



# MSD

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 Colour Temperatures

## Product Benefits

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

## Application

- Display lighting
- Disco lighting
- Fibre optics

## Luminaires

- Luminaire lenses must block the considerable UV output of the lamps
- No radiation must be spilled through ventilation slots
- Must only be operated in closed luminaires because of the high internal working pressure (but completely safe to handle when cold)

Order code	Full product name
213716 39	MSD 150/2
213730 45	MSD 150/2
914702 00	MSD 200 1CT
915471 00	MSD 200/2 1CT
915679 00	MSD 250 1CT
915693 00	MSD 250/2 30H 1CT
915716 00	MSD 150/2 1CT
917550 00	MSD 575 1CT
145680	MSD 250/2 30H UNP
217349	MSD 150/2
217620	MSD 150/2 UNP
245118	MSD 200 1CT
245126	MSD 200/2 1CT

Order code	Full product name
245142	MSD 250 1CT
245159	MSD 250/2 30H 1CT
245167	MSD 150/2 1CT
245191	MSD 575 1CT
291526	MSD 250 1CT
345926	MSD 200 1CT
MSD1502	MSD 150/2 UNP
MSD200	MSD 200 1CT
MSD2002	MSD 200/2 1CT
MSD250	MSD 250 1CT
MSD2502UNP	MSD 250/2 30H UNP
MSD575	MSD 575 1CT
197467 45	MSD 200/2 1CT
193223 45	MSD 200 1CT
204400 39	MSD 250/2 30H UNP
199775 45	MSD 250 1CT
199850 45	MSD 250/2 30H 1CT

#### Legend

Column	Value	Explanation
Technical Type	150	
	200	
	250	
	575	
Additional Information	30H	
Packing Type	UNP	Unpacked
	1CT	1 Carton
Packing Configuration	128	
	4	
Color Code	2	
	670	
	850	

#### Basic specifications - Special Lighting

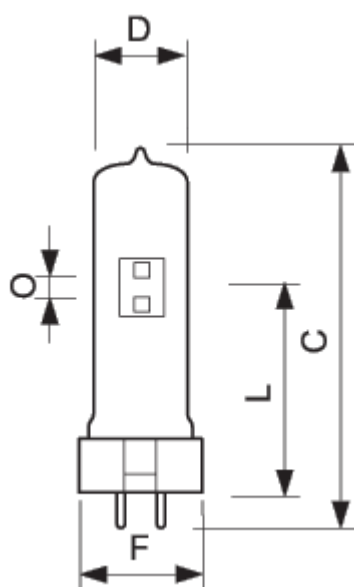
Order code	Technical Type	Additional Information	Packing Type	Packing Configuration	Lamp Wattage [W]	Color Code	System Description	Cap-Base	Cap-Base Information	Operating Position
213716 39	150	/2	UNP	128	150	2	-	G12	-	any
213730 45	150	/2	1CT	4	150	2	-	G12	-	any
914702 00	200	-	1CT	40	200	-	-	GY9.5	-	any
915471 00	200	/2	1CT	40	200	670	-	GY9.5	-	any
915679 00	250	-	1CT	40	250	-	-	GY9.5	-	any
915693 00	250	30H	1CT	40	250	850	-	GY9.5	-	any
915716 00	150	/2	1CT	40	150	2	-	G12	-	any
917550 00	575	-	1CT	16	575	-	-	GX9.5	-	any
145680	250	30H	UNP	128	250	850	-	GY9.5	-	any
217349	150	/2	1CT	4	150	2	-	G12	-	any
217620	150	/2	UNP	128	150	2	-	G12	-	any
245118	200	-	1CT	40	200	-	-	GY9.5	-	any
245126	200	/2	1CT	40	200	670	-	GY9.5	-	any
245142	250	-	1CT	40	250	-	-	GY9.5	-	any
245159	250	30H	1CT	40	250	850	-	GY9.5	-	any

Order code	Technical Type	Additional Information	Packing Type	Packing Configuration	Lamp Wattage [W]	Color Code	System Description	Cap-Base	Cap-Base Information	Operating Position
245167	150	/2	1CT	40	150	2	-	G12	-	any
245191	575	-	1CT	16	575	-	-	GX9.5	-	any
291526	250	-	1CT	4	250	-	-	GY9.5	-	any
345926	200	-	1CT	4	200	-	-	GY9.5	-	any
MSD1502	150	/2	UNP	128	150	2	-	G12	-	any
MSD200	200	-	1CT	4	200	-	-	GY9.5	-	any
MSD2002	200	/2	1CT	4	200	670	-	GY9.5	-	any
MSD250	250	-	1CT	4	250	-	-	GY9.5	-	any
MSD2502U NP	250	30H	UNP	128	250	850	-	GY9.5	-	any
MSD575	575	-	1CT	4	575	-	-	GX9.5	-	any
197467 45	200	/2	1CT	4	200	670	-	GY9.5	-	any
193223 45	200	-	1CT	4	200	-	-	GY9.5	-	any
204400 39	250	30H	UNP	128	250	850	-	GY9.5	-	any
199775 45	250	-	1CT	4	250	-	-	GY9.5	-	any
199850 45	250	30H	1CT	4	250	850	-	GY9.5	-	any

Order code	Main Application	Life to 50% failures EM	Lamp Wattage Technical	Lamp Current	Color Rendering Index [Ra]	Color Temperature	Luminous Flux Lamp EM/CuFe	Luminous Efficacy Lamp EM
213716 39	Entertainment	3000 [nom]	150 [nom]	1.85 [nom]	62 [nom]	8500 [nom]	9560 [min] 10200 [nom]	68 [nom]
213730 45	Entertainment	3000 [nom]	150 [nom]	1.85 [nom]	62 [nom]	8500 [nom]	9560 [min] 10200 [nom]	68 [nom]
914702 00	Studio/Disco	2000 [nom]	200 [nom]	3.4 [nom]	80 [nom]	6000 [nom]	11500 [min] 13500 [nom]	67 [nom]
915471 00	Studio/Disco	3000 [nom]	200 [nom]	3.4 [nom]	70 [nom]	6700 [nom]	11500 [min] 13500 [nom]	67 [nom]
915679 00	Studio/Disco	3000 [nom]	250 [nom]	3 [nom]	75 [nom]	6700 [nom]	15000 [min] 18000 [nom]	72 [nom]
915693 00	Studio/Disco	3000 [nom]	250 [nom]	3 [nom]	70 [nom]	8500 [nom]	16000 [min] 18000 [nom]	72 [nom]
915716 00	Entertainment	3000 [nom]	150 [nom]	1.85 [nom]	62 [nom]	8500 [nom]	9560 [min] 10200 [nom]	68 [nom]
917550 00	Studio/Disco	3000 [nom]	525 [nom]	6.95 [nom]	75 [nom]	6000 [nom]	36000 [min] 43000 [nom]	75 [nom]
145680	Studio/Disco	3000 [nom]	250 [nom]	3 [nom]	70 [nom]	8500 [nom]	16000 [min] 18000 [nom]	72 [nom]
217349	Entertainment	3000 [nom]	150 [nom]	1.85 [nom]	62 [nom]	8500 [nom]	9560 [min] 10200 [nom]	68 [nom]
217620	Entertainment	3000 [nom]	150 [nom]	1.85 [nom]	62 [nom]	8500 [nom]	9560 [min] 10200 [nom]	68 [nom]
245118	Studio/Disco	2000 [nom]	200 [nom]	3.4 [nom]	80 [nom]	6000 [nom]	11500 [min]	67 [nom]

Order code	Main Application		Life to 50% failures EM	Lamp Wattage Technical	Lamp Current	Color Rendering Index [Ra]	Color Temperature	Luminous Flux Lamp EM/CuFe	Luminous Efficacy Lamp EM
								13500 [nom]	
245126	Studio/ Disco		3000 [nom]	200 [nom]	3.4 [nom]	70 [nom]	6700 [nom]	11500 [min] 13500 [nom]	67 [nom]
245142	Studio/ Disco		3000 [nom]	250 [nom]	3 [nom]	75 [nom]	6700 [nom]	15000 [min] 18000 [nom]	72 [nom]
245159	Studio/ Disco		3000 [nom]	250 [nom]	3 [nom]	70 [nom]	8500 [nom]	16000 [min] 18000 [nom]	72 [nom]
245167	Entertainment		3000 [nom]	150 [nom]	1.85 [nom]	62 [nom]	8500 [nom]	9560 [min] 10200 [nom]	68 [nom]
245191	Studio/ Disco		3000 [nom]	525 [nom]	6.95 [nom]	75 [nom]	6000 [nom]	36000 [min] 43000 [nom]	75 [nom]
291526	Studio/ Disco		3000 [nom]	250 [nom]	3 [nom]	75 [nom]	6700 [nom]	15000 [min] 18000 [nom]	72 [nom]
345926	Studio/ Disco		2000 [nom]	200 [nom]	3.4 [nom]	80 [nom]	6000 [nom]	11500 [min] 13500 [nom]	67 [nom]
MSD1502	Entertainment		3000 [nom]	150 [nom]	1.85 [nom]	62 [nom]	8500 [nom]	9560 [min] 10200 [nom]	68 [nom]
MSD200	Studio/ Disco		2000 [nom]	200 [nom]	3.4 [nom]	80 [nom]	6000 [nom]	11500 [min] 13500 [nom]	67 [nom]
MSD2002	Studio/ Disco		3000 [nom]	200 [nom]	3.4 [nom]	70 [nom]	6700 [nom]	11500 [min] 13500 [nom]	67 [nom]
MSD250	Studio/ Disco		3000 [nom]	250 [nom]	3 [nom]	75 [nom]	6700 [nom]	15000 [min] 18000 [nom]	72 [nom]
MSD2502U NP	Studio/ Disco		3000 [nom]	250 [nom]	3 [nom]	70 [nom]	8500 [nom]	16000 [min] 18000 [nom]	72 [nom]
MSD575	Studio/ Disco		3000 [nom]	525 [nom]	6.95 [nom]	75 [nom]	6000 [nom]	36000 [min] 43000 [nom]	75 [nom]
197467 45	Studio/ Disco		3000 [nom]	200 [nom]	3.4 [nom]	70 [nom]	6700 [nom]	11500 [min] 13500 [nom]	67 [nom]
193223 45	Studio/ Disco		2000 [nom]	200 [nom]	3.4 [nom]	80 [nom]	6000 [nom]	11500 [min] 13500 [nom]	67 [nom]
204400 39	Studio/ Disco		3000 [nom]	250 [nom]	3 [nom]	70 [nom]	8500 [nom]	16000 [min] 18000 [nom]	72 [nom]
199775 45	Studio/ Disco		3000 [nom]	250 [nom]	3 [nom]	75 [nom]	6700 [nom]	15000 [min] 18000 [nom]	72 [nom]

Order code	Main Application		Life to 50% failures EM	Lamp Wattage Technical	Lamp Current	Color Rendering Index [Ra]	Color Temperature	Luminous Flux Lamp EM/CuFe	Luminous Efficacy Lamp EM
199850 45	Studio/ Disco		3000 [nom]	250 [nom]	3 [nom]	70 [nom]	8500 [nom]	16000 [min] 18000 [nom]	72 [nom]



GX9.5

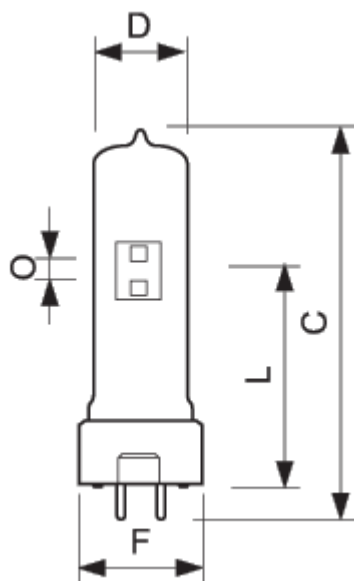
**MSD**

	C	D	F	L		
Dimension Reference	Max	Max	Min	Nom	Max	Min
I	125	30	34	35	36	64

Dimension Reference	L		O	
	Nom	Max	Nom	Max
I	65	66	8	

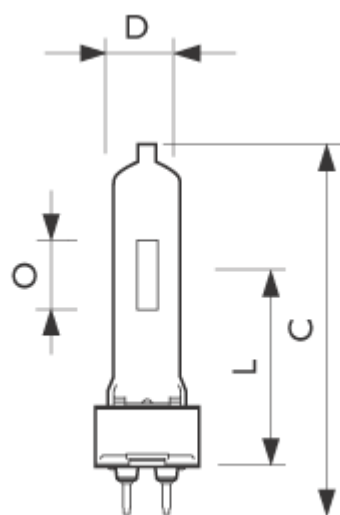
Full product name	Dimension Reference
MSD 575 ICT	I

Letter	Explanation
C	Overall Length C
D	Diameter D
F	Width F
L	Light Center Length L
O	Arc Length O



Data not (yet) available

**MSD**



Data not (yet) available

**MSD G12**



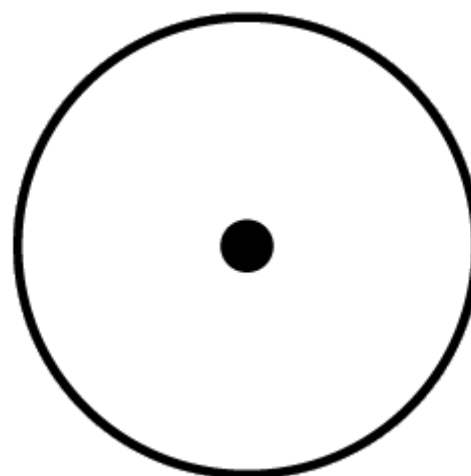
MSD 575  
**MSD 575 GX9.5**



MSD 200(1/2), MSD 250(1/2)  
**MSD**

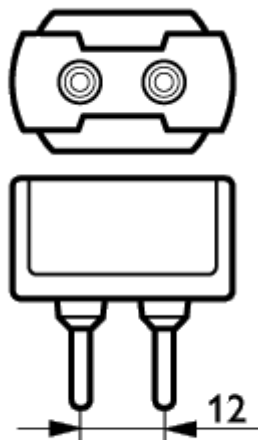


MSD 150/2  
**MSD 150 /2**

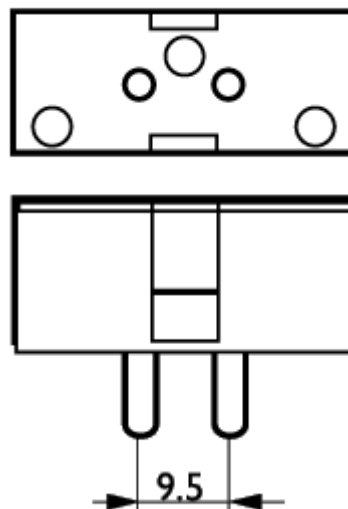


Operating Position any

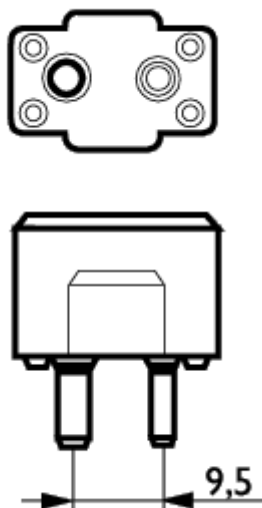
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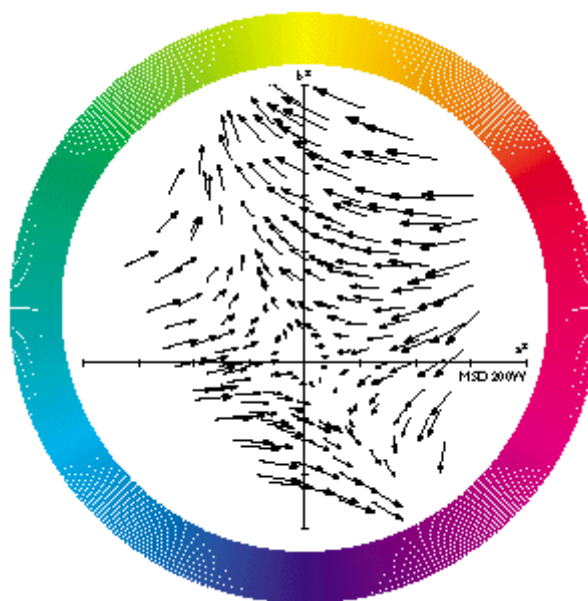
Cap-Base G12



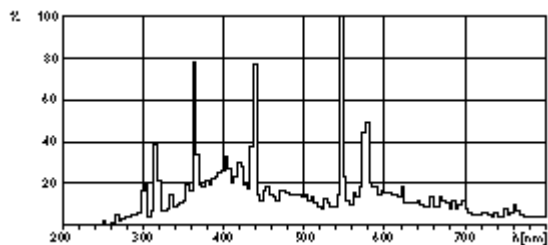
Cap-Base GX9.5



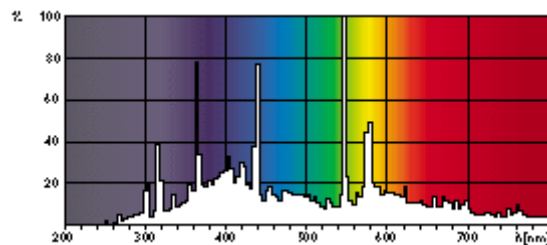
Cap-Base GY9.5



MSD 200



MSD



MSD



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