)			(lm)	(K)	(h)	
Philips Hi-Brite 7016G 1200W 80V FastFit	1200	80	PGJX50	-	36000	3250	200	any
Philips Hi-Brite 7017G 750W 80V FastFit	750	80	PGJX50	-	22500	3250	300	any
Philips 7018G 800W 230V FastFit	800	230	PGJX50	GRT	20000	3200	150	any
Philips 7019G 750W 115V FastFit	750	115	PGJX50	GRS	20500	3200	300	any
Philips 7021G 575W 115V LL FastFit	575	115	PGJX50	NPA	12400	3000	1500	any



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.

Type	Pinch Temperature (°C)	Ordering number
Philips Hi-Brite 7016G 1200W 80V FastFit	500	9245 752 28928
Philips Hi-Brite 7017G 750W 80V FastFit	500	9245 768 28928
Philips 7018G 800W 230V FastFit	500	9245 823 44228
Philips 7019G 750W 115V FastFit	500	9245 824 34428
Philips 7021G 575W 115V LL FastFit	480	9245 828 34428



HPL

HPL – approved for Source Four™

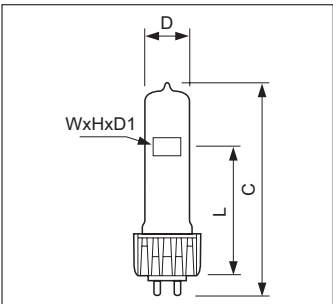
HPL lamps include a barrel-shaped filament that is approved by ETC for use in its Source Four™ fixtures. Bright, high quality light and high beam intensity is assured by the optimal filament design, while the unique P3 technology, developed by Philips, allows the lamp to be used at higher temperatures, which extends lifetime and consistency of high-quality light output, resulting in fewer early failures and fewer maintenance man hour costs.

Product Features

- Philips Pinch Protection
- Optimal filament
- Designed for Source Four™ fixtures

Product Benefits

- Enables use at higher temperature in any burning position. Longer lifetime, fewer early failures, consistent performance over time.
- High beam intensity
- High beam intensity and high quality bright light



HPL

Type	C Max	D Max	D1 Nom	H Nom	L Nom	W Nom
7007 575W Heat Sink 115V	104	19	6	9	60.3	6
7007 575W Heat Sink 230V	104	19	7.5	9.5	60.3	8.6
7007 575W Heat Sink 240V	104	19	7.5	10	60.3	8.6
7007/LL 575W Heat Sink 115V	104	19	6	11	60.3	6
7007/LL 575W Heat Sink 230V	104	19	7.5	11.5	60.3	8.6
7007/LL 575W Heat Sink 240V	104	19	8	11.5	60.3	9.2
7008 750W Heat Sink 115V	104	19	6.3	10.5	60.3	6.3
7008 750W/Heat Sink 230V	104	19	7.5	11.5	60.3	8.6
7008 750W Heat Sink 240V	104	19	7.5	11.5	60.3	8.6



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.

Type	Lamp Wattage	Voltage	Cap-Base	Lumen output	Color Temperature	Average lamp life (h)	Operating Position	Pinch Temperature
	(W)	(V)		(lm)	(K)			(°C)
Philips 7007 575W Heat Sink 115V	575	115	Heat Sink	16520	3250	300	any	500
Philips 7007 575W Heat Sink 230V	575	230	Heat Sink	14900	3200	400	any	500
Philips 7007 575W Heat Sink 240V	575	240	Heat Sink	14900	3200	400	any	500
Philips 7007/LL 575W Heat Sink 115V	575	115	Heat Sink	12360	3050	2000	any	480
Philips 7007/LL 575W Heat Sink 230V	575	230	Heat Sink	11760	3050	1500	any	480
Philips 7007/LL 575W Heat Sink 240V	575	240	Heat Sink	11760	3050	1500	any	480
Philips 7008 750W Heat Sink 115V	750	115	Heat Sink	21900	3250	300	any	500
Philips 7008 750W/Heat Sink 230V	750	230	Heat Sink	19750	3200	300	any	500
Philips 7008 750W Heat Sink 240V	750	240	Heat Sink	19750	3200	300	any	500

Type	Ordering number
Philips 7007 575W Heat Sink 115V	9245 549 34428
Philips 7007 575W Heat Sink 230V	9245 549 44228
Philips 7007 575W Heat Sink 240V	9245 549 45528
Philips 7007/LL 575W Heat Sink 115V	9245 550 34428
Philips 7007/LL 575W Heat Sink 230V	9245 550 44228
Philips 7007/LL 575W Heat Sink 240V	9245 550 45528
Philips 7008 750W Heat Sink 115V	9245 551 34428
Philips 7008 750W/Heat Sink 230V	9245 551 44228
Philips 7008 750W Heat Sink 240V	9245 551 45528



MSR DE

MSR DE – compact power

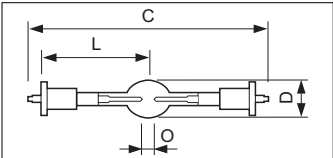
The MSR DE offers 1800 watts of power but has the same dimensions as an MSI 1200W lamp, enabling fixtures to combine power with compact design. Or, to put it another way: it gives more light for more punch. The MSR filling provides a pure, white light and high consistency color impression over MSR range, it also ensures a stable color temperature over its entire lifetime.

Product Features

- MSR filling
- Same dimensions as MSI 1200W

Product Benefits

- Pure, white light. Color point close to black body line
- Consistent color impression over MSR range
- Stable color temperature over lifetime
- More light in same size, for more punch
- Allows compact fixture design



MSR 1800 DE

Type	C Max	D Max	L Min	L Nom	L Max	O Nom
MSR 1800 DE	220	28.5	66	67	68	10.0

Type	Lamp Wattage	Cap-Base	Lumen output	Efficacy source	Color Temperature	Color Rendering Index (Ra)	Average lamp life (h)	Operating Position
	(W)		(lm)	(lm/W)	(K)			
Philips MSR 1800 DE	1800	SFC15.5-6	145000	80	6000	85	750	any

Type	Lamp current	Ordering number
	(A)	
Philips MSR 1800 DE	20	9281 067 05120



StagePainter

Exactly the lighting experience you intended

The StagePainter family of products produces perfectly controllable light due to the integrated color mixing to create unique and dynamic environments with flexible scene-setting capabilities. StagePainter products consistently deliver high-quality tunable white and color illumination that creates new value for the lighting designer and OEM fixture manufacturers, such as:

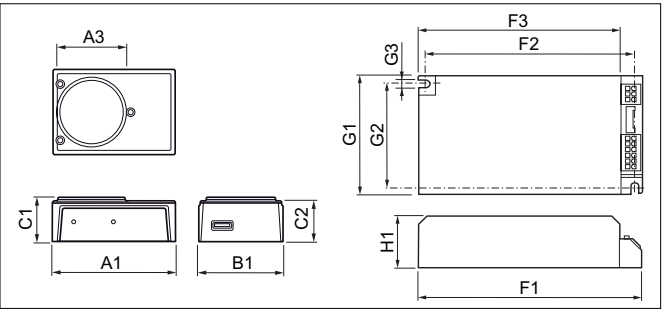
- Creating dramatic effects through electronically fast-switchable light of any color, intensity, hue and saturation
- Enabling scene and mood-setting flexibility

Product Features

- Smart System (LED module + driver + DMX interface)
- Internal color feedback mechanism
- Integrated color mixing
- High color purity
- Smooth dimming
- Adjustable Tc: 2700-6500K

Product Benefits

- OEMs: Easy design in. Lighting Designers: Easy, intuitive interface
- High color consistency over time and between modules
- High quality of light: Perfect color homogeneity on output window; therefore no color shadows
- Nice saturated colors can be displayed
- Dimming to 0 without visible steps
- Allows perfect control of color temperature and light output level, ideal for TV studio



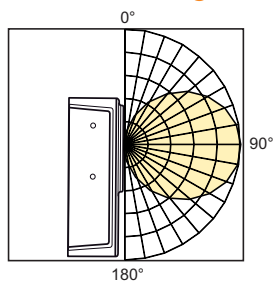
StagePainter

Type	A1 Nom	A3 Nom	B1 Nom	C1 Nom	C2 Nom	F1 Nom	F2 Nom	F3 Nom	G1 Nom	G2 Nom	G3 Nom	H1 Nom
StagePainter LED System D60 2000 4k	121.6	66.8	82.8	43.9	40.4	138	128.5	124.4	74	63.6	4.5	32
StagePainter LED System D60 2000	121.6	66.8	82.8	43.9	40.4	138	128.5	124.5	74	63.6	4.5	32

Type	Luminous Flux (Lm)	Dimming (%)	Correlated Color Temperature	Color Rendering Index (Ra)	RGB Gamut R: x=0.670, y=0.320; G: x=0.210, y=0.670; B: x=0.150, y=0.080	Color Consistency 0 hour	Color Consistency 10 000 hour	Luminous Efficacy System (Lm/W)
Philips StagePainter LED System D60 2000	2000	100-0	6500	90	R: x=0.670, y=0.320; G: x=0.210, y=0.670; B: x=0.150, y=0.080	5	6	50
Philips StagePainter LED System D60 2000 4k	2000	100-0	6500	90	R: x=0.670, y=0.320; G: x=0.210, y=0.670; B: x=0.150, y=0.080	5	6	50

Type	Lumen maintenance a 50000 hrs (%)		Line Frequency (Hz)	Control Interface for Module	T-case Maximum Gear	T-case Maximum LED module (°C)	Operating Position	Ordering number
	Power (W)	Input voltage (V)						
Philips StagePainter LED System D60 2000	70	120-277	50-60	DMX/RDM	65	65	any	9144 999 99101
Philips StagePainter LED System D60 2000 4k	50	120-277	50-60	DMX/RDM	65	65	any	9144 999 88801

Photometric diagram



StagePainter



On Stage

Discover the Art of Entertainment

Join Philips On Stage –
an integrated loyalty platform

- At Philips, we would like you to be closely involved with our innovations and products. That's why we have started the Philips On Stage club.
- Philips On Stage is the club for Real Artists in the entertainment industry: lighting designers, operators and installers working in the entertainment industry.

Why join Philips On Stage?

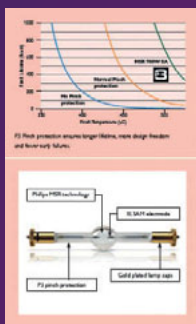
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Hall-of-fame & inside stories

Get inspired by real-life stories, and unravel the secrets of lighting up entertainment shows across the world.

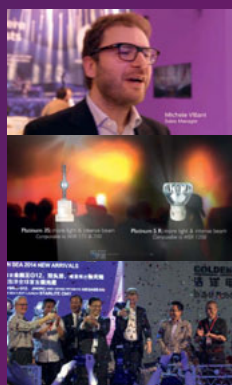
2



Lighting technology

Receive advice on how to improve light quality and deliver consistent performance during shows.

3



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4



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Lamps for **film/studio lighting**

As every stage director knows, color purity and evenly distributed light are essential ingredients for any production. This is especially true for accurate reproduction of skin tones.

Philips Platinum 35 ST lamps have been specially developed for Studio/Theater lighting fixtures to ensure consistent high quality light output with the right level of brightness, color rendering and color temperature in any lighting position. The result is attractive and accurately exposed pictures for film and video.

In addition to MSR Platinum 35 ST lamps, the range also includes MSR Hot Restrike lamps. The lamps create perfect daylight under any condition. They give excellent quality and the right amount of light, constantly on tap. Furthermore they are stable and reliable ensuring perfect performance conditions, and their compact Single Ended Lamp technology enables hot re-ignition while maintaining superb color characteristics.

“In fact it’s early evening... I make it high noon.”



MSR Platinum 35 ST

MSR Platinum 35 ST – The best choice for studio/theater lighting

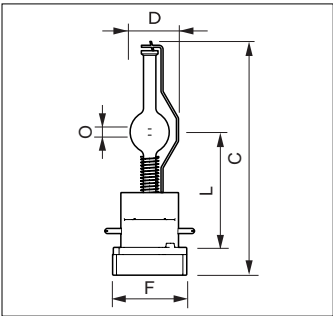
MSR Platinum 35 ST has been specially designed for the studio/theater world, where consistent high-quality light output, high brightness and excellent color rendering are important. This lightweight, compact system delivers intense, cool-white light for the most amazing light experience. It's a powerful and innovative tool, giving lighting designers far greater freedom and delivering the same good light quality as other MSR lamps. The exceptionally short arc generates sparkling, bright light, and the lamp's ultra-compact design makes it suitable for smaller lighting fixtures. The MSR Platinum 35 ST lamp has a balanced spectrum with extra red content for enhanced color rendering.

Product Features

- Very short arc
- Compact system
- High Correlated color temperature
- Philips FastFit technology
- Philips Platinum technology

Product Benefits

- High beam intensity, high brightness
- Freedom to create smaller and lighter fixtures
- High perceived brightness
- Easy and fast lamp replacement
- A long and reliable lifetime



MSR Platinum 35 ST

Type	C Max	D Max	F Nom	L Min	L Nom	L Max	O Nom
MSR Platinum 35 ST	116	24	36	55	56	57	3.0

Type	Lamp Wattage (W)	Cap-Base	Lumen output (lm)	Efficacy source (lm/W)	Color Temperature (K)	Color Rendering Index (Ra)	Average lamp life (h)	Operating Position
Philips MSR Platinum 35 ST	800	PGJX36	57800	70	6000	80	750	any

Type	Lamp current (A)	Ordering number
Philips MSR Platinum 35 ST	10.9	9281 945 05114



MSR 6000 HR, MSR 12000 HR,
MSR 18000 HR



MSR 575 HR

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.

Product Features

- Philips Pinch Protection
- MSR filling
- Optimal discharge tubes geometry
- High efficacy
- Single ended lamp concept
- Hot Restrike capability

Product Benefits

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



MSR 125 HR, MSR 200 HR, MSR
250 HR, MSR 400 HR



MSR 1200 HR



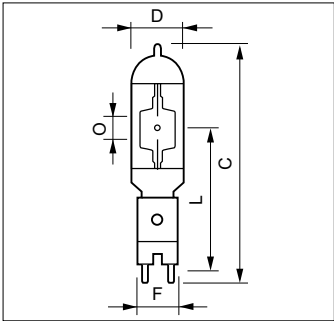
MSR 2500 HR, MSR 4000 HR



Philips Pinch Protection technology

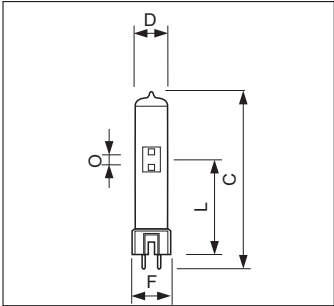
- **Reliability**, through longer lifetime and fewer early failures.
- **Quality**, through excellent storage characteristics and consistent performance over time.
- **Compactness**, allowing more compact design of fixtures and burning positions.

For 2500W and higher



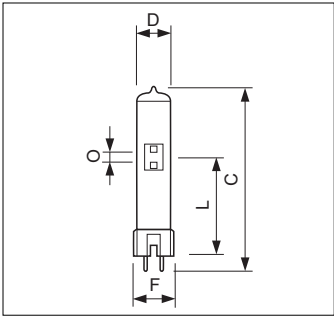
MSR 6000 HR, MSR 12000 HR, MSR 18000 HR

Type	C Max	D Max	F Min	F Nom	F Max	L Min	L Nom	L Max	O Nom
MSR 6000 HR	375	74	61	62	63	208	210	212	23
MSR 12000 HR	460	103	70	71	72	253	255	257	30
MSR 18000 HR	490	103	76.5	78	79.5	257	260	263	44



MSR 125 HR

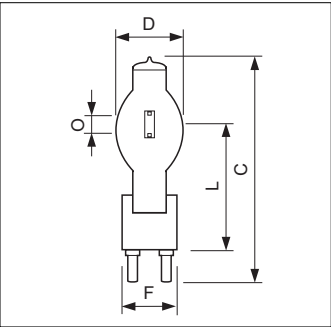
Type	C Max	D Max	F Min	F Nom	F Max	L Min	L Nom	L Max	O Nom
MSR 125 HR	77	17	23	23.5	24	38	39	40	4.0



MSR 400 HR

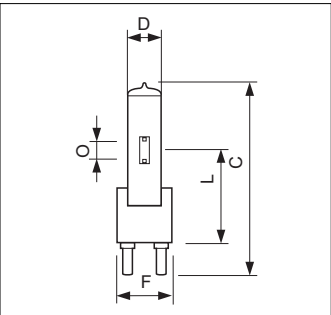
Type	C Max	D Max	F Min	F Nom	F Max	L Min	L Nom	L Max	O Nom
MSR 400 HR	110	23	23	23.5	24	59	60	61	6.0

MSR Hot Restrike



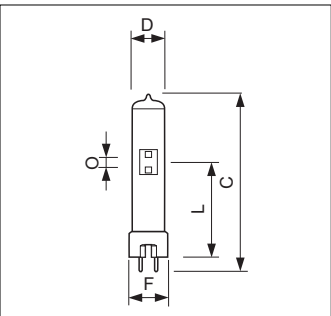
MSR 2500 HR, MSR 4000 HR

Type	C Max	D Max	F Min	F Nom	F Max	L Min	L Nom	L Max	O Nom
MSR 2500 HR	255	77	63	65	67	141	142	143	20.0
MSR 2500 HR/J	255	77	63	65	67	141	142	143	20.0
MSR 4000 HR	240	60	63	65	67	126	127	128	14.0
MSR 4000 HR/J	240	60	63	65	67	126	127	128	14.0



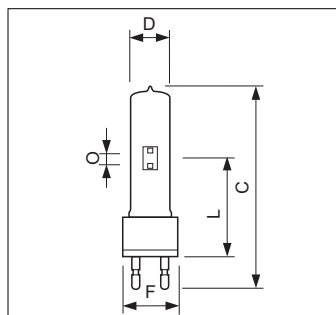
MSR 1200 HR

Type	C Max	D Max	F Min	F Nom	F Max	L Min	L Nom	L Max	O Nom
MSR 1200 HR	200	40	63	65	67	106	107	108	10.0



MSR 200 HR, MSR 250 HR

Type	C Max	D Max	F Min	F Nom	F Max	L Min	L Nom	L Max	O Nom
MSR 200 HR	80	20	23	23.5	24	38	39	40	5.0
MSR 250 HR	110	23	23	23.5	24	58	59	60	5.0



G22

Type	C Max	D Max	F Min	F Nom	F Max	L Min	L Nom	L Max	O Nom
MSR 575 HR	145	30	41	42	43	69	70	71	7.0

Type	Lamp Wattage (W)	Cap-Base	Lumen output (lm)	Efficacy source (lm/W)	Color Temperature (K)	Color Rendering Index (Ra)	Average lamp life (h)	Operating Position
Philips MSR 125 HR	125	GZX9.5	9400	75	6000	92	200	any
Philips MSR 200 HR	200	GZY9.5	15000	75	6000	92	200	any
Philips MSR 250 HR	250	GZY9.5	20000	80	6000	90	750	any
Philips MSR 400 HR	400	GZZ9.5	32000	80	6000	92	1000	any
Philips MSR 575 HR	575	G22	49000	85	6000	90	1000	any
Philips MSR 1200 HR	1200	G38	110000	91	6000	95	1000	any
Philips MSR 2500 HR	2500	G38	240000	96	6000	95	500	any
Philips MSR 2500 HR/J	2500	G38	228000	91	6000	90	500	any
Philips MSR 4000 HR	4000	G38	380000	95	7270	91	500	any
Philips MSR 4000 HR/J	4000	G38	370000	93	6000	91	500	any
Philips MSR 6000 HR	6000	GY38	570000	95	6000	95	300	any
Philips MSR 12000 HR	12000	GY38	1120000	93	6000	95	300	any
Philips MSR 18000 HR	18000	GX51	1650000	92	6000	90	300	any

Type	Lamp current (A)	Ordering number
Philips MSR 125 HR	1.9	9280 602 05114
Philips MSR 200 HR	3.3	9280 979 05114
Philips MSR 250 HR	2.6	9281 756 05114
Philips MSR 400 HR	6.9	9280 502 05114
Philips MSR 575 HR	6.95	9280 977 05114
Philips MSR 1200 HR	13.8	9281 050 05114
Philips MSR 2500 HR	25.6	9281 049 05114
Philips MSR 2500 HR/J	25.6	9281 742 05114
Philips MSR 4000 HR	27.5	9280 504 05114
Philips MSR 4000 HR/J	25	9281 738 05114
Philips MSR 6000 HR	55	9281 727 05120
Philips MSR 12000 HR	84	9281 733 05120
Philips MSR 18000 HR	77.6	9281 055 05120



G9.5



G38



GY9.5



P28s



GX9.5



GY16



G22



GX9.5 with reflector

Halogen High Voltage SE (Film/Studio) – stars on film and video

The high, constant output and consistent color temperature of these single ended halogen lamps ensure attractive, accurately exposed pictures for both film and video. Furthermore, these lamps incorporate the highly innovative P3 technology, developed by Philips. This allows the lamps to be used at higher temperatures, which extends overall lifetime and consistency of their high-quality light output. P3 technology also allows the lamp to be used in any burning position and enables more compact designs of fixtures. In addition, the very wide choice of dimensions and power ratings opens new levels of creative freedom for the luminaire designer.

Product Features

- Studio/film: all lamps have a correlated color temperature of 3200K and P3 technology
- Video: high constant light output and color temperature

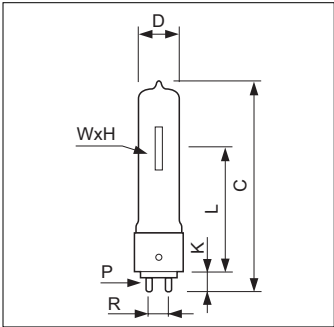
Product Benefits

- Studio/film: High lumen output
- Studio/film: Enables use at higher temperatures in any burning position. Longer lifetime, fewer early failures, consistent performance over time.
- Video: Makes attractive, accurately exposed pictures possible



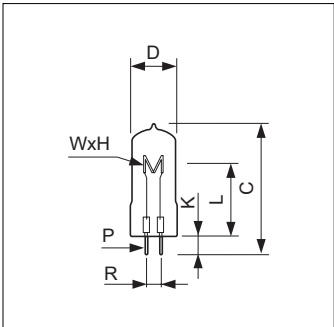
Philips Pinch Protection technology

- **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.



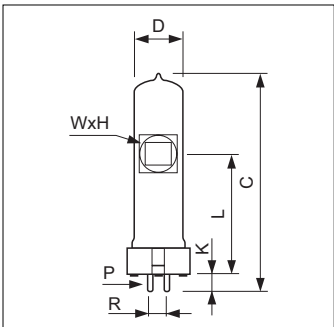
G9.5

Type	C Max	D Max	H Nom	K Min	K Max	L Nom	P Min	P Max	R Nom	W Nom
6983P 1000W G9.5 120V	105	20	23	9.53	11.43	60.5	3.10	3.25	9.53	6
6983P 1000W G9.5 230V	105	20	23	9.53	11.43	60.5	3.10	3.25	9.53	6
6983P 1000W G9.5 240V	105	20	23	9.53	11.43	60.5	3.10	3.25	9.53	6



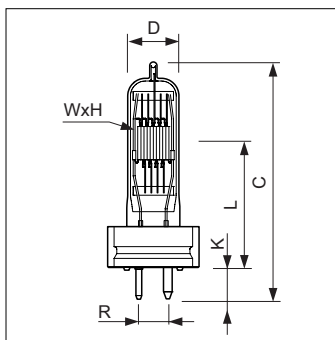
GX6.35

Type	C Max	D Max	H Nom	K Min	K Nom	K Max	L Nom	P Min	P Nom	P Max	R Min	R Nom	R Max	W Nom
VL300 300W GX6.35 230V	56	18	9	6.5	7	7.5	31.5	0.95	1	1.05	6.1	6.35	6.6	6



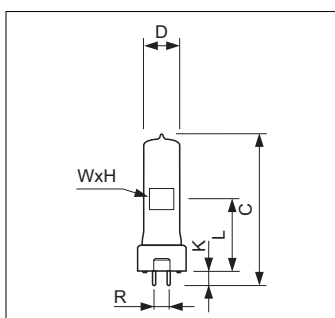
GX9.5 with reflector

Type	C Max	D Max	H Nom	K Min	K Max	L Nom	P Min	P Max	R Nom	W Nom
6984P 1000W GX9.5 230V	110	23	13	8.4	9.2	55	3.10	3.25	9.53	15.5



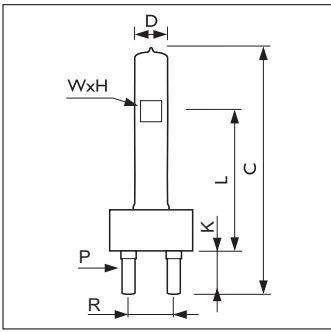
GY16

Type	C Max	D Max	H Nom	K Min	K Max	L Nom	R Nom	W Nom
6994P 2000W GY16 230V	145	29	18.5	15.4	17	70	15.87	17
6994P 2000W GY16 240V	145	29	18.5	15.4	17	70	15.87	17



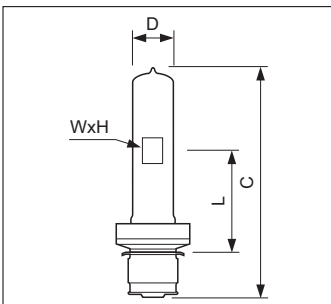
GY9.5

Type	C Max	D Max	H Nom	K Min	K Nom	K Max	L Nom	R Nom	W Nom
6872P 300W GY9.5 230V	90	18	13	7.11	-	8.64	46.5	9.53	8
6872P 300W GY9.5 240V	90	18	13	7.11	-	8.64	46.5	9.53	8
6873P 500W GY9.5 230V	90	18	18	7.11	-	8.64	46.5	9.53	8
6873P 500W GY9.5 240V	90	18	18	7.11	-	8.64	46.5	9.53	8
7389 500W GY9.5 230V	75	22	9	7.0	7.7	8.6	36.5	9.53	10.5
7389 500W GY9.5 240V	75	22	9	7.0	7.7	8.6	36.5	9.53	10.5
6638P 650W GY9.5 120V	90	22	12	7.0	7.7	8.6	46.5	9.53	11
6638P 650W GY9.5 230V	90	22	12	7.0	7.7	8.6	46.5	9.53	11
6638P 650W GY9.5 240V	90	22	12	7.0	7.7	8.6	46.5	9.53	11



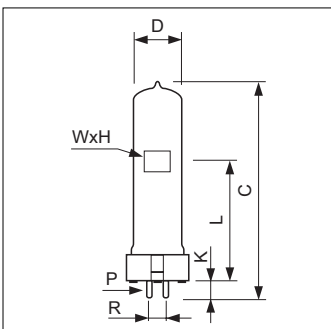
G38

Type	C Max	D Max	H Nom	K Max	L Nom	P Min	P Max	R Nom	W Nom
6995Y 1000W G38 120V	200	30.5	13.5	23.96	127	10.97	11.23	38.1	11
6994Z 2000W G38 120V	210	40	15.5	23.96	127	10.97	11.23	38.1	17
6994Z 2000W G38 230V	210	40	18.5	23.96	127	10.97	11.23	38.1	17
6994Z 2000W G38 240V	210	40	18.5	23.96	127	10.97	11.23	38.1	17
6963Z 5000W G38 230V NO	280	62	28.5	23.96	165	10.97	11.23	38.1	26
6963Z 5000W G38 240V	280	62	28.5	23.96	165	10.97	11.23	38.1	26



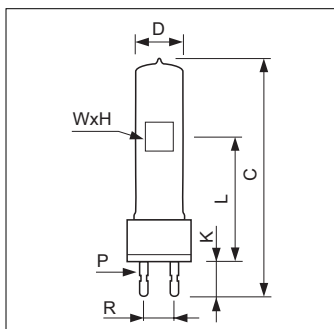
P28s

Type	C Max	D Max	H Nom	L Nom	W Nom
7001C 750W P28s 120V	127	22	11	55.6	10



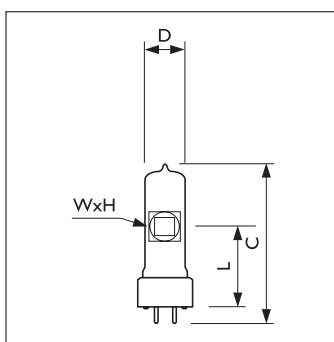
GX9.5

Type	C Max	D Max	H Nom	K Min	K Max	L Nom	P Min	P Max	R Nom	W Nom
6993P 650W GX9.5 230V	110	22	10	8.4	9.2	55	3.10	3.25	9.53	10
6995P 1000W GX9.5 230V	110	23	14.5	8.4	9.2	55	3.10	3.25	9.53	11
1000W GX9.5 230V	110	30.5	14.5	8.4	9.2	55	3.10	3.25	9.53	11
6995P 1000W GX9.5 240V	110	23	14.5	8.4	9.2	55	3.10	3.25	9.53	11
1200W GX9.5 120V	110	30.5	14.5	8.4	9.2	55	3.10	3.25	9.53	11
6895P 1200W GX9.5 230V	120	28	15.5	8.4	9.2	67	3.10	3.25	9.53	17



G22

Type	C Max	D Max	H Nom	K Min	K Max	L Nom	P Min	P Max	R Nom	W Nom
6993Z 650W G22 230V	140	22	10	24.89	26.54	63.5	6.30	6.40	22.22	10
6995Z 1000W G22 120V	140	28	10.5	24.89	26.54	63.5	6.30	6.40	22.22	10
6995Z 1000W G22 230V	140	28	14.5	24.89	26.54	72.5	6.30	6.40	22.22	11
6995Z 1000W G22 240V	140	28	14.5	24.89	26.54	72.5	6.30	6.40	22.22	11
7002Y 1000W G22 115V	140	22	10.5	24.89	26.54	72.5	6.30	6.40	22.22	11.5
7002Y 1000W G22 230V	140	28	14.5	24.89	26.54	72.5	6.30	6.40	22.22	11
7002Y 1000W G22 240V	140	22	13.5	24.89	26.54	72.5	6.30	6.40	22.22	11.5
6975Z 2000W G22 230V	175	40	18.5	24.89	26.54	90	6.30	6.40	22.22	17
6975Z 2000W G22 240V	175	40	18.5	24.89	26.54	90	6.30	6.40	22.22	17
6994Y 2000W G22 230V	160	40	18.5	24.89	26.54	75	6.30	6.40	22.22	17



GY9.5 with reflector

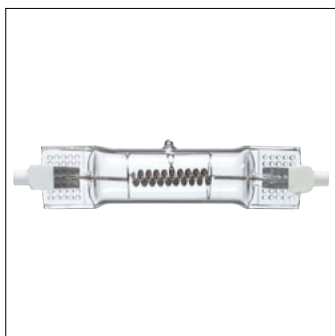
Type	Lamp Wattage (W)	Voltage (V)	Cap-Base	ANSI Code	LIF Code	Lumen output (lm)	Color Temperature (K)	Average lamp life (h)
Philips 6872P 300W GY9.5 230V	300	230	GY9.5	FSL	CP/81	7050	3200	150
Philips 6872P 300W GY9.5 240V	300	240	GY9.5	FSK	CP/81	7050	3200	150
Philips 6872P 300W GY9.5 240V	300	240	GY9.5	FSK	CP/81	7050	3200	150
Philips 6873P 500W GY9.5 230V	500	230	GY9.5	FRH	CP/82	13500	3200	150
Philips 6873P 500W GY9.5 240V	500	240	GY9.5	FRJ	CP/82	13500	3200	150
Philips 7389 500W GY9.5 230V	500	230	GY9.5	-	A1/244	14000	3200	50
Philips 7389 500W GY9.5 240V	500	240	GY9.5	-	A1/244	14000	3200	50
Philips 6638P 650W GY9.5 120V	650	120	GY9.5		-	16900	3200	200
Philips 6638P 650W GY9.5 230V	650	230	GY9.5	FRL	CP/89	16500	3200	180
Philips 6638P 650W GY9.5 240V	650	240	GY9.5	FRM	CP/89	16500	3200	180
Philips 6993P 650W GX9.5 230V	650	230	GX9.5	FVC	CP/67 (CP/23)	16500	3200	120
Philips 6993Z 650W G22 230V	650	230	G22	FKH	CP/68 (CP/39)	16500	3200	120

Type	Lamp Wattage	Voltage	Cap-Base	ANSI Code	LIF Code	Lumen output	Color Temperature	Average lamp life
	(W)	(V)				(lm)	(K)	(h)
Philips 7001C 750W P28s 120V	750	120	P28s	BTN	-	17500	3200	500
Philips 1000W GX9.5 230V	1000	230	GX9.5	-	-	25000	3200	200
Philips 6983P 1000W G9.5 120V	1000	120	G9.5	FEL	CP/77	27000	3200	300
Philips 6983P 1000W G9.5 230V	1000	230	G9.5	FEP	CP/77	26000	3200	180
Philips 6983P 1000W G9.5 240V	1000	240	G9.5	FEP	CP/77	26000	3200	180
Philips 6984P 1000W GX9.5 230V	1000	230	GX9.5	-	CP/63	22500	3200	180
Philips 6995P 1000W GX9.5 230V	1000	230	GX9.5	FVA	CP/70 (CP/24)	25000	3200	240
Philips 6995P 1000W GX9.5 240V	1000	240	GX9.5	FVB	CP/70 (CP/24)	25000	3200	240
Philips 6995Y 1000W G38 120V	1000	120	G38	CYV	-	27000	3200	175
Philips 6995Z 1000W G22 120V	1000	120	G22	EGT	-	27000	3200	240
Philips 6995Z 1000W G22 230V	1000	230	G22	FKJ	CP/71 (CP/40)	25000	3200	240
Philips 6995Z 1000W G22 240V	1000	240	G22	FKJ	CP/71 (CP/40)	25000	3200	240
Philips 7002Y 1000W G22 115V	1000	115	G22	-	-	29000	3200	250
Philips 7002Y 1000W G22 230V	1000	230	G22	-	-	29000	3200	200
Philips 7002Y 1000W G22 240V	1000	240	G22	-	-	29000	3200	250
Philips 1200W GX9.5 120V	1200	120	GX9.5	-	-	34200	3200	150
Philips 6895P 1200W GX9.5 230V	1200	230	GX9.5	-	CP/90	30000	3200	240
Philips 6975Z 2000W G22 230V	2000	230	G22	-	CP/92	50000	3200	400
Philips 6975Z 2000W G22 240V	2000	240	G22	-	CP/92	50000	3200	400
Philips 6994P 2000W GY16 230V	2000	230	GY16	FTM	CP/72 (CP/43)	50000	3200	480
Philips 6994P 2000W GY16 240V	2000	240	GY16	FTL	CP/72 (CP/43)	50000	3200	480
Philips 6994Y 2000W G22 230V	2000	230	G22	-	CP/75 (CP/55)	50000	3200	480
Philips 6994Z 2000W G38 120V	2000	120	G38	CYX	-	54000	3200	420
Philips 6994Z 2000W G38 230V	2000	230	G38	FKK/FKP	CP/73 (CP/41)	50000	3200	480
Philips 6994Z 2000W G38 240V	2000	240	G38	FKK/FKP	CP/73 (CP/41)	50000	3200	480
Philips 6963Z 5000W G38 230V NO	5000	230	G38	-	CP/85 (CP/29)	132500	3200	400
Philips 6963Z 5000W G38 240V	5000	240	G38	-	CP/85 (CP/29)	132500	3200	420
Philips VL300 300W GX6.35 230V	300	230	GX6.35	-	-	8550	3200	20

Type	Operating Position	Pinch Temperature	Ordering number
		(°C)	
Philips 6872P 300W GY9.5 230V	any	350	9239 495 42928
Philips 6872P 300W GY9.5 240V	any	350	9239 495 45791
Philips 6872P 300W GY9.5 240V	any	350	9239 495 45728
Philips 6873P 500W GY9.5 230V	any	350	9239 496 42928
Philips 6873P 500W GY9.5 240V	any	350	9239 496 45528
Philips 7389 500W GY9.5 230V	s90	400	9238 716 43228
Philips 7389 500W GY9.5 240V	s90	400	9238 716 45728
Philips 6638P 650W GY9.5 120V	any	500	9245 013 36348
Philips 6638P 650W GY9.5 230V	any	500	9245 013 42928
Philips 6638P 650W GY9.5 240V	any	500	9245 013 45528
Philips 6993P 650W GX9.5 230V	s90	400	9238 903 42928
Philips 6993Z 650W G22 230V	any	500	9238 904 42928
Philips 7001C 750W P28s 120V	any	500	9245 097 36328
Philips 1000W GX9.5 230V	any	450	9245 051 44234
Philips 6983P 1000W G9.5 120V	any	500	9244 006 36335

Halogen High Voltage SE (Film/Studio)

Type	Operating Position	Pinch Temperature (°C)	Ordering number
Philips 6983P 1000W G9.5 230V	any	500	9244 000 42928
Philips 6983P 1000W G9.5 240V	any	500	9244 000 45528
Philips 6984P 1000W GX9.5 230V	any	500	9238 913 42928
Philips 6995P 1000W GX9.5 230V	any	500	9238 846 42928
Philips 6995P 1000W GX9.5 240V	any	500	9238 846 45528
Philips 6995Y 1000W G38 120V	s90	400	9238 518 36328
Philips 6995Z 1000W G22 120V	any	500	9238 801 36328
Philips 6995Z 1000W G22 230V	any	500	9238 847 42928
Philips 6995Z 1000W G22 240V	any	500	9238 847 45528
Philips 7002Y 1000W G22 115V	any	500	9245 536 34428
Philips 7002Y 1000W G22 230V	any	500	9245 536 44228
Philips 7002Y 1000W G22 240V	any	500	9245 536 45528
Philips 1200W GX9.5 120V	any	500	9245 215 36328
Philips 6895P 1200W GX9.5 230V	s90	400	9239 314 42928
Philips 6975Z 2000W G22 230V	s90	400	9245 154 44248
Philips 6975Z 2000W G22 240V	s90	400	9245 154 45548
Philips 6994P 2000W GY16 230V	s90	400	9238 910 42948
Philips 6994P 2000W GY16 240V	s90	400	9238 910 45548
Philips 6994Y 2000W G22 230V	s90	400	9238 947 42948
Philips 6994Z 2000W G38 120V	s90	400	9245 026 36349
Philips 6994Z 2000W G38 230V	s90	400	9238 911 42948
Philips 6994Z 2000W G38 240V	s90	400	9238 911 45548
Philips 6963Z 5000W G38 230V NO	any	500	9238 659 42924
Philips 6963Z 5000W G38 240V	any	500	9238 659 45524
Philips VL300 300W GX6.35 230V	any	400	9239 494 43258



RX7s



R7s

Halogen High Voltage DE – great color for film and video

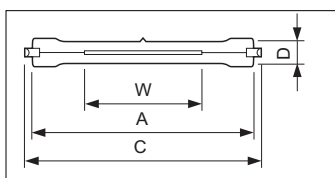
The high, constant light output and consistent color temperature of these double ended high voltage halogen lamps ensure attractive, accurately exposed pictures for both film and video. In addition, the wide choice of dimensions and power ratings opens new levels of creative freedom for the luminaire designer.

Product Features

- Studio/film: Color temperature of 3200K
- Video: High constant light output and color temperature

Product Benefits

- Studio/film: Good color rendering
- Video: Makes attractive, accurately exposed pictures possible



R7s, RX7s

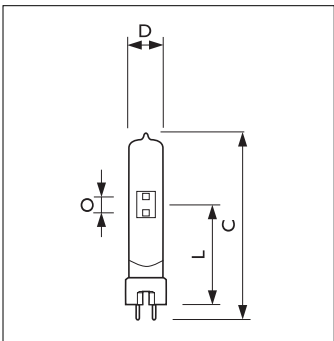
Type	A Nom	C Max	D Max	W Nom
13477R 800W R7s 230V	114.2	117.5	11	60
13477R 800W R7s 240V	114.2	117.5	11	60
7786R 1000W R7s 230V	114.2	117.5	11	60
7786R 1000W R7s 240V	114.2	117.5	11	60
13989R 1000W R7s 230V	185.7	189.1	11	120
13989R 1000W R7s 240V	185.7	189.1	11	120
PF801 R 1000W R7s 230V	121.7	125.1	9	72
6358R 1250W R7s 230V	185.7	189.1	11	120
6358R 1250W R7s 240V	185.7	189.1	11	120

Type	Lamp Wattage (W)	Voltage (V)	Cap-Base	ANSI Code	LIF Code	Lumen output (lm)	Color Temperature (K)	Average lamp life (h)
Philips 13477R 800W R7s 230V	800	230	R7s	EME	P2/11	23600	3200	150
Philips 13477R 800W R7s 240V	800	240	R7s	EME	P2/11	24400	3200	150
Philips 7786R 1000W R7s 230V	1000	230	R7s	-	P2/20	30000	3200	300
Philips 7786R 1000W R7s 240V	1000	240	R7s	-	P2/20	30000	3200	300
Philips 13989R 1000W R7s 230V	1000	230	R7s	EKM	P2/7	26000	3200	200
Philips 13989R 1000W R7s 240V	1000	240	R7s	EKM	P2/7	26000	3200	200
Philips PF801 R 1000W R7s 230V	1000	230	R7s	FDG	P1/12	34000	3400	15
Philips 6358R 1250W R7s 230V	1250	230	R7s	-	P2/12	33750	3200	200
Philips 6358R 1250W R7s 240V	1250	240	R7s	-	P2/12	33750	3200	200

Type	Operating Position	Pinch Temperature (°C)	Ordering number
Philips 13477R 800W R7s 230V	p15	400	9238 925 43201
Philips 13477R 800W R7s 240V	p15	400	9238 925 45701
Philips 7786R 1000W R7s 230V	p15	400	9238 849 43201
Philips 7786R 1000W R7s 240V	p15	400	9238 849 45701
Philips 13989R 1000W R7s 230V	any	400	9238 780 43201
Philips 13989R 1000W R7s 240V	any	400	9238 780 45701
Philips PF801 R 1000W R7s 230V	any	450	9238 627 43201
Philips 6358R 1250W R7s 230V	p15	400	9238 784 43201
Philips 6358R 1250W R7s 240V	p15	400	9238 784 45701



Ceramic ST 250 HR



Ceramic ST 250 HR

Ceramic ST – extreme cost-efficiency

The same amount of light as a halogen, but at a mere fraction of the energy consumption costs. That is the promise of the Ceramic ST series: the world’s first discharge lamp that matches halogen color characteristics. Cost of ownership is further driven down by the extreme long-life of this ‘breakthrough’ ceramic technology: typically, it lasts at least 10 times that of an equivalent halogen lamp. And, since the power consumption is minimized, so too is the heat discharge, providing for cooler, more comfortable studios. It all adds up to perfect color quality, fewer lamp replacements, and dramatically lower operating costs.

Product Features

- Ceramic Discharge Technology
- Hot Restrikeable

Product Benefits

- Due to 4 times less power consumption for same light level as halogen, smaller fixtures can be used and less cooling is needed
- Attractive cost of ownership, less replacement costs. Lifespan is 10 times longer compared to halogen. Payback time is < 2 years.
- Discharge lamp of 3200K color temperature with excellent color characteristics and homogeneous beam quality

Type	C Max	D Max	L Max	O Nom
Ceramic ST 250W HR	110	23	61	8

Type	Lamp Wattage	Cap-Base	Lumen output	Efficacy source	Color Temperature	Color Rendering Index	Average lamp life	Operating Position
	(W)		(lm)	(lm/W)	(K)	(Ra)	(h)	
Philips Ceramic ST 250W HR	250	GZY9.5	23000	92	3200	90	4000	any

Type	Lamp Current	Ordering number
	(A)	
Philips Ceramic ST 250W HR	2.6	9281 735 05114



Photo credits Michael Murnane, courtesy VariLite



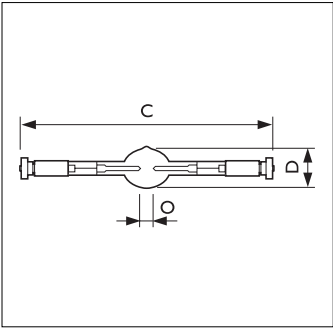
Lamps for architainment lighting

Architainment aims to transform architectural, retail, and themed environments through lighting. Philips Architainment lamps offer excellent colors, a strong beam and long life for amazing creativity and flexibility in architectural lighting. The high color temperature makes them especially suitable for architainment applications. Philips Architainment lamps can bring any object into the limelight and give it the charisma it deserves.

**Giving objects and environments the charisma
they deserve.**



MSA 2500 DE



MSA 2500 DE

Architectural MSA – double ended night colors

The high luminous efficacy and optimal lamp filling of the double ended Architectural MSA lamps create high beam intensity and excellent color rendering. While the compact arc of the lamp allows efficient beam control and high intensity. Ideal to illuminate architecture of all types at night.

Product Features

- High luminous efficacy
- Compact arc
- Optimal lamp filling

Product Benefits

- High lumen output
- High beam intensity
- Excellent colors

Type	C Max	D Max	O Nom
MSA 2500 DE	364	41	25

Type	Lamp Wattage	Cap-Base	Lumen output	Efficacy source	Color Temperature	Color Rendering Index (Ra)	Average lamp life (h)	Operating Position
	(W)		(lm)	(lm/W)	(K)			
Philips MSA 2500 DE	2500	(P)SFC	250000	100	5600	90	2500	p15

Type	Lamp current	Ordering number
	(A)	
Philips MSA 2500 DE	22.5	9280 994 05103



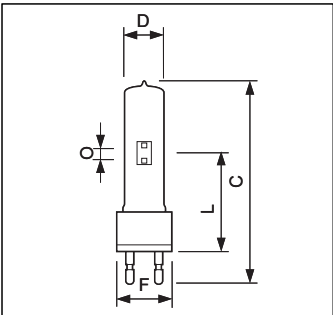
MSD 700, MSD 1200



MSD 575 HR

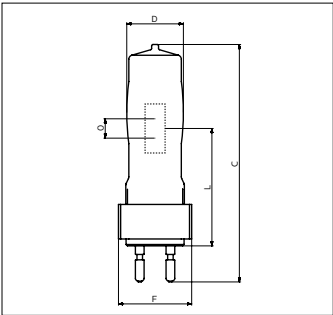


MSD 575



MSD 575 HR, MSD 700

Type	C Max	D Max	F Min	F Nom	F Max	L Min	L Nom	L Max	O Nom
MSD 575 HR	145	30	41	42	43	69	70	71	8.0
MSD 700	175	40	52	53	54	84	85	86	10.0



MSD 1200

Type	C Max	D Max	F Min	F Nom	F Max	L Min	L Nom	L Max	O Nom
MSD 1200	183	42.5	52	53	54	84	85	86	14.0

Architectural MSD – single ended night colors

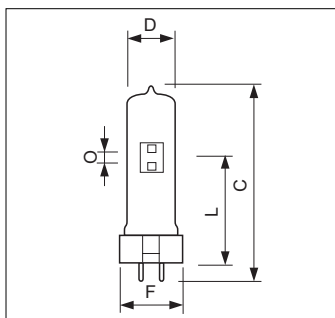
The high luminous efficacy and optimal lamp filling of the single ended Architectural MSD lamps create high beam intensity and excellent color rendering. While the compact arc of the lamp allows efficient beam control and high intensity. Ideal to illuminate architecture of all types at night.

Product Features

- High luminous efficacy
- Long life
- Optimal lamp filling

Product Benefits

- High lumen output
- Low cost of ownership
- Excellent colors



GX9.5

Type	C Max	D Max	F Min	F Nom	F Max	L Min	L Nom	L Max	O Nom
MSD 575	125	30	34	35	36	64	65	66	8.0

Type	Lamp Wattage (W)	Cap-Base	Lumen output (lm)	Efficacy source (lm/W)	Color Temperature (K)	Color Rendering Index (Ra)	Average lamp life (h)	Operating Position
Philips MSD 575	575	GX9.5	43000	75	6000	75	3000	any
Philips MSD 575 HR	575	G22	46000	80	6000	75	2000	any
Philips MSD 700	700	G22	50500	72	6000	75	3000	any
Philips MSD 1200	1200	G22	92000	77	6000	80	3000	any

Type	Lamp current (A)	Ordering number
Philips MSD 575	6.95	9280 988 05114
Philips MSD 575 HR	6.95	9280 989 05114
Philips MSD 700	11	9281 704 05114
Philips MSD 1200	13.8	9281 720 05114



CDM-SA/T 150W

CDM-SA/T – the greener way to light up the night

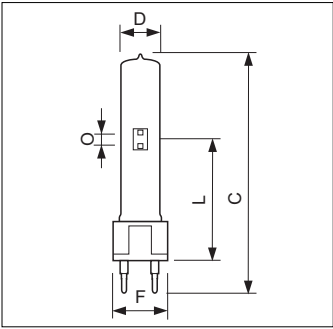
With a high luminous efficacy producing more lumens per watt than standard Architainment lamps, the CDM-SA/T is the greener alternative to light up the night. In addition, the optimal lamp filling and short arc of the lamp create a high beam intensity and excellent color rendering.

Product Features

- High luminous efficacy
- Compact arc
- Optimal lamp filling

Product Benefits

- High lumen output
- High beam intensity
- Excellent colors



CDM-SA/T G12

Type	C Max	D Max	F Min	F Nom	F Max	L Min	L Nom	L Max	O Nom
CDM-SA/T 150W/942	110	20	29	30	31	55	56	57	6

Type	Lamp Wattage	Cap-Base	Lumen output	Efficacy source	Color Temperature	Color Rendering Index (Ra)	Average lamp life (h)	Operating Position
	(W)		(lm)	(lm/W)	(K)			
Philips CDM-SA/T 150W/942	150	G12	14000	88	4200	95	9000	any

Type	Lamp Current	Ordering number
	(A)	
Philips CDM-SA/T 150W/942	1.8	9280 866 05103



Photo credits Ralph Larmann

Appendix

Cross reference list Filament lamps	P77
Cross reference list Discharge lamps	P79
Lamp bases	P81
Lamp bases names-Filament shapes- Fusing, Lamp life	P83
The halogen cycle	P84
Temperature limits of halogen lamps - Burning positions	P87
List of manufacturers of ignitors or gear for MSI - MSR - MSD	P88
Fundamentals of light and color	P89
Sales organisations	P95
Philips type numbers	P99

LIF code	Philips type
A1/223-5H	6423/5H
A1/231-5H	6834/5H
A1/244	7389
A1/259-10H	ELC/10H
CP/63	6984P
CP/67 (CP/23)	6993P
CP/68 (CP/39)	6993Z
CP/70 (CP/24)	6995P
CP/71 (CP/40)	6995Z
CP/72 (CP/43)	6994P
CP/73 (CP/41)	6994Z
CP/75 (CP/55)	6994Y
CP/77	6983P
CP/81	6872P
CP/82	6873P
CP/85 (CP/29)	6963Z
CP/89	6638P
CP/90	6895P
CP/92	6975Z
CP60	PAR64 VNSP
CP61	PAR64 NSP
CP62	PAR64 MFL
M/38	6874P
M/40	6877P
P1/12	PF801 R
P2/10	7775R/16
P2/11	13477R
P2/12	6358R
P2/20	7786R
P2/35	13704R
P2/7	13989R
T/19 (T/11)	6996P
T/20 (T/14)	6996C
T/21 (T/12)	6998P
T/24 (T/17)	6800C
T/25 (T/18)	6820P
T/27 (T/26)	6823P
T/29	6897P

ANSI code	Philips type	ANSI code	Philips type
BTL	6800C 120V	GLA	6992P
BTN	7001C	GLB	6991P
CYV	6995Y	GLC	6989P
CYX	6994Z 120V	GRS	7019G
EFP/5H	6834/5H	GRT	7018G
EFR/5H	6423/5H		
EGT	6995Z 120V		
EKM	13989R		
ELC/5H	ELC/5H		
ELC/10H	ELC/10H		
EME	13477R		
EXC	PAR64 VNSP		
EXD	PAR64 NSP		
EXE	PAR64 MFL		
FDG	PF801 R		
FEL	6983P 120V		
FEP	6983P 230V, 240V		
FKD	6996C		
FKH	6993Z		
FKJ	6995Z		
FKK/FKP	6994Z		
FRH	6873P 230V		
FRJ	6873P 240V		
FRL	6638P 230V		
FRM	6638P 240V		
FSK	6872P 240V		
FSL	6872P 230V		
FTL	6994P 240V		
FTM	6994P 230V		
FVA	6995P 230V		
FVB	6995P 240V		
FVC	6993P		
FWP	6996P 230V		
FWR	6996P 240V		
FWS	6897P 230V		
FWT	6897P 240V		
GAB	6995I/BP 230V		
GAD	6995I/BP 240V		
GCK/GCT	6823P 230V		
GCL/GCS	6823P 240V		
GCV/GVH	6820P 230V		
GCW/GCJ	6820P 240V		
GKV	6986P		

Osram code	Philips type	Osram code	Philips type
54532	7786R/16	64777	6975 Z
54574	6365 R	64781	7012R
54585	5968	64787	6994 Y
54613	6994 Z	64788	6994 P
54631	6638P	64789	6994 Z
54662	6827 Z	64789	6994 Z
54685	6800C	64796	6894Y
54687	7001C	64805	6963 Z
54689	6995C	93723	6980Z
54706	6995 Y	93728	7007
64501	VL 150	93728LL	7007LL
64502	VL 150	93729	7008
64512	VL 300	93734	6983 P
64515	VL 300		
64516	VL300		
64571	13162		
64571	13162 R		
64579	PF 801 R		
64580	PF 801 R		
64582	7786 R		
64583	7786 R		
64662	6874 P		
64670	6820P		
64672	6877 P		
64673	6872P		
64674	6873P		
64678	6928P		
64680	7389		
64716	6986 P		
64717	6638 P		
64718	6823 P		
64719	6998P		
64720	6993 P		
64721	6993 Z		
64722	6998 C		
64730	7764		
64732	7804		
64733	7804		
64741	13989 R		
64742	6995 Z		
64743	6983P		
64744	6996 P		
64745	6995 P		
64746	6996 C		
64747	6995 Z		
64748 BXS	6995I/BP		
64751	6358R		
64752	6897 P		
64754	6895 P		

Special HID lamps (Non Hot-Restrike lamps)

Philips	Osram	SLI	Koto	GE	Ushio	Xenbow/Jenbo
Single-ended Metal Halide lamps with outer bulb						
MSR 400	HSR 400/60	BA 400 SE NHR				NSD 400
	HSR 575/60	BA 575 SE NHR			USR 575	
MSR 575/2	HSR 575/72	BA 575 SE NHR 7.2	DIS-7	CSR 575/2/SE CSR 575/2/T/SE (8000 K)	USD 5.75/2 NHR	NSK 575/2
MSR 700		BA 700 SE NHR	DIS-7		USR 700 NHR	NSK 700
MSR 700/2				CSR 700/2/SE		NSK 700/2
MSR 1200	HSR 1200/60	BA 1200 SE NHR	DIS-12		USR 1200 SE	NSK 1200
MSR 1200/2				CSR 1200/2/SE		NSK 1200/2
MSD 150/2	HSD 150W/70	BA 150 SE NHR				
MSD 200	HSD 200/60	BA 200 SE D			USD-200 NHR	NSD 200
MSD 200/2						
MSD 250	HSD 250/60	BA 250 SE D			USD-250 NHR	NSD 250
MSD 250/2	HSD 250/80	BA 250/2 SE D8.5		CSD250/2 SE	USD-250/2 NHR	NSD 250/2
MSD 575	HSD 575/60 HSD 575	BA 575 SE D			USD-575 NHR	NSD 575
MSD 700						
MSD 1200						NSD 1200

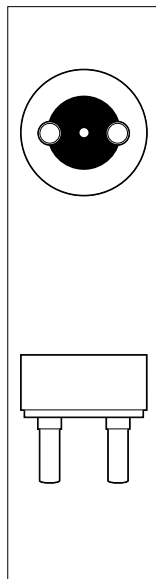
Philips	Osram	SLI	GE	Xenbow/Jenbo
Single-ended Metal Halide lamps without outer bulb				
MSR Gold™ 300/2 MiniFastFit			CSR 300/2/TAL	NSK G 300/2 mini
MSD Gold™ 300/2 MiniFastFit	HSD 300W/80/P28 HTI 400W/60/P28		CSR 300/2/TAL	
MSR Gold™ 400 MiniFastFit	HTI 400W/60/P28			
MSR Gold™ 700/2 MiniFastFit	HTI 700W/75/P28		CSR 700/TAL/60/PGJX28	NSK G 700/2 mini
MSR Gold™ 700 FastFit			CSR 700/TAL/60/PGJX50	NSK G 700
MSR Gold™ 700/2 FastFit	HTI 700W/75/P50		CSR 700/TAL	NSK G 700/2
MSR Gold™ 1200 FastFit				NSK G 1200
MSR Gold™ 1500 FastFit	HTI 1500W/60/P50		CSR 1500/TAL/60	
MSR Gold™ 2000 FastFit				
MSR Gold™ 2000/2 FastFit				
MSR Gold™ 2500/2 FastFit				
MSR 400 SA	HTI 405 W/SE XS HTI 600 W/SE			NSK 400SA
MSR 700 SA		BA 700 SE SA5.6	CSR 700 SA CSR 700 SA/72	NSK 700SA
MSR 1200 SA	HTI 1200 W/SE XS		CSR 1200 SA	NSK 1200 SA
MSR 2000 SA	HTI 1800 W/SE HTI 2500 W/SE		CSR 1500 SA	

Note: All Philips lamps have pinch protection up to 500degr Celsius

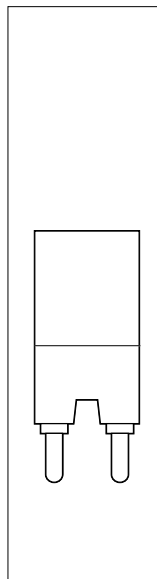
Special HID lamps (Hot-Restrike lamps)

Philips	Osram	SLI	Koto	ILC	GE	Wolfram	Ushio	Xenbow/Jenbo
Double ended Metal Halide Lamps								
MSR Gold™ 575 SA/2 DE	SharXS HTI 575 W/D4/75				CSR 575/S/DE			MHK 575/2
MSR Gold™ 700 SA/2 DE	SharXS HTI 700 W/D4/75				CSR 700/S/DE			MHK 700/2
MSR Gold™ 1200 SA/DE	SharXS HTI 1200 W/D7/60 HMI 1200 W/S	BA 1200 DE S 6.0	DI-12/S		CSR 1200/S/DE/60		UMI 1200 GS	MHK 1200 DX
MSR Gold™ 1200 SA/2 DE	SharXS HTI 1200 W/D7/75	BA 1200 DE S 7.2			CSR 1200/S/DE/72		1200 HB	MHK 1200/2 DX
MSR Gold™ 1510 SA/DE	SharXS HTI 1500W/D7/60				CSR 1500/S/DE/60			MHK 1500 DX
	HMI 200	BA 200	DI – 2	DMI 200	CSR 200/DE		UMI 200	
	HMD 300							
MSI 575	HMI 575 W/GS	BA 575 DE	DI – 6	DMI 575	CSR 575/DE	575	UMI 575 GS	MHK 575
MSI 575/2	HMI 575 W/GS LL							MHK 575/2
	HTI 700 W/DE							
	HMI 575/WGS XS							
MSI 1200	HMI 1200 W/GS	BA 1200 DE	DI – 12	DMI 1200	CSR 1200/DE	1200	UMI 1200	MHK 1200
			DI – 12/S		CSR 1200S/DE		UMI 1200 GS	
Single-ended Metal Halide lamps with outer bulb								
MSR 125 HR					CSR 125/SE/HR			
MSR 200 HR	HMI 200 W/SE	BA 200 SE HR			CSR 200/SE/HR			NSK 200HR
MSR 250 HR	HMI 250 W/SE							
MSR 400 HR	HMI 400 W/SE	BA 400 SE HR			CSR 400/SE/HR CSR 400/SE/HR/75			NSK 400HR
MSR 575 HR	HMI 575 W/SEL	BA 575 SE HR	DIS – 6 H		CSR 575/SE/HR	575	USR 575 BE SE	NSK 575HR
			DIC – 6 H					
		BA 800 SE HR		CSR 800/SE/HR				
MSR 1200 HR	HMI 1200 W/SE	BA 1200 SE NHR	DIS – 12 H		CSR 1200/SE/HR	1200	USR 1200 SE	NSK 1200HR
MSR 2500 HR	HMI 2500 W/SE	BA 2500 SE HR	DIS – 25 H	DSE 2500	CSR 2500/SE/HR	2500	USR 2500	NSK 2500HR
MSR 4000 HR	HMI 4000 W/SE	BA 4000 SE HR	DIS – 40 H	DSE 4000	CSR 4000/SE/HR	4000	USR 4000	
MSR 6000 HR	HMI 6000 W/SE		DIS – 60 H		CSR 6000/SE/HR	6000		
MSR 12000 HR	HMI 12000 W/SE		DIS – 120 H		CSR 12000/SE/HR	12000		
MSR 18000 HR	HMI 18000 W/SE		DIS – 180H		CSR 18000/SE/HR	18000		

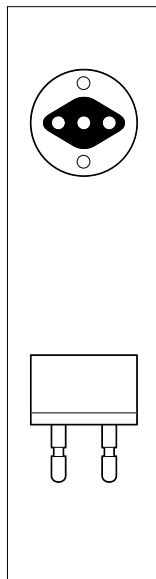
Bipost/Bipin



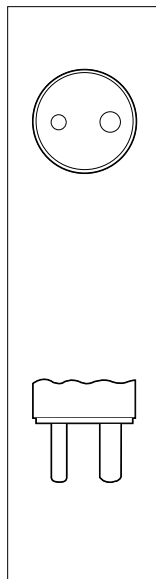
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ANSI: Mogul
bipost



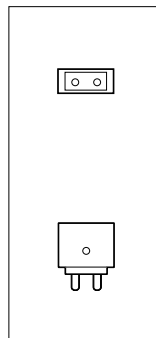
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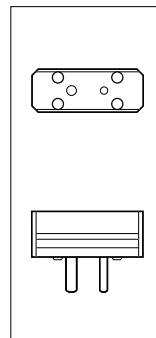
G22
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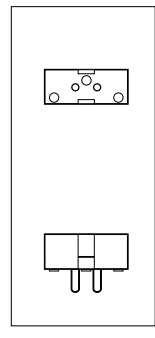
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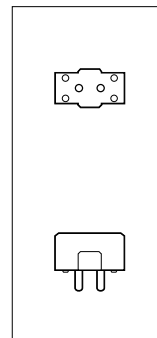
G9.5
IEC: 7004-70-1
ANSI: Medium
2-pin



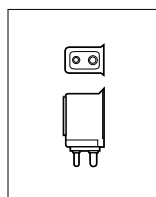
GY16
IEC: 7004-74



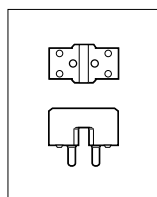
GX9.5
DIN: 49638
IEC: 7004-70A



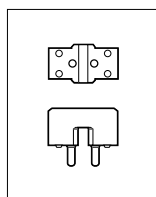
GY9.5/GZ9.5
IEC: 7004-70B-2
ANSI: Two-pin
ceramic



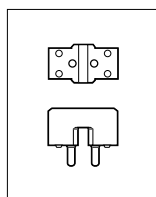
GX7.9



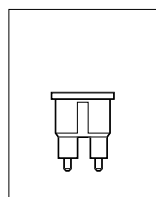
GZX9.5
IEC: 7004-70B
ANSI: Two-pin
ceramic



GZY9.5
IEC: 7004-70B
ANSI: Two-pin
ceramic

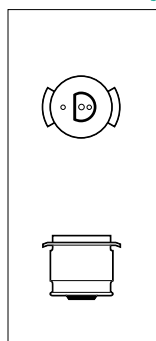


GZZ9.5
IEC: 7004-70B
ANSI: Two-pin
ceramic

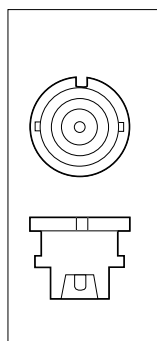


Not standardised

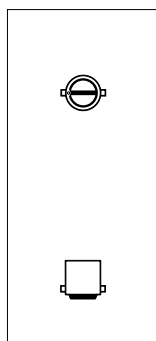
Prefocus/Bayonet



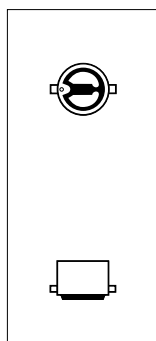
P28s
DIN: 49728
IEC: 7004-42
ANSI: Medium
prefocus base
C 81-30-1976
sheet 1-5-1



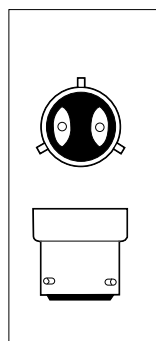
P32d



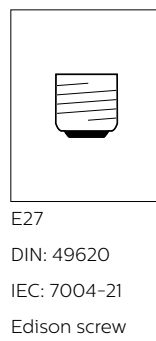
BA15d
DIN: 49720
IEC: 7004-11A
ANSI: Candelabra
bayonet base
double contact
C 81-30-1976
sheet 1-3-1



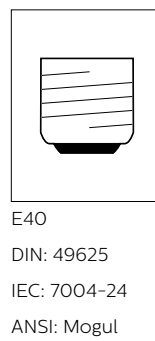
B22d/22
IEC: 7004-10



B22d3

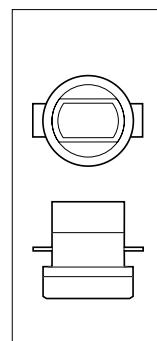


E27
DIN: 49620
IEC: 7004-21
Edison screw



E40
DIN: 49625
IEC: 7004-24
ANSI: Mogul
screw base
C 81-10-1976
sheet 1-17-1

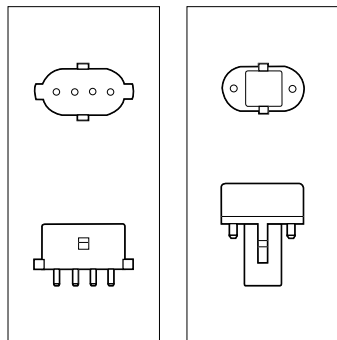
FastFit



PGJX50

Lamp bases

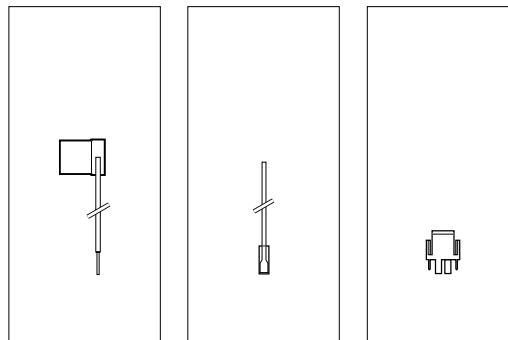
For fluorescent lamps



2G7

G23

Cable/Connector

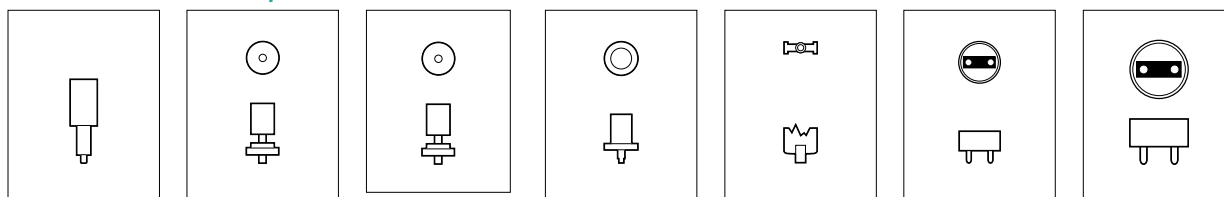


Cap 15.8/14.7
cable

Cable

AMP connector

For double-ended lamps



SFa21-12
DIN: 49759

SFc10-4
DIN: 49759

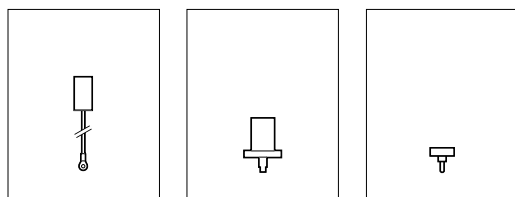
SFc11
DIN: 49759

SFc15.6-6
DIN: 49759

R7s, DIN:49750
IEC: 7004-92
ANSI: Recessed
single contact
base

G5

G13

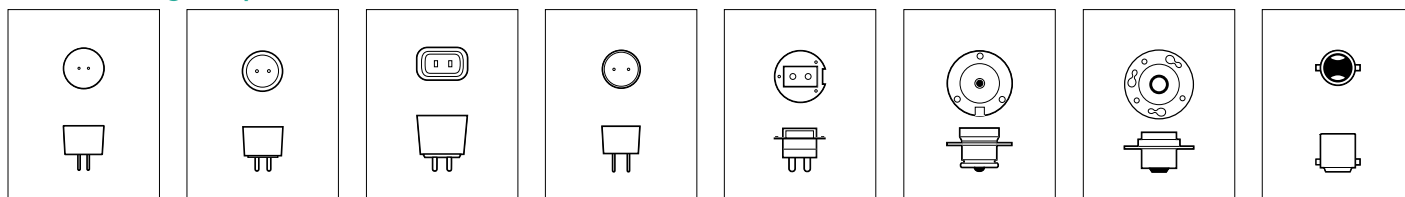


SFa7-5-2
S30x70

SFc18-5-6
(P) SFc

Fa4
IEC: 7004-58-1

For low-voltage lamps



GZ4

GX5.3
(Round pin)

GY5.3

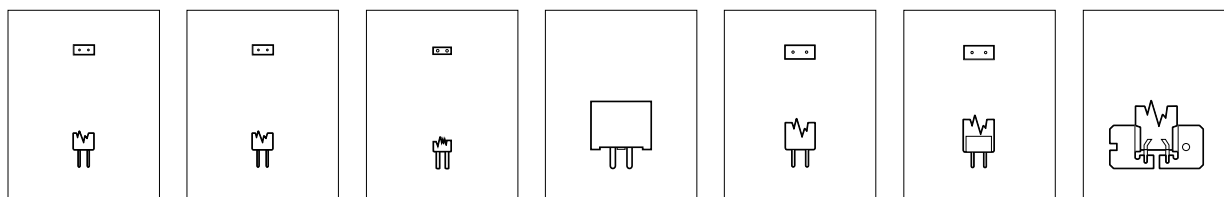
GZ6.35
DIN: 49754
IEC: 7004-59A

PG22-6.35
DIN: 49751
IEC: 7004-48

PX28s

P30s
IEC: 7004-44

BA15s,
DIN: 49720
IEC: 7004-11A



G3.9

G4
IEC: 7004-72

GU4
IEC: 7004-72

G5.3
IEC: 7004-73-2
ANSI: Miniature
2-pin

G6.35, GY6.35
GX6.35,
IEC: 7004-59
ANSI: C 8140-
1972

B15d
DIN: 49721
IEC: 7004-11a

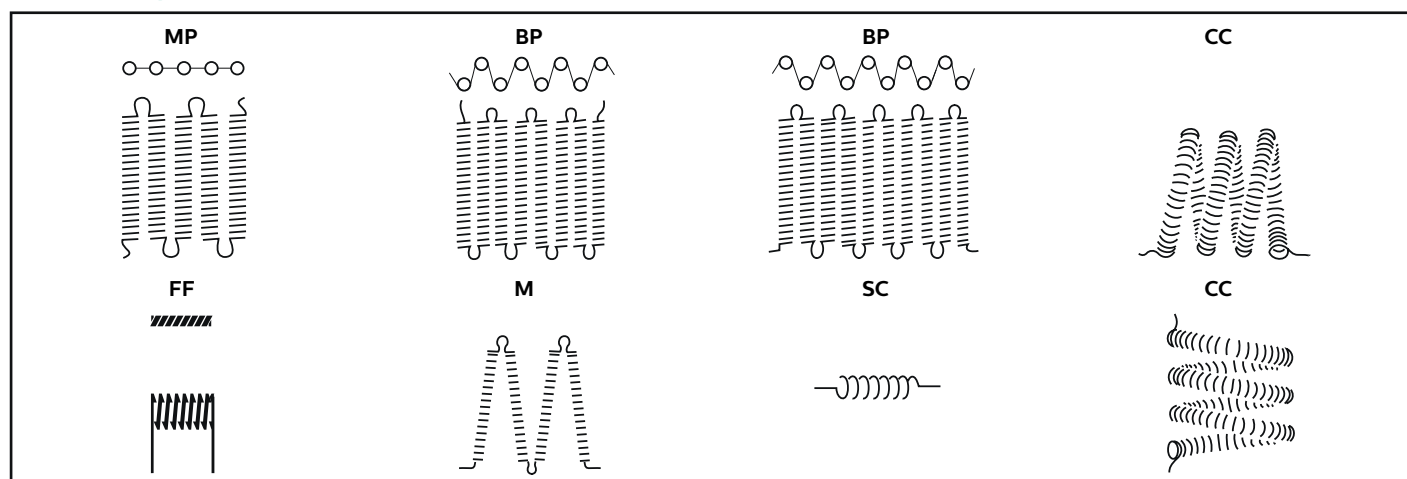
A26/14

ANSI: Single
contact
candelabra
bayonet base,
C81-30-1976,
sheet 1-3-1

Lamp bases and their names

Bi-pin cap	G38	Prefocus cap	P28s	SFc15.6-6	Prefocus cap	PX28s	
	GY38	Bayonet/Prefocus cap	GY38	Recessed single contact cap	Prefocus cap	P30s	
Bi-pin cap and base	G22	Bayonet cap	P23d	and end of lamp	R7s	Bayonet cap	BA15s
Bi-pin cap	GY22	Bayonet cap	BA15d	Bi-pin cap	G5		G3.9
Bi-pin cap	G9.5	Bayonet cap	B22d3	Bi-pin cap	G13	Bi-pin lamp base	G4
Bi-pin cap	GY16	Screw cap	E27	SFA1-5-6	Bi-pin lamp base	GU4	
Bi-pin cap	GX9.5	Screw cap	E40	SFc18-5-6	Bi-pin cap	G5.3	
Bi-pin cap on finished lamp	GY9.5	Cap	2G7	Single-pin cap and		Bi-pin lamp base for use	
Bi-pin cap on finished lamp	GZ9.6	Bi-pin cap	G23	end of tubular lamp	Fa4	Bayonet cap	G6.35
	GX7.9	Cap 15.8/14.7 cable		Bi-pin lamp base	GZ4		B15d
	GZX9.5	Cable		Bi-pin base	GX5.3		A26/14
	GZY9.5	AMP connector		Bi-pin base	GY5.3		GZY
	GZZ9.5	SFa21-12		Bi-pin lamp base	GZ6.35	FastFit cap	PGJX50
	Special	SFc10-4		Prefocus cap	PG22		

Filament shapes



FF = Flat filament	MP = Mono Plane
CC = Coiled coil	BP = Bi plane
M = M shape	SC = Single coil

Fusing

All mains voltage filament lamps (halogen and non-halogen) must be fused to reduce the risk of shattering at end-of-life. The table gives the appropriate value

Wattage W	Voltage V	Fuse A	Wattage W	Voltage V	Fuse A
500	55	16	1200	100-130	16
300	100-130	4	1200	220-250	10
300	220-250	2	2000	100-130	25
500	100-130	6.3	2000	220-250-	10
500	220-250	4	2500	100	35
650	100	10	2500	115-130	25
650	115-130	6.3	2500	220-250	16
650	220-250	4	3250	220-230	16
750/800	115-130	10	3250	240-250	16
750/800	220-230	6.3	5000	115-130	50
900	220-230	6.3	5000	220-250	25
1000	100	16			
1000	115-130	10			
1000	220-250	6.3			

Lamp Life

Indication of lamp life can be a confusing matter. The lamps in this catalogue (unless indicated differently) have a lamp life indicated by "Average life" or "Life 50%". This means at least 50% of the population is still working at the indicated number of hours.

In other words:

- Average lamp life 1000 hours
- Batch size 100 pieces

then:

- At reaching 1000 hours;
- at least 50 pieces are still working.

Realise that certain types in special applications have degraded so much that although they still burn they are unfit to fulfill their given task!



Photo credits VariLite

Philips type number	page	Philips type number	page	Philips type number	page
1000W GX9.5 230V	61	6992P 575W G9.5 115V	37	Hi-Brite 7017G 750W 80V FastFit	43
1200W GX9.5 120V	61	6993P 650W GX9.5 230V	61	MSA 2500 DE	71
13163 ELC/5H 250W GX5.3 24V	30	6993Z 650W G22 230V	62	MSD 1200	72
13477R 800W R7s 230V	65	6994P 2000W GY16 230V	60	MSD 150/2	26
13477R 800W R7s 240V	65	6994P 2000W GY16 240V	60	MSD 200	26
13989R 1000W R7s 230V	65	6994Y 2000W G22 230V	62	MSD 200/2	26
13989R 1000W R7s 240V	65	6994Z 2000W G38 120V	61	MSD 250	26
6358R 1250W R7s 230V	65	6994Z 2000W G38 230V	61	MSD 250/2 30H	26
6358R 1250W R7s 240V	65	6994Z 2000W G38 240V	61	MSD 575	73
6423/5H 150W GZ6.35 15V	30	6995I/BP 1000W GY9.5 230V	39	MSD 575 HR	72
6638P 650W GY9.5 120V	60	6995I/BP 1000W GY9.5 240V	39	MSD 700	72
6638P 650W GY9.5 230V	60	6995P 1000W GX9.5 230V	61	MSD Gold™ 300/2 MiniFastFit	25
6638P 650W GY9.5 240V	60	6995P 1000W GX9.5 240V	61	MSD Platinum 14 R	6
6800C 500W P28s 120V	40	6995Y 1000W G38 120V	61	MSD Platinum 15 R	7
6800C 500W P28s 240V	40	6995Z 1000W G22 120V	62	MSD Platinum 16 R	7
6820P 500W GY9.5 230V	41	6995Z 1000W G22 230V	62	MSD Platinum 17 RA	7
6820P 500W GY9.5 240V	41	6995Z 1000W G22 240V	62	MSD Platinum 2 R	23
6823P 650W GY9.5 230V	41	6996C 1000W P28s 230V	40	MSD Platinum 20 R	7
6823P 650W GY9.5 240V	41	6996C 1000W P28s 240V	40	MSD Platinum 5 R	6, 23
6834/5H 100W GZ6.35 12V	30	6996P 1000W GX9.5 230V	40	MSI 1200 HR	19
6872P 300W GY9.5 230V	60	6996P 1000W GX9.5 240V	40	MSI 575 HR/2	19
6872P 300W GY9.5 240V	60	6998P 650W GX9.5 230V	40	MSI 575HR	19
6873P 500W GY9.5 230V	60	6998P 650W GX9.5 240V	40	MSR 1200	15
6873P 500W GY9.5 240V	60	7001C 750W P28s 120V	61	MSR 1200 HR	56
6874P 300W GY9.5 230V	41	7002Y 1000W G22 115V	62	MSR 1200 SA	18
6874P 300W GY9.5 240V	41	7002Y 1000W G22 230V	62	MSR 1200/2	15
6877P 500W GY9.5 230V	41	7002Y 1000W G22 240V	62	MSR 12000 HR	55
6877P 500W GY9.5 240V	41	7007 575W Heat Sink 115V	45	MSR 125 HR	55
6895P 1200W GX9.5 230V	63	7007 575W Heat Sink 230V	45	MSR 1800 DE	47
6895P 1200W GX9.5 230V	64	7007 575W Heat Sink 240V	45	MSR 18000 HR	55
6895P 1200W GX9.5 230V	61	7007/LL 575W Heat Sink 115V	45	MSR 200 HR	56
6897P 1200W GX9.5 230V	40	7007/LL 575W Heat Sink 230V	45	MSR 2000 SA	18
6897P 1200W GX9.5 240V	40	7007/LL 575W Heat Sink 240V	45	MSR 2000 SA	18
6963Z 5000W G38 230V NO	61	7008 750W Heat Sink 115V	45	MSR 250 HR	56
6963Z 5000W G38 240V	61	7008 750W Heat Sink 240V	45	MSR 2500 HR	56
6975Z 2000W G22 230V	62	7008 750W/Heat Sink 230V	45	MSR 2500 HR/J	56
6975Z 2000W G22 240V	62	7009Z 1200W G22 80V	35	MSR 400	15
6980Z 1200W G22 80V	35	7015TXO 750W GX9.5 100V	35	MSR 400 HR	55
6982P 800W G9.5 230V	37	7018G 800W 230V FastFit	43	MSR 400 SA	17
6982P 800W G9.5 240V	37	7019G 750W 115V FastFit	43	MSR 4000 HR	56
6983P 1000W G9.5 120V	59	7021G 575W 115V LL FastFit	43	MSR 4000 HR/J	56
6983P 1000W G9.5 230V	59	7389 500W GY9.5 230V	60	MSR 575 HR	57
6983P 1000W G9.5 240V	59	7389 500W GY9.5 240V	60	MSR 575/2 10H	15
6984P 1000W GX9.5 230V	59	7786R 1000W R7s 230V	65	MSR 6000 HR	55
6986P 600W G9.5 230V	37	7786R 1000W R7s 240V	65	MSR 700	15
6986P 600W G9.5 240V	37	CDM-SA/T 150W/942	74	MSR 700 SA	17
6989P 575W G9.5 115V	37	Ceramic ST 250W HR	67	MSR 700/2	15
6991P 600W G9.5 230V	37	ELC/10H 250W GX5.3 24V	30	MSR Gold™ 1000 MiniFastFit	12
6991P 600W G9.5 240V	37	Hi-Brite 7016G 1200W 80V FastFit	43	MSR Gold™ 1200 FastFit	10

Philips type number	page	Philips type number	page	Philips type number	page
MSR Gold™ 1200 SA/2 DE	13				
MSR Gold™ 1200 SA/DE	13				
MSR Gold™ 1200 SA/SE	17				
MSR Gold™ 1500 FastFit	9				
MSR Gold™ 1500/1 FastFit	9				
MSR Gold™ 1510 SA/DE	13				
MSR Gold™ 2000 FastFit	9				
MSR Gold™ 2000/2 FastFit	9				
MSR Gold™ 2500/2 FastFit	9				
MSR Gold™ 300/2 MiniFastFit	24				
MSR Gold™ 400 MiniFastFit	11				
MSR Gold™ 575 SA/2 DE	13				
MSR Gold™ 575/2 MiniFastFit	11				
MSR Gold™ 700 FastFit	10				
MSR Gold™ 700 MiniFastFit	11				
MSR Gold™ 700 SA/2 DE	13				
MSR Gold™ 700/1 MiniFastFit	11				
MSR Gold™ 700/2 FastFit	10				
MSR Gold™ 700/2 MiniFastFit	11				
MSR Platinum 35	8				
MSR Platinum 35ST (Theater)	34				
MSR Platinum 35ST (Studio)	53				
PAR56 300W 230V MFL	28				
PAR56 300W 230V WFL	28				
PAR56 300W 240V MFL	28				
PAR56 300W 240V WFL	28				
PAR64 1000W 230V MFL	28				
PAR64 1000W 230V NSP	28				
PAR64 1000W 230V VNSP	28				
PAR64 1000W 240V MFL	28				
PAR64 1000W 240V NSP	28				
PAR64 1000W 240V VNSP	28				
PAR64 250W 28V VNSP	28				
PF801 R 1000W R7s 230V	65				
StagePainter LED System D60 2000	48				
VL300 300W GX6.35 230V	63				



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