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2008 Catalogue ①

About US



Xenpow:

Xenpow focuses on providing the best solution to the global demand of alternative lamps for disco/ stage/ entertainment lights.

Product:

Xenpow is mainly focusing on Discharge Lamps, meanwhile, we also offer Halogen Lamps, Par Lamps, Flash Lamps, Xenon Lamps as well as Projector Lamps as part of our service.

Difference:

With good service, fast delivery, OEM package, reliable quality, and combining with challenging price, we believe xenpow will bring you the benefit in the future.

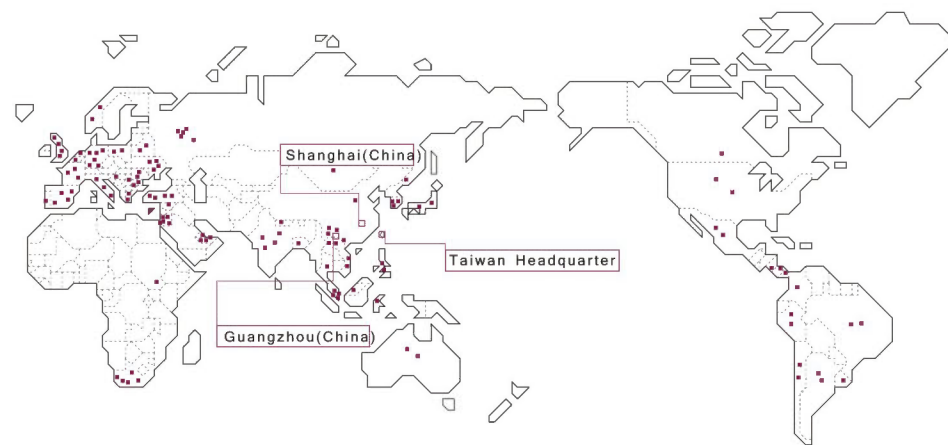
Philosophy:

We're always ready for you!! We keep the profit margin for you and deliver the best quality lamps at the most affordable prices for win-win cooperation.

Contact:

E-mail: sales@xenpow.com.tw / Tel: 886-3-311-3097 / Fax: 886-3-321-5986

Location:



Terms and Conditions

■ Shipping Charges:

Shipping charges are based on customer's delivery preference, package weight and size.

■ Lead-time:

If the selected lamps are in stock, they can be delivered within 5-10 days after receipt of your order confirmation and payment. If those are not available in stock, it may take about 20 days for production. Subject to the final order confirmation.

■ Damaged in transit:

All lamps are packed carefully before delivery. Lamps should be handled carefully as they are fragile and delicate, any drop/shock may cause problem on lamps. In any case, if the package is damaged when you received the goods or the goods inside is damaged when the box is opened, customer should sign as "damaged" and make a claim to the carrier/courier for the possible loss.

■ Returns:

All damaged lamps/defects should be reported within 7 days from the date of defect. All returns must have an authorization from us. Lamp returned as defective, and if not, will be returned to the customer. Lamp returned due the ordering error may be charged an extra handling cost of restocking.

Any returns for credit or replacement are subject to evaluation of the goods before any credit or replacement will be agreed.

■ Warranty:

We warrant that the lamps shall be free from defects in materials, workmanship and when given normal, proper and intended usage. We shall replace with the same or comparable product or issue an appropriate credit.

The pictures, serial/batch number, order number, model number and defect q'ty shall be offered along with the claim of damaged/defects. All damaged/defects shall be well collected for further evaluation as standard procedures for warranty.

Terms and conditions are subject to change without notice.

Symbols



Rated wattage in W



Rated voltage in V



Rated current in amps



Color temperature K



Color rendering index



Luminous flux in lumen



Luminous intensity cd



Luminous efficacy



Luminous Area



Average luminance



Average life in hour



Anode to cathode voltage



Base



Base cathode



Base anode



Beam angle



Arc length in mm



Diameter d in mm



Operating position



Type of current



Forced Cooling



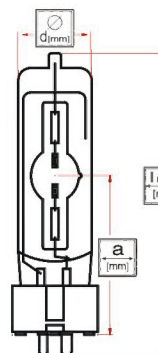
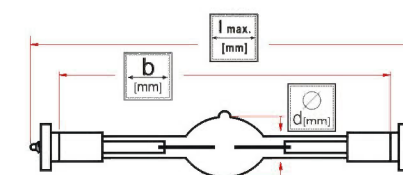
Filament



Ref. No.



Fig. No.



Lamp Equivalent Chart

Metal Halide Lamps Single Ended

XENPOW	Osram	Philips
NSD 150T		MSD 150/2
NSD 150	HTI 150	
NSD 200	HSD 200/60	MSD 200
NSD 250	HSD 250/60	MSD 250
NSD 250/2	HSD 250/2;HSD 250/80	MSD 250/2
NSD 400	HSR 400/60	MSR 400
NSD 400/2		
NSD 400/SA	HTI 405/SE XS	MSR 400 SA
NSD 575	HSR 575/60	MSD 575
NSD 575/2	HSR 575/72	MSR 575/2
NSD 575/56		
NSD 575 HR	HMI 575 SE	MSR 575 HR
NSD 700	HSR 700/60	MSR 700
NSD 700/2	HSR 700/72	MSR 700/2
NSD 700/SA	HTI 705W/SE XS	MSR 700/SA
NSD 1200	HSR 1200/2;HSR 1200/60	MSR 1200
NSD 1200/2		MSR 1200/2
NSD 1200/SA	HTI 1200 SE XS	MSR 1200 SA
NSD 1200/2 SA		
NSD 2500	HMI 2500 SE	MSR 2500 HR

Metal Halide Lamps Double Ended

XENPOW	Osram	Philips
HMQ 300	HTI 300 DX	
HMQ 400	HTI 400W/D3/75	MSR 400 SA/DE
HMQ 575	HMI 575 GS	MSI 575

XENPOW	Osram	Philips
HMQ575/2		
HMQ 575/D4	HTI 575W/D4/60	
HMQ 575/2 D4	HTI 575W/D4/75	
HMQ 700	HTI 700W/D4/60	MSR 700 SA/DE
HMQ 700/2	HTI 700W/D4/75	MSR 700 SA/2 DE
HMQ 1200	HMI 1200 GS	MSI 1200
HMQ 1200/2		
HMQ 2000	HQI-TS2000/D/S	
HMQ 2500	HMI 2500 GS	MSI 2500

Metal Halide Lamps Gold Plated HMQ series

XENPOW	Osram	Philips
HMQ 250G/D5		
HMQ 250/2G D5	HTI 250W/D5/80	
HMQ 400G	HTI 400W/D3/75	MSR Gold 400 SA/2 DE
HMQ 575G	HMI 575 GS	MSI 575
HMQ 575/2G		
HMQ 575G/D4	HTI 575W/D4/60	
HMQ 575/2G D4	HTI 575W/D4/75	
HMQ 575G/D5	HTI 575W/D5/56	
HMQ 575/2G D5	HTI 575W/D5/75	MSR Gold 575 SA/2 DE
HMQ 700G	HTI 700W/D4/60	MSR 700 SA/DE
HMQ 700/2G	HTI 700W/D4/75	MSR Gold 700 SA/2 DE
HMQ 1200/SG	HMI 1200/S	MSR Gold 1200 SA/DE
HMQ 1200/2SG		MSR Gold 1200 SA/2 DE
HMQ 1200/56 SG		

Metal Halide Lamps

Overview

NSD 150T is a compact discharge lamp, which is mechanically and electrically exchangeable with the CDM-SA/T 150W/942. It offers 8000K ultra white color impression and 10000 lumens of total output. Small watts lamp consumes lower power and emits less heat, therefore, it needs no fan in your devices that is good to service for higher brightness and noise free venues. Ideal for advert projection, fiber optics, architectural lights or shop windows. Now you have one more choice for desired high color temperature bulb for your applications!

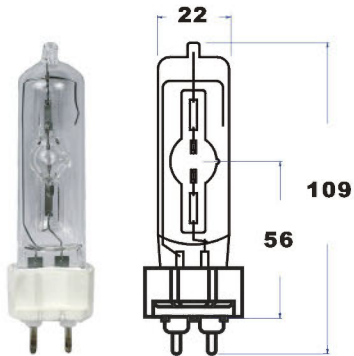
Features

- Short arc
- Color stability
- High Efficacy
- High CCT : 8000K
- Exchangeable with the CDM 150W

- Ignition starts at 2-3Kv
- Run-up time: 2 mins
- Max. permissible temperature : 350°C on pinch
- Recommended switch cycle : 3.5 hrs on/0.5 off

Applications

- Shops and shop window
- Offices and public buildings
- Fiber optics/ decorative lights
- Effect lighting
- Architectural lighting



NEW NSD 150T

Order Code

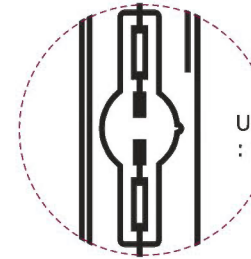


NSD 150T	150	96V	1.8	G12	10000	67	65
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Note:

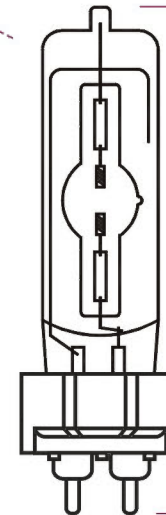
> After the lamps light up, the intensity of light output varies until the gas pressure inside the bulb reaches thermal equilibrium. It may take 2 minutes to reach the max. light output.

NSD 150T



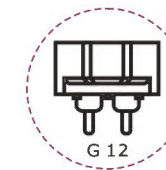
Ultra brightness : 8000K

Less power consumption
Less heat emission
- ideal source for fan free luminaires



Same size as CDM-SA/T 150W/942

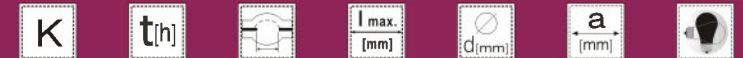
Color characteristics performs as good as NSD 250/2



G 12

No extra tasks - Just plug in!

Order Code



NSD 150T	8000	2000	5	109	22	56	Universal
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Note:

> Metal halide lamps must be operated in enclosed luminaires in view of the UV radiation and high operation pressure. An appropriate shielding is necessary to use these lamps.

Metal Halide Lamps

Overview

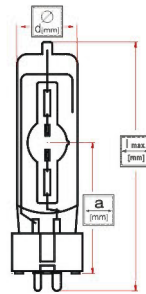
Metal halide lamp is one of the high intensity discharge (HID) family. It has the features of high efficiency, long life, good color rendering index, compact size and stable output, etc. The light efficiency of MH is abt. 5~10 times more than incandescent lamps and at least 10~15 times longer in lamp life. It unites the advantages of fluorescent, high pressure sodium and high mercury lamps but has less limit than those lamps. Thus, the use of MH lamps is growing up year by year. MH lamps are widely used on the applications of city lights, stadium, architectural, theatre, stage, entertainment lightings, and so on.

XENPOW offers you the various wattages for different applications from 150W to 2500W. In cold series, lamps take max. 1 second to be ignited at 2-3Kv. Re-strike time is 5-10 mins depending on the cooling condition. XENPOW MH lamps can be operated with electric power supply as well as magnetic ballast ignition.

Features

- Short arc
- Daylight character
- Compact size
- High luminance
- High luminous efficacy

- Ignition starts at 2-3Kv
- Run-up time: 2 mins
- Max. permissible temperature : 350°C on pinch
- Recommended switch cycle : 3.5 hrs on/0.5 off



Order Code **W** **V** **A** **Im** **Im/W** **Ra**

Order Code	W	V	A	Im	Im/W	Ra	
NSD 150	150	90	1.8~	GY9.5	10000	63	70
NSD 200	200	70	3.3~	GY9.5	13000	65	80
NSD 250	250	94	3~	GY9.5	17000	68	75
NSD 250/2	250	94	3~	GY9.5	17000	68	65

Note:

> After the lamps light up, the intensity of light output varies until the gas pressure inside the bulb reaches thermal equilibrium. It may take 2 minutes to reach the max. light output.

Single Ended - Cold Start

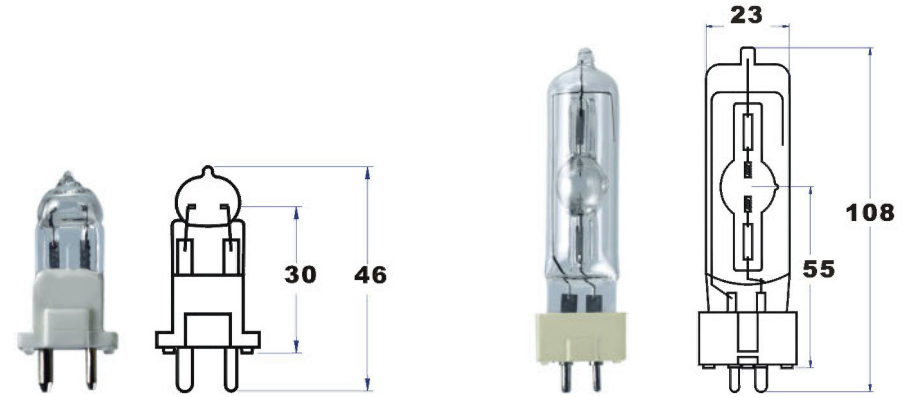


Fig.1

Fig.2

Applications

- Display lighting
- Effect lighting
- Disco lighting
- Entertainment



Order Code **K** **t[h]** **Imax** **d** **a** **Light Bulb** **No.**

Order Code	K	t[h]	Imax	d	a	Light Bulb	No.	
NSD 150	6900	750	5	46	-	30	Universal	1
NSD 200	6000	2000	5	108	23	55	Universal	2
NSD 250	6500	2000	5	108	23	55	Universal	2
NSD 250/2	8000	2000	5	108	23	55	Universal	2

Note:

> Metal halide lamps must be operated in enclosed luminaires in view of the UV radiation and high operation pressure. An appropriate shielding is necessary to use these lamps.

Metal Halide Lamps

- Applications ■
- Theatre, stage lighting
 - Disco lighting
 - Architectural lighting
 - Entertainment



HOT-RESTRICKABLE

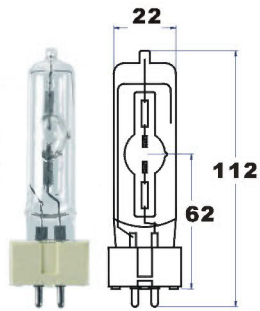


Fig.1 ■

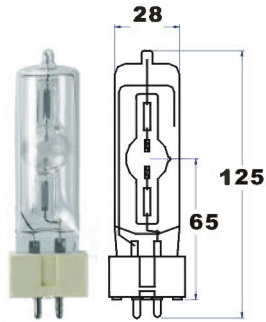


Fig.2 ■

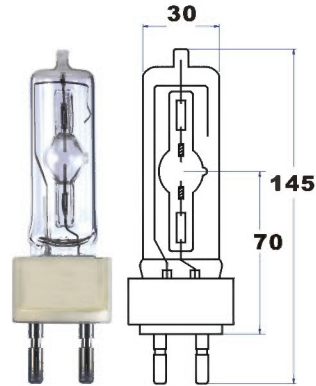


Fig.3 ■

Order Code



Order Code	W	V	A	Shield	lm	lm/W	Ra
NSD 400	400	67	6.9~	GX9.5	33000	82.5	92
NSD 400/2	400	70	6.9~	GX9.5	32000	80	92
NSD 575	575	95	7~	GX9.5	43000	75	75
NSD 575/2	575	95	7~	GX9.5	49000	85	80
NSD 575/56	575	100	7~	GX9.5	43000	75	85
NSD 575 HR	575	100	6.8~	G22	49000	85	95
NSD 400/SA	400	55	7.3~	GY9.5	28000	70	75
NSD 700/SA	700	70	11~	GY9.5	59000	84	75
NSD 1200/SA	1200	100	13.8~	GY22	96000	80	80
NSD 1200/2 SA	1200	100	13.8~	GY22	90000	80	80

Note: ■

> After the lamps light up, the intensity of light output varies until the gas pressure inside the bulb reaches thermal equilibrium. It may take 2 minutes to reach the max. light output.

Single Ended - Cold Start

HIGH LUMINANCE

EXTRA SHORT ARC

MORE COMPACT SIZE

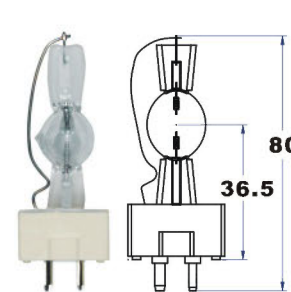


Fig.4 ■

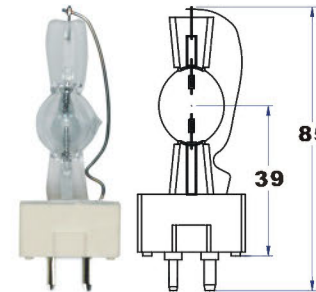


Fig.5 ■

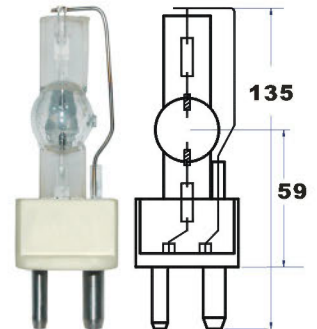


Fig.6 ■

Order Code



Order Code	K	t(h)	Lamp	l max [mm]	d [mm]	a [mm]	Light bulb	No.
NSD 400	6000	1000	5	112	22	62	Universal	1
NSD 400/2	7500	750	6	112	22	62	Universal	1
NSD 575	6000	1000	7	125	28	65	Universal	2
NSD 575/2	7200	1000	7	125	28	65	Universal	2
NSD 575/56	5600	1000	7	125	28	65	Universal	2
NSD 575 HR	6000	750	7	145	30	70	Universal	3
NSD 400/SA	5600	500	3	80	-	36.5	p45	4
NSD 700/SA	5600	500	4	85	-	39	p45	5
NSD 1200/SA	5600	750	7	135	-	59	s135	6
NSD 1200/2 SA	7000	750	7	135	-	59	s135	6

Note: ■

> Metal halide lamps must be operated in enclosed luminaires in view of the UV radiation and high operation pressure. An appropriate shielding is necessary to use these lamps.

Metal Halide Lamps

Applications

- Theatre stages
- Disco
- Architectural lighting
- Entertainment

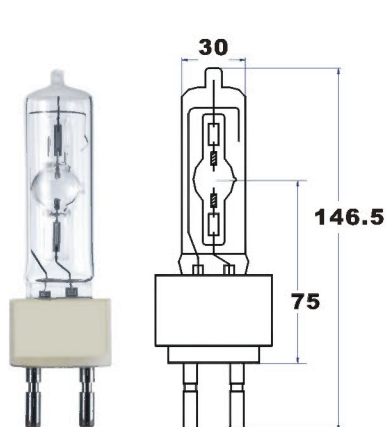


Fig.1

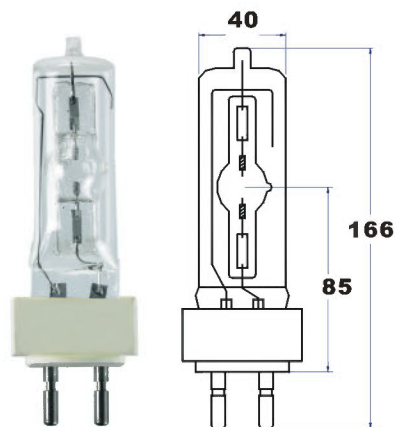


Fig.2

Order Code

W	V	A		lm	$\frac{\text{lm}}{\text{W}}$	Ra
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NSD 700	700	72	11~	G22	58000	78	75
NSD 700/2	700	72	11~	G22	58000	78	75
NSD 1200	1200	100	13.8~	G22 30X53	110000	91	80
NSD 1200/2	1200	100	13.8~	G22 30X53	110000	91	85
NSD 2500	2500	115	25.6~	G38	240000	96	90

Note:

➤ After the lamps light up, the intensity of light output varies until the gas pressure inside the bulb reaches thermal equilibrium. It may take 2 minutes to reach the max. light output.

Single Ended

HOT RE-STRIKABLE

Applications

- 2500W G38 Cap
- 500 hours life
- CCT 6000K 240,000 lumens

- Suitable for in door/outdoor
- Various lights

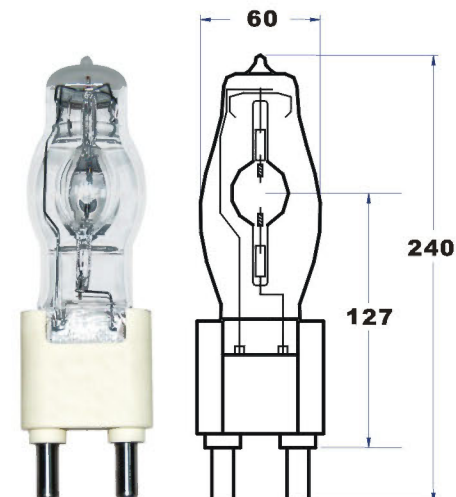


Fig.3

Order Code

K	t[h]		I_{max} [mm]	ϕ [mm]	a [mm]		No.
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NSD 700	6000	1000	8	146.5	30	75	Universal	1
NSD 700/2	7200	1000	8	146.5	30	75	Universal	1
NSD 1200	6000	800	10	166	40	85	Universal	2
NSD 1200/2	7200	800	10	166	40	85	Universal	2
NSD 2500	6000	500	14	240	60	127	Universal	3

Note:

➤ Metal halide lamps must be operated in enclosed luminaires in view of the UV radiation and high operation pressure. An appropriate shielding is necessary to use these lamps.

Metal Halide Lamps

Overview

HMQ lamps can be operated with electronic power supply as well as magnetic ballast ignition. Some of our HMQ lamps are designed with pre-focus slot and have a special heat-resistant bond between bulb and caps.

XENPOW offers you the various wattages for different applications from 300W to 2500W for various light applications. Lamps take max. 1 second to be ignited at 2-3Kv, run up time is taking abt. 2 min. All HMQ lamps are hot re-strikable.

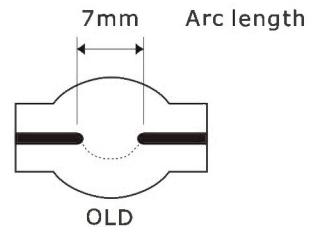
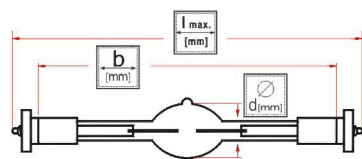
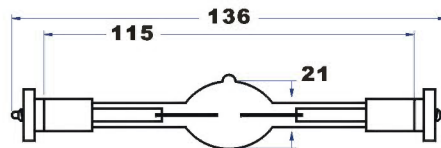


Fig.1



Order Code	W	V	A		lm	lm/W	Ra
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HMQ 575	575	95	7.0~	SFc10-4	49000	85	90
HMQ 575/2	575	95	7.0~	SFc10-4	49000	85	90
HMQ 575/D4	575	69	8.3~	SFc10-4	49000	85	85
HMQ 575/2 D4	575	64	9~	SFc10-4	44000	85	80

Note:

> After the lamps light up, the intensity of light output varies until the gas pressure inside the bulb reaches thermal equilibrium. It may take 2 minutes to reach the max. light output.

Double Ended - Hot Restrike

Features

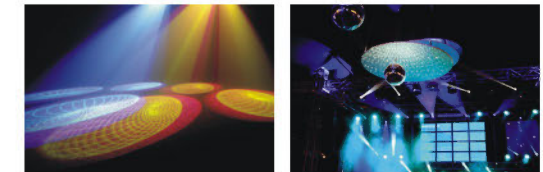
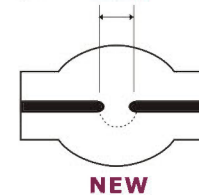
- Short arc
- Daylight character
- High luminescent efficacy
- Compact size
- Wonderful color characteristics

- Ignition starts at 2-3Kv
- Run-up time: 2 mins
- Max. permissible temperature : 350°C on pinch
- Recommended switch cycle : 3.5 hrs on/0.5 off

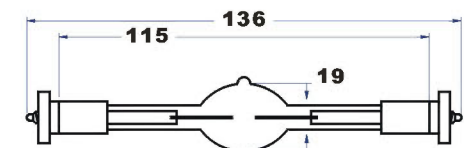
Applications

- Disco/Theatre/Stage lighting
- Architectural lighting
- Museum projection
- Entertainment

Arc length 4mm



NEW Fig.2



Order Code	K	t(h)		l max. (mm)	d (mm)	b (mm)		No.
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HMQ 575	6000	750	7	136	21	115	Universal	1
HMQ 575/2	7000	750	7	136	21	115	Universal	1
HMQ 575/D4	6000	750	4	136	19	115	Universal	2
HMQ 575/2 D4	7200	750	4	136	19	115	Universal	2

Note:

> Metal halide lamps must be operated in enclosed luminaires in view of the UV radiation and high operation pressure. An appropriate shielding is necessary to use these lamps.

Metal Halide Lamps

Features

- Short arc
- Daylight character
- High lumimous efficacy
- Compact size
- Wonderful color characteristics

- Ignition starts at 2-3Kv
- Run-up time: 2 mins
- Max. permissible temperature : 350°C on pinch
- Recommended switch cycle : 3.5 hrs on/0.5 off

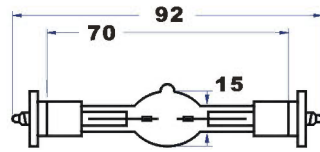


Fig.1

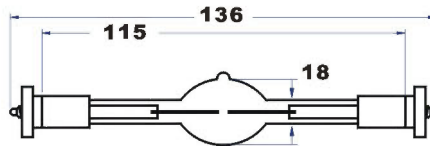


Fig.2

Order Code

W	V	A		lm	lm/W	Ra
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HMQ 300	300	100	3.6~	SFc10-4	22000	73	90
HMQ 400	400	49/-	8.5~	SFc10-4	26000	65	80
HMQ 700	700	70	10~	SFc10-4	59000	84	80
HMQ 700/2	700	70	10~	SFc10-4	59000	84	80
HMQ 1200	1200	100	13.8~	SFc15.5-6	110000	91	90
HMQ 1200/2	1200	100	13.8~	SFc15.5-6	110000	91	90

Note:

> After the lamps light up, the intensity of light output varies until the gas pressure inside the bulb reaches thermal equilibrium. It may take 2 minutes to reach the max. light output.

Double Ended - Hot Restrike

Applications

- Disco/Theatre/Stage lighting
- Architectural lighting
- Museum projection
- Entertainment

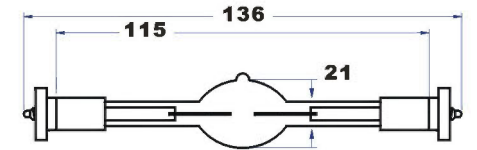


Fig.3

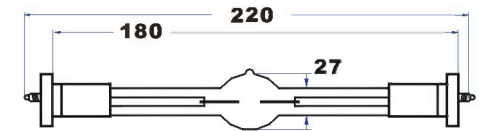


Fig.4

Order Code

K	t(h)		I max. [mm]	d(mm)	b [mm]		No.
---	------	--	-------------	-------	--------	--	-----

HMQ 300	6500	750	5.5	92	15	70	p45	1
HMQ 400	7500	750	3	136	18	115	Universal	2
HMQ 700	6000	750	4	136	21	115	Universal	3
HMQ 700/2	7500	750	4	136	21	115	Universal	3
HMQ 1200	6000	750	10	220	27	180	Universal	4
HMQ 1200/2	7200	750	10	220	27	180	Universal	4

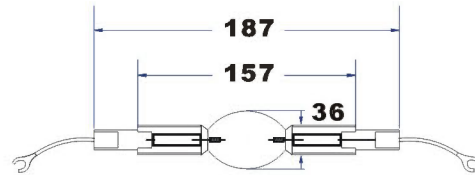
Note:

> Metal halide lamps must be operated in enclosed luminaires in view of the UV radiation and high operation pressure. An appropriate shielding is necessary to use these lamps.

Metal Halide Lamps



Fig.1 ■



Features ■

- Excellent CRI (Ra)
- Extremely short arc
- Daylight characteristic

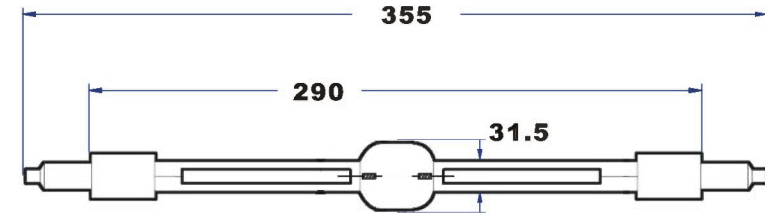
Applications ■

- Sports stadiums
- Airports
- Architectural lightings
- Outdoor lightings

Double Ended - Hot Restrike



Fig.2 ■



Applications ■

- Disco/Theatre/Stage lighting
- Architectural lighting
- Museum projection
- Entertainment



Order Code

W	V	A		lm	$\frac{\text{lm}}{\text{W}}$	Ra
---	---	---	--	----	------------------------------	----

HMQ 2000	2000	205	11.3~	cable	200000	100	90
HMQ 2500	2500	115	25.6~	SFc21-12	240000	96	90

Note: ■

> After the lamps light up, the intensity of light output varies until the gas pressure inside the bulb reaches thermal equilibrium. It may take 2 minutes to reach the max. light output.

Order Code

K	t(h)		$\frac{\text{l ma.}}{[\text{mm}]}$	$\frac{\text{b}}{[\text{mm}]}$		No.
---	------	--	------------------------------------	--------------------------------	--	-----

HMQ 2000	5900	4000	32	187	36	157	p15	1
HMQ 2500	6000	500	14	355	31.5	290	p30	2

Note: ■

> Metal halide lamps must be operated in enclosed luminaires in view of the UV radiation and high operation pressure. An appropriate shielding is necessary to use these lamps.

Metal Halide Lamps

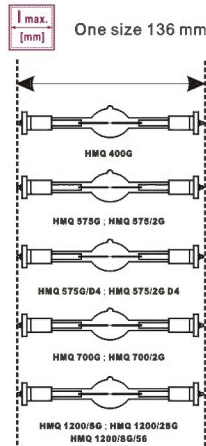
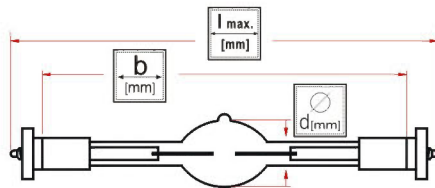
Now, it's golden!

Gold-plated HMQ family is an upgraded series. It offers superior heat tolerance on base, reducing the earlier failure. Better current conductivity leads the lamp performance more reliable.



Features

- Anti-oxidation
- Better heat tolerance
- Lower failures of lamp base
- Superior current conductivity



Order Code



Order Code	W	V	A	Shield	Im	Im/W	Ra
HMQ 1200/SG	1200	100	13.8~	SFc10-4	110000	90	85
HMQ 1200/2SG	1200	100	13.8~	SFc10-4	110000	86	80
HMQ 1200/SG/56	1200	100	13.8~	SFc10-4	110000	90	90

Note:

> After the lamps light up, the intensity of light output varies until the gas pressure inside the bulb reaches thermal equilibrium. It may take 2 minutes to reach the max. light output.

Gold Plated HMQ series

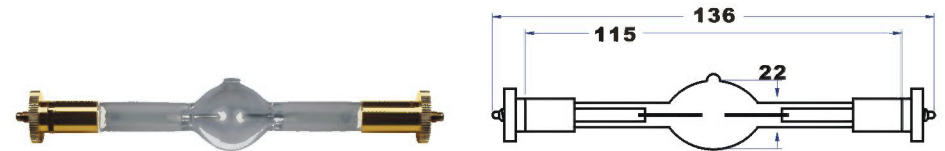
- Ignition starts at 2-3Kv
- Run-up time: 2 mins
- Max. permissible : 400°C on base
- Recommended switch cycle : 3.5 hrs on/0.5 off

Applications

- Disco/Theatre/Stage lighting
- Architectural lighting
- Museum projection
- Entertainment



Fig.1



Order Code



Order Code	K	t[h]	Lamp	l max. [mm]	d [mm]	b [mm]	Light Bulb	No.
HMQ 1200/SG	6000	750	7	136	22	115	Universal	1
HMQ 1200/2SG	7500	750	7	136	22	115	Universal	1
HMQ 1200/SG/56	5600	750	7	136	22	115	Universal	1

Note:

> Metal halide lamps must be operated in enclosed luminaires in view of the UV radiation and high operation pressure. An appropriate shielding is necessary to use these lamps.

Metal Halide Lamps

Fig.1 ■

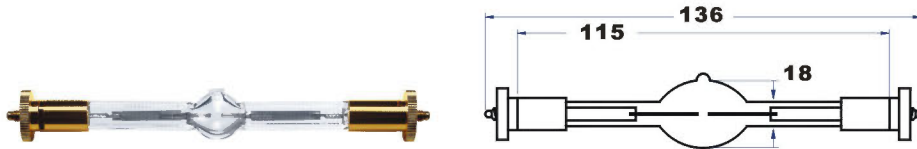
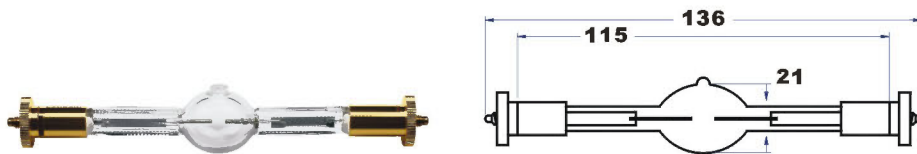


Fig.2 ■



Gold Plated HMQ series

Fig.3 ■

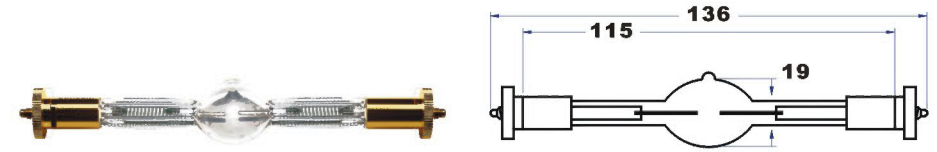
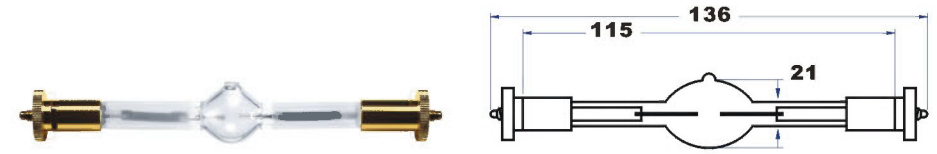


Fig.4 ■



Order Code



Order Code	W	V	A	SFc10-4	lm	lm/W	Ra
HMQ 400G	400	49/-	8.5	SFc10-4	26000	65	80
HMQ 575G	575	95	7.0~	SFc10-4	49000	85	90
HMQ 575/2G	575	95	7.0~	SFc10-4	49000	85	90
HMQ 575G/D4	575	69	8.3	SFc10-4	49000	85	85
HMQ 575/2G D4	575	64	9	SFc10-4	44000	85	80
HMQ 700G	700	70	10	SFc10-4	59000	84	80
HMQ 700/2G	700	70	10	SFc10-4	59000	84	80

Note: ■

> After the lamps light up, the intensity of light output varies until the gas pressure inside the bulb reaches thermal equilibrium. It may take 2 minutes to reach the max. light output.

Order Code



Order Code	K	t[h]	dimming	l max. [mm]	d [mm]	b [mm]	light bulb icon	No.
HMQ 400G	7500	750	3	136	18	115	Universal	1
HMQ 575G	6000	750	7	136	21	115	Universal	2
HMQ 575/2G	7000	750	7	136	21	115	Universal	2
HMQ 575G/D4	6000	750	4	136	19	115	Universal	3
HMQ 575/2G D4	7200	750	4	136	19	115	Universal	3
HMQ 700G	6000	750	4	136	21	115	Universal	4
HMQ 700/2G	7500	750	4	136	21	115	Universal	4

Note: ■

> Metal halide lamps must be operated in enclosed luminaires in view of the UV radiation and high operation pressure. An appropriate shielding is necessary to use these lamps.

Metal Halide Lamps

Pre-focus Slot

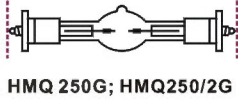


SFc10-4

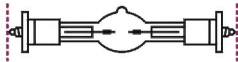
Features

- Anti-oxidation
- Better heat tolerance
- Lower failures of lamp base
- Superior current conductivity

92 mm



HMQ 250G; HMQ250/2G

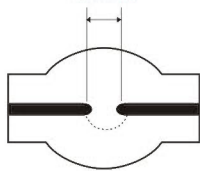


HMQ 575G D5; HMQ575/D5

$l_{max.}$
[mm] 92 mm

Extra compact size 92mm for smaller luminaires

5mm



Arc length

Short arc 5mm for higher efficiency

Order Code



Order Code	W	V	A	SFc10-4	lm	lm/W	Ra
HMQ 250G	250	94	3~	SFc10-4	18000	68	80
HMQ 250/2G	250	94	3~	SFc10-4	18000	68	85
HMQ 575G/D5	575	95	7.0~	SFc10-4	43000	85	85
HMQ 575/2G D5	575	95	7.0~	SFc10-4	43000	85	85

Note:

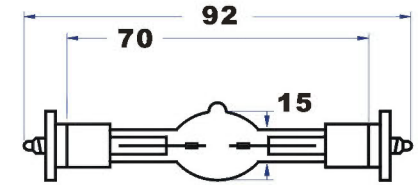
> After the lamps light up, the intensity of light output varies until the gas pressure inside the bulb reaches thermal equilibrium. It may take 2 minutes to reach the max. light output.

Gold Plated HMQ series

NEW



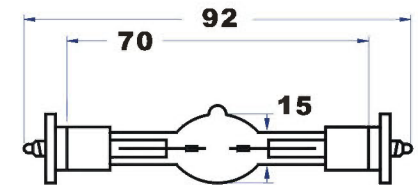
Fig.1



NEW



Fig.2



Order Code



Order Code	K	t[h]	Shield	$l_{max.}$ [mm]	d [mm]	b [mm]	Universal	No.
HMQ 250G	6500	2000	5	92	15	70	Universal	1
HMQ 250/2G	8000	2000	5	92	15	70	Universal	1
HMQ 575G/D5	5600	750	5	92	15	70	Universal	2
HMQ 575/2G D5	7500	750	5	92	15	70	Universal	2

Note:

> Metal halide lamps must be operated in enclosed luminaires in view of the UV radiation and high operation pressure. An appropriate shielding is necessary to use these lamps.

High Intensity Discharge

Overview

Using the similar tech of projector lamp, HID 150 emits point light source. It is a great substitute for Halogen ELC 250W with the beam angle of ELC lamp with beam angle. The body is compact and the electrical consumption is extremely low in spite of the higher brightness and greater luminous efficacy. The color temperature is 6000K and the average life is up to 1000 hours. It takes about 30 seconds to reach 80% of full brightness after lighting up. HID 150 is an ideal light source for effect lighting fixtures.

Features

- Long life
- Daylight character
- High luminous efficacy
- High color temperature
- Low consumption of wattages

Applications

- Effect lights
- Projecting
- Indoor/outdoor lights



Fig.1



Fig.2

Order Code

W	V	A		K	lm	Ra
---	---	---	--	---	----	----

HID 150	150±2	95±13	1.6~	Wire	6500	11000	73
HID 150 G12	150±2	95±13	1.6~	G12	6500	11000	73

HID 150



> as small as ELC



> as bright as discharge lamp



> low power consumption but extraordinary effect

Advantage

Note:

The wire of bulb is recommended to be placed Aside when you install it into light fixture.



Wire placed at left



Wire placed at right



Note:

Keep good ventilation for better performance. The temperature of top of bulb is better no more than 300-350°C.

Order Code

	t(h)						
--	------	--	--	--	--	--	--

HID 150	12°	1000	2.8	43	50	40	Universal	1
HID 150 G12	12°	1000	2.8	67	50	40	Universal	2

Note:

> Because of the high pressure inside of HID lamps, relamping at/before the end of rated life to avoid the possibility of arc rupture is advised.

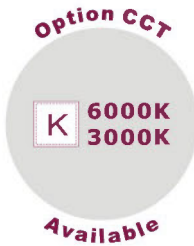
High Intensity Discharge

Overview

High tech lamp, HID 32W is a great light source for replacing 12V/50W Halogen lamps. Compact size, low heat and radiation, ultra high brightness and greater luminous efficacy value your displays. Color temperature is 6000K and the average life is up to 3000 hours. It's easy to be ignited and takes one minute to reach full brightness. With beam angle of 12°, 24° and 60°, HID 32 is an ideal light source for display window lighting, projector, jewelry stores lighting, atmosphere lightings, etc.

Features

- Daylight character 6000K
- Long Life 3000H
- Low heat
- High luminous efficacy
- Good CRI(Ra)
- Low UV radiation



- Low consumption
- Fitted with reflector
- Smallest discharge lamp
- 30 sec. to 80% brightness

HID32

Applications

- Jewelry stores lighting
- Projectors
- Display lighting
- Atmosphere lightings

HID 32W



Halogen



With UV lens

Fig.1



With UV lens

Fig.2



GU10-easy plug in

Order Code

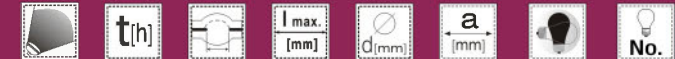


	W	V	A	K	lm	Ra	
HID 32/12 HR	32±2	85±13	0.4	Wire	6000	2500	78
HID 32/24 HR	32±2	85±13	0.4	Wire	6000	2500	78
HID 32/60 HR	32±2	85±13	0.4	Wire	6000	2500	78
HID 32/12	32±2	85±13	0.4	GU10	6000	2500	78
HID 32/24	32±2	85±13	0.4	GU10	6000	2500	78
HID 32/60	32±2	85±13	0.4	GU10	6000	2500	78
HID 32/24 HR C3	32±2	85±13	0.4	Wire	3000	2500	78
HID 32/60 HR C3	32±2	85±13	0.4	Wire	3000	2500	78
HID 32/24 C3	32±2	85±13	0.4	GU10	3000	2500	78
HID 32/60 C3	32±2	85±13	0.4	GU10	3000	2500	78

Note:

> HID 32/12, HID 32/24 and HID 32/60 should not be used when the ignition is over 9Kv, due the short distance between electrodes of GU10. Or it may cause the electrodes arcing and arc tube rupture.

Order Code



	t(h)	max. [mm]	d[mm]	a [mm]	No.			
HID 32/12 HR	12°	3000	3	43	50	32	Universal	1
HID 32/24 HR	24°	3000	3	43	50	32	Universal	1
HID 32/60 HR	60°	3000	3	43	50	32	Universal	1
HID 32/12	12°	3000	3	43	50	46	Universal	2
HID 32/24	24°	3000	3	43	50	46	Universal	2
HID 32/60	60°	3000	3	43	50	46	Universal	2
HID 32/24 HR C3	24°	3000	3	43	50	46	Universal	1
HID 32/60 HR C3	60°	3000	3	43	50	46	Universal	1
HID 32/24 C3	24°	3000	3	43	50	46	Universal	2
HID 32/60 C3	60°	3000	3	43	50	46	Universal	2

Note:

> Because of the high pressure inside of HID lamps, relamping at/before the end of rated life to avoid the possibility of arc rupture is advised.

High Intensity Discharge

Features

- Daylight character 6000K
- Long Life 3000H
- Low heat
- High luminous efficacy
- Good CRI(Ra)
- Low UV radiation

Low consumption

Fitted with reflector

Smallest discharge lamp

30 sec. to 80% brightness

Applications

- Jewelry stores lighting
- Projecting: clock projection
- Display lighting
- Atmosphere lightings

Order Code

W V A K lm Ra

Order Code	W	V	A	K	lm	Ra	
HID 35/12	35±2	85±13	0.42	GU10	6000	3400	78
HID 35/24	35±2	85±13	0.42	GU10	6000	3000	78
HID 35/60	35±2	85±13	0.42	GU10	6000	2600	78
HID 35/4 DE	35±2	85±13	0.42	R7S	4000	3400	97
HID 35/6 DE	35±2	85±13	0.42	R7S	6000	2600	74
HID 35/8 DE	35±2	85±13	0.42	R7S	8000	2200	62
HID 35/10 DE	35±2	85±13	0.42	R7S	10000	2000	57

Note:

➤ Because of the high pressure inside of HID lamps, relamping at/before the end of rated life to avoid the possibility of arc rupture is advised.

HID35

HID 35/12 is recommended for logo projector applications because of its great focus effect. HID 35/24 and HID 35/60 is ideal for commercial lightings or environment lightings. 24 and 60 beam angle give wider light distribution. Double end HID 35 is another choice to give warm CCT to white cool CCT in applied environment.



With UV lens

Fig.1



GU10-easy plug in



Fig.2

Order Code

t(h) I max. (mm) Ø (mm) a (mm) No.

Order Code	t(h)	I max. (mm)	Ø (mm)	a (mm)	No.			
HID 35/12	12°	3000	3	52	50	46	Universal	1
HID 35/24	24°	3000	3	52	50	46	Universal	1
HID 35/60	60°	3000	3	52	50	46	Universal	1
HID 35/4 DE	-	3000	4	78.3	10	45	Universal	2
HID 35/6 DE	-	3000	4	78.3	10	45	Universal	2
HID 35/8 DE	-	3000	4	78.3	10	45	Universal	2
HID 35/10 DE	-	3000	4	78.3	10	45	Universal	2

Halogen Lamps

Halogen lamps offer excellent beam control and can create intense, focus beams for widely use of applications.



Fig.1 ■



Fig.2 ■



Fig.3 ■



Fig.4 ■

Order Code

V

W

lm

K



AB-BRL	12	50	1300	2850	G6.35
AB-FCR	12	100	3400	2900	GY6.35
AB-FCS	24	150	6000	3200	G6.35
AB-EHJ	24	250	8500	3200	G6.35
AB-JCD-1	120	200	5500	3200	G6.35
AB-JCD-2	230	200	5500	3200	G6.35
AB-JCD-3	240	200	5500	3200	G6.35
AB-JCD-4	250	200	5500	3200	G6.35
AB-JCD-5	120	1000	2350	3200	GX6.35
AB-JCD-6	120	100	1200	3100	G6.35
AB-BVM-1	120	300	6300	3150	GX6.35
AB-BVM-2	120	300	7700	3200	GX6.35
AB-BVM-3	240	300	7700	3200	GX6.35

Note: ■

> The lifespan of halogen lamps is highly related to the voltage supplied at the base of the lamp. In some cases, operation voltage above the rated voltage of bulb can considerably reduce the rated lifespan.

Halogen Lamps

Long life : 150H



Fig.5 ■



Fig.6 ■



Fig.7 ■



Fig.8 ■

Order Code



l max.
[mm]

Ø [mm]

t [h]

Ref.
No.

l
No.

AB-BRL	Universal	44	11.5	50	64610/BRL	1
AB-FCR	Universal	44	11.5	50	64625/FCR	2
AB-FCS	Universal	50	13.5	50	64640/FCS	3
AB-EHJ	Universal	55	13.5	50	64655/EHJ	4
AB-JCD-1	Universal	52	18	75		5
AB-JCD-2	Universal	52	18	75		5
AB-JCD-3	Universal	52	18	75	BSJ	5
AB-JCD-4	Universal	52	18	75		5
AB-JCD-5	Universal	50	14	200	64573/PF811	5
AB-JCD-6	Universal	49	12.7	500		6
AB-BVM-1	Universal	52	18	150	64514L	7
AB-BVM-2	Universal	53.5	18.5	75	64514	8
AB-BVM-3	Universal	53.5	18.5	75	64516	8

Halogen Lamps

Halogen lamps offer excellent beam control and can create intense, focus beams for widely use of applications.



Fig.1 ■



Fig.2 ■



Fig.3 ■

Order Code

V

W

lm

K



AB-ELC	24	250	8500	3200	GX5.3
AB-ELC3	24	250	8200	3100	GX5.3
AB-ELC5	24	250	8100	3100	GX5.3
AB-EFR	15	150	5000	3200	GZ6.35
AB-EFR3	15	150	4800	3000	GZ6.35
AB-EFP	12	100	3000	3200	GZ6.35
AB-EFP3	12	100	2800	3000	GZ6.35
J Type-1	120	300	4500	2900	R7S
J Type-2	240	500	9000	2900	R7S
J Type-3	120	800	22000	3200	R7S
J Type-4	230/240	800	22000	3200	R7S
J Type-5	120	500	9000	2900	R7S
J Type-6	230	1000	24000	3000	R7S
JS Type-1	120	800	17600	3000	R7S
JS Type-2	230	800	17600	3000	R7S

Note: ■

> The lifespan of halogen lamps is highly related to the voltage supplied at the base of the lamp. In some cases, operation voltage above the rated voltage of bulb can considerably reduce the rated lifespan.

Halogen Lamps



Fig.4 ■



Fig.5 ■



Fig.6 ■



Fig.7 ■

Order Code



l max.
[mm]

∅
[mm]

t[h]

Ref.
No.

No.

AB-ELC	Universal	44.5	50	50	64653/ELC	1
AB-ELC3	Universal	44.5	50	300	94653/ELC3	1
AB-ELC5	Universal	44.5	50	500	ELC5	1
AB-EFR	Universal	44.5	50	50	64634/EFR	2
AB-EFR3	Universal	44.5	50	300	EFR 3H	2
AB-EFP	Universal	42	50	50	64627/EFP	3
AB-EFP3	Universal	42	50	300	EFP 3H	3
J Type-1	Universal	117.5	12	2000		4
J Type-2	Universal	117.5	12	2000		4
J Type-3	p45	118	10	800		5
J Type-4	p45	118	10	800	EME	5
J Type-5	Universal	117.5	12	2000		4
J Type-6	Universal	189	12	500	64741	6
JS Type-1	Universal	147	10	800		7
JS Type-2	Universal	147	10	800		7

Halogen Lamps

Halogen lamps offer excellent beam control and can create intense, focus beams for widely use of applications.



Fig.1 ■



Fig.2 ■



Fig.3 ■



Fig.4 ■

Order Code



AB-EVC	24	250	8400	3250	G6.35
AB-EGY	240	1000	23500	3200	GX6.35
AB-DYR	230	650	16500	3200	GY9.5
AB-DYS-1	120	600	17000	3200	GY9.5
AB-DYS-2	126	600	15000	3200	GY9.5
AB-DXX	230	800	21400	3100	R7S
RING TYPE-1	120	650	13500	3100	GX9.5
RING TYPE-2	230	650	13500	3100	GX9.5
RING TYPE-3	120	800	19200	3100	GX9.5
RING TYPE-4	240	800	19200	3100	GX9.5

Note: ■

► The lifespan of halogen lamps is highly related to the voltage supplied at the base of the lamp. In some cases, operation voltage above the rated voltage of bulb can considerably reduce the rated lifespan.

Halogen Lamps

Applications

Spot light/ Effect light/ Projector/ Stage/ Various applications



Fig.5 ■



Fig.6 ■



Fig.7 ■

Order Code



AB-EVC	Universal	50	14	200	64657/EVC	1
AB-EGY	Universal	53	18	40	64575/PF811	2
AB-DYR	Universal	63	24	75	64686/DYR	3
AB-DYS-1	Universal	61	22	75	DYS/DYV	4
AB-DYS-2	Universal	61	22	150	DYS-5	4
AB-DXX	Universal	79	13.5	75	DXX/64571	5
RING TYPE-1	Universal	94		280		6
RING TYPE-2	Universal	94		280		6
RING TYPE-3	Universal	100		280	HX185	7
RING TYPE-4	Universal	100		280	HX185	7

Halogen Lamps

HPL lamps are designed by unique filament coil, mounted with a special heat sink base (G9.5). It ensures high lumen output with lower heat load to the socket. Suitable for the application of theater, studio, etc.

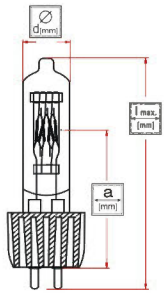


Fig.1 ■



Fig.2 ■

Order Code



Order Code	V	W	lm	K	Heat Sink
HPL 575-120	120	575	15000	3100	2pin
HPL 575-230	230	575	15000	3100	2pin
HPL 575-240	240	575	15000	3100	2pin
HPL 575-120L	120	575	12300	3050	2pin
HPL 575-230L	230	575	11700	3050	2pin
HPL 575-240L	240	575	11700	3050	2pin
HPL 750-120	120	750	19750	3100	2pin
HPL 750-230	230	750	19750	3100	2pin
HPL 750-240	240	750	19750	3100	2pin
HPL 750-120L	120	750	15600	3050	2pin
HPL 750-230L	230	750	15600	3050	2pin
HPL 750-240L	240	750	15600	3050	2pin

Note: ■

> The lifespan of halogen lamps is highly related to the voltage supplied at the base of the lamp. In some cases, operation voltage above the rated voltage of bulb can considerably reduce the rated lifespan.

Halogen Lamps

Applications

- Theater/TV/Studio
- Entertainment and Architectural lighting applications
- Professional Photography

Base

- Operating position: ANY
- Medium 2 pins with heat sink



Order Code



Order Code	Application	l max. [mm]	Ø [mm]	a [mm]	t [h]	Ref. No.	No.
HPL 575-120	Universal	103	19	60.3	300	7007/93728	1
HPL 575-230	Universal	103	19	60.3	300	7007/93728	1
HPL 575-240	Universal	103	19	60.3	300	7007/93728	1
HPL 575-120L	Universal	103	19	60.3	1500	7007LL/93728LL	1
HPL 575-230L	Universal	103	19	60.3	1500	7007LL/93728LL	1
HPL 575-240L	Universal	103	19	60.3	1500	7007LL/93728LL	1
HPL 750-120	Universal	103	19	60.3	300	7008/93729	2
HPL 750-230	Universal	103	19	60.3	300	7008/93729	2
HPL 750-240	Universal	103	19	60.3	300	7008/93729	2
HPL 750-120L	Universal	103	19	60.3	1500	7008LL/93729LL	2
HPL 750-230L	Universal	103	19	60.3	1500	7008LL/93730LL	2
HPL 750-240L	Universal	103	19	60.3	1500	7008LL/93731LL	2

Halogen Lamps

Applications

- Theater/TV/Studio
- Entertainment and Architectural lighting applications
- Professional Photography



Fig.1



Fig.2

Order Code



Order Code	V	W	lm	K	Shield Icon
FEX-240	240	2000	50000	3100	RX7s
FVA-230	230	1000	25000	3100	GX9.5
FVA-240	240	1000	25000	3100	GX9.5
FKJ-230	230	1000	25000	3100	G22
FKJ-240	240	1000	25000	3100	G22
FKK-230	230	2000	52000	3100	G38
FKK-240	240	2000	52000	3100	G38

Note:

> The lifespan of halogen lamps is highly related to the voltage supplied at the base of the lamp. In some cases, operation voltage above the rated voltage of bulb can considerably reduce the rated lifespan.

Halogen Lamps



Fig.3



Fig.4

Order Code



Order Code	Light Bulb Icon	I max. [mm]	Ømm	t[h]	Ref. No.	No.
FEX-240	p15	138.1	25	250	1314R/64781	1
FVA-230	s90	104	26	250	6995P/64754	2
FVA-240	s90	104	26	250	6995P/64754	2
FKJ-230	s90	126	26	250	6995Z/64747	3
FKJ-240	s90	126	26	250	6995Z/64747	3
FKK-230	s90	206	40	300	6994Z/64789	4
FKK-240	s90	206	40	300	6994Z/64789	4

Halogen Lamps

Applications

- Theater/TV/Studio
- Entertainment and Architectural lighting applications
- Professional Photography



Fig.1



Fig.2



Fig.3

Order Code



Order Code	V	W	lm	K	Bulb Type
GCV-230	230	500	11000	3000	GY9.5
GCW-240	240	500	11000	3000	GY9.5
CP40-120	120	1000	25000	3100	G22
CP43-230	230	2000	54000	3100	GY16
CP43-240	240	2000	54000	3100	GY16
CP89-120	120	650	16900	3100	GY9.5
CP89-230	230	650	16250	3100	GY9.5
CP89-240	240	650	16250	3100	GY9.5
CP92-230	230	2000	50000	3100	G22
CP92-240	240	2000	50000	3100	G22
CP93-230	230	1200	33000	3100	G22
CP93-240	240	1200	33000	3100	G22

Note:

> The lifespan of halogen lamps is highly related to the voltage supplied at the base of the lamp. In some cases, operation voltage above the rated voltage of bulb can considerably reduce the rated lifespan.

Halogen Lamps



Fig.4



Fig.5



Fig.6

Order Code



Order Code	I max. [mm]	d [mm]	t [h]	Ref. No.	No.
GCV-230	s90	90	23	300	6820P/64670 1
GCW-240	s90	90	23	300	6820P/64670 1
CP40-120	s90	126	26	250	6995Z/64742 2
CP43-230	s90	132	40	300	6994P/64788 3
CP43-240	s90	132	40	300	6994P/64788 3
CP89-120	s90	90	25	200	6638P/54631 4
CP89-230	s90	90	25	150	6638P/64717 4
CP89-240	s90	90	25	150	6638P/64717 4
CP92-230	s90	161	40	300	6975Z/64777 5
CP92-240	s90	161	40	300	6975Z/64777 5
CP93-230	s90	125	26	200	6895Z/64756 6
CP93-240	s90	125	26	200	6895Z/64756 6

Flash Lamps

Overview

Flash lamps are similar to all other arc lamps in that optical radiation is produced by passing an electrical current through a gas. Xenon flash lamps are filled with Xenon, designed to produce pulsed radiation ranging from 200 to 1000nm. Near Continuous spectrum is produced when sufficient energy is transferred to the gas and discharging large amounts of energy in a short period of time.

Xenon flash lamps are operated under a stable circuit with peak coil to provide the triggering pulse of 10kv. It requires an instant high current to trigger the lamps, thus, the power cable must be able to transmit the instant high current in a second.



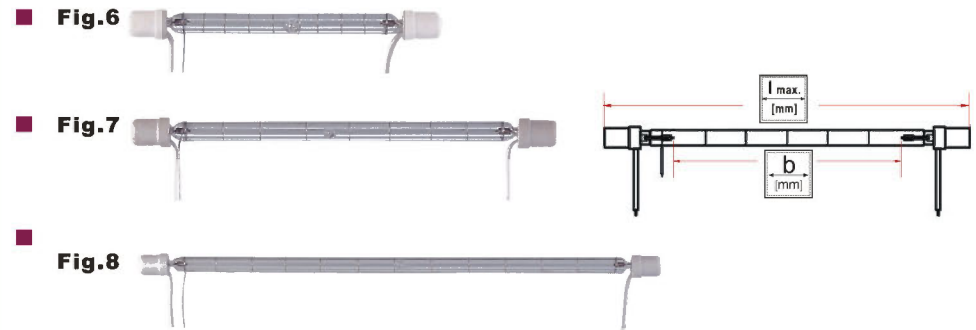
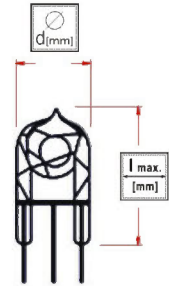
Order Code	W	$\frac{+}{-}$ v min.	$\frac{+}{-}$ v max.	$\frac{lm}{W}$	K
PX-15	15	330	620	20-25	5600
PX-45	45	330	620	20-25	5600
PX-45S	45	330	620	20-25	5600
PX-75	75	330	620	20-25	5600
PX-75S	75	330	620	20-25	5600
PX-200	200	330	620	20-25	5600
PX-750	750	330	620	20-25	5600
PX-1500	1500	330	620	20-25	5600

Flash Lamps

The average rated life is abt. 8 millions flashes. Since they emit short-wave UV radiation, they must be shielded to protect the high starting voltage, the lamp-holders must be insulated from the luminaire.

Features

- High light output with stable color temperature
- Trigger reliability
- Universal burning position
- Instant ignition and re-ignition w/o warm-up time



Order Code	Est. Flash [Mil]	l max. [mm]	b [mm]	$\frac{lm}{W}$	No.
PX-15	8	64	4	Universal	1
PX-45	8	31	18	Universal	2
PX-45S	8	31	18	Universal	3
PX-75	8	35	24	Universal	4
PX-75S	8	35	24	Universal	5
PX-200	8	172	104	Universal	6
PX-750	8	238	170	Universal	7
PX-1500	8	390	320	Universal	8

Par Lamps



Fig.1 ■



Fig.2 ■



Fig.3 ■



Fig.4 ■



Fig.5 ■

Order Code



PAR 64 LAMPS

P26151	VNSP	120	1000	M/MP	3200
P26152	NSP	120	1000	M/MP	3200
P26153	MFL	120	1000	M/MP	3200
P26351	VNSP	230	1000	M/MP	3200
P26352	NSP	230	1000	M/MP	3200
P26353	MFL	230	1000	M/MP	3200
P36351	VNSP	240	1000	M/MP	3200
P36352	NSP	240	1000	M/MP	3200
P36353	MFL	240	1000	M/MP	3200

PAR 56 LAMPS

P25132	NSP	120	300	M	3100
P25133	MFL	120	300	M	3100
P25232	NSP	230	300	M	3100
P25233	MFL	230	300	M	3100
P25332	NSP	240	300	M	3100
P25333	MFL	240	300	M	3100

PAR 38 LAMPS

P27165	SPOT	120	75	sc	3100
P27175	SPOT	120	120	sc	3100
P27265	SPOT	230	75	sc	3100
P27275	SPOT	230	120	sc	3100

PAR36 LAMPS

P23412	NSP	6.4	30	C6	3100
P13163	MFL	120	650		3200

Sealed Beam



Fig.6 ■



Fig.7 ■



Fig.8 ■



Fig.9 ■

Order Code



PAR 64 LAMPS

P26151	320000	300	Gx16d	FFN	1
P26152	300000	300	Gx16d	FFP	2
P26153	260000	300	Gx16d	FFR	3
P26351	320000	300	Gx16d	CP60	1
P26352	300000	300	Gx16d	CP61	2
P26353	260000	300	Gx16d	CP62	3
P36351	320000	300	Gx16d	CP60	1
P36352	300000	300	Gx16d	CP61	2
P36353	260000	300	Gx16d	CP62	3

PAR 56 LAMPS

P25132	50000	300	Gx16d		4
P25133	24000	300	Gx16d		5
P25232	50000	300	Gx16d		4
P25233	24000	300	Gx16d		5
P25332	50000	300	Gx16d		4
P25333	24000	300	Gx16d		5

PAR 38 LAMPS

P27165	24000	1000	E27		6
P27175	32000	1000	E27		7
P27265	24000	1000	E27		6
P27275	32000	1000	E27		7

PAR36 LAMPS

P23412	45000	100	SCREW	H4515	8
P13163		100	SCREW	41677/DWE	9

Xenon Short Arc Lamps

Overview

XPO emits light by arc discharging. It is filled with high purity xenon gas that emits white light at high color temperature of approx. 6000K. It matches the spectral distribution of sunlight and remains constant throughout the life of lamp.

XPO is ideal for various applications from photometric instruments to cinemas, video projection, or stage and studio applications, etc.



Fig.1

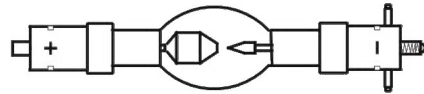


Fig.3

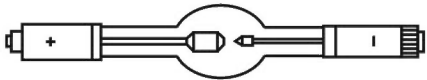
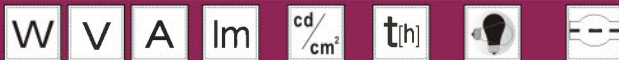


Fig.2

Note:

- > Max. permissible base temperature: 230C
- > Suitable for horizontal burning position.
- > For vertical burning position: anode (+) on top.
- > The anode & cathode of lamp must be connected correctly to the power supply.

Order Code



Order Code	W	V	A	lm	cd/cm ²	t[h]	Lamp Type	Dimensions
XPO 1000W/HS OFR	1000	19	50	32000	60000	1500	s20 p20	1.1x2.8
XPO 1000W/HTP OFR	1000	21	45	35000	45000	1500	s30 p30	1.0x4.0
XPO 1600W/HS OFR	1550	23	65	70000	70000	1500	s20 p20	1.0x3.2
XPO 2000W/HS OFR	2000	24	80	80000	80000	1500	s30 p30	1.3x4.0
XPO 2500W/HS OFR	2500	28	90	100000	80000	1500	s30 p30	1.5x4.5

Xenon Short Arc Lamps

Features

- Hot restart
- Dimmable
- DC operation
- Long life
- High luminance (point light source)
- Daylight color temperature of approximately 6000K
- High color rendering index (Ra>95)
- Continual color quality



Fig.4

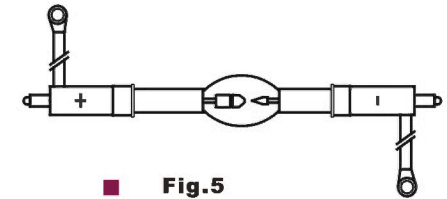
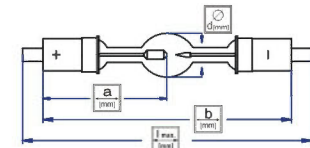
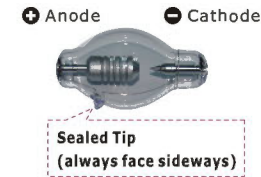
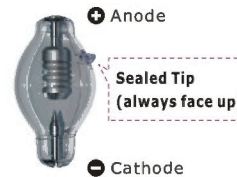


Fig.5

Installation direction:



Order Code



Order Code	d [mm]	I max. [mm]	a [mm]	b [mm]	Lamp Type	Ref. No.	No.
XPO 1000W/HS OFR	40	235	205	95	SFa27-11 SFcX27-8	XBO 1000W/HS OFR	1
XPO 1000W/HTP OFR	46	330	277	123	SFa25-14 SFc25-14	XBO 1000W/HTP OFR	2
XPO 1600W/HS OFR	46	235	205	95	SFa27-11 SFcX27-8	XBO 1600W/HS OFR	3
XPO 2000W/HS OFR	60	342	302	145	SFaX27-9.5 SFa27-7.9	XBO 2000W/HS OFR	4
XPO 2500W/HS OFR	60	342	302	145	SFaX27-9.5 SFa27-7.9	XBO 2500W/HS OFR	5

Xenon Short Arc Lamps

Overview

XPO emits light by arc discharging. It is filled with high purity xenon gas that emits white light at high color temperature of approx. 6000K. It matches the spectral distribution of sunlight and remains constant throughout the life of lamp.

XPO is ideal for various applications from photometric instruments to cinemas, video projection, or stage and studio applications, etc.



Fig. 2

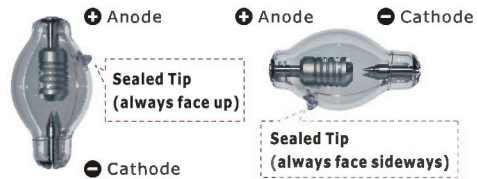


Fig. 1

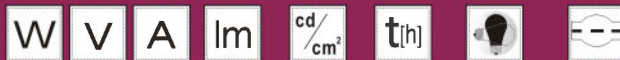
Note:

- > Max. permissible base temperature: 230C
- > Suitable for horizontal burning position.
- > For vertical burning position: anode (+) on top.
- > The anode & cathode of lamp must be connected correctly to the power supply.

Installation direction:



Order Code



Order Code	W	V	A	lm	cd/cm ²	t[h]	Light Bulb Icon	Power Supply Icon
XPO 3000W/HS OFR	3000	29	100	130000	90000	1200	s30 p30	1.7x5.0
XPO 4000W/HS OFR	4000	28	135	155000	90000	1000	s20 p20	1.0x6.0
XPO 5000W/HTP OFR	5000	34	140	225000	95000	800	s15 p15	2.2x6.5
XPO 6000W/HS OFR	6000	37	160	280000	105000	600	s15 p15	2.0x7.5

Xenon Short Arc Lamps

Features

- High luminance (point light source)
- Daylight color temperature of approximately 6000K
- High color rendering index (Ra>95)
- Continual color quality
- Hot restart
- Damnable
- DC operation
- Long life



Fig. 3



Fig. 4

Applications

- Cinema, digital film and video projection
- Architectural and effect lighting
- Photographic devices and optics
- Head light of trains
- Color and light meters, Solar simulation, etc.

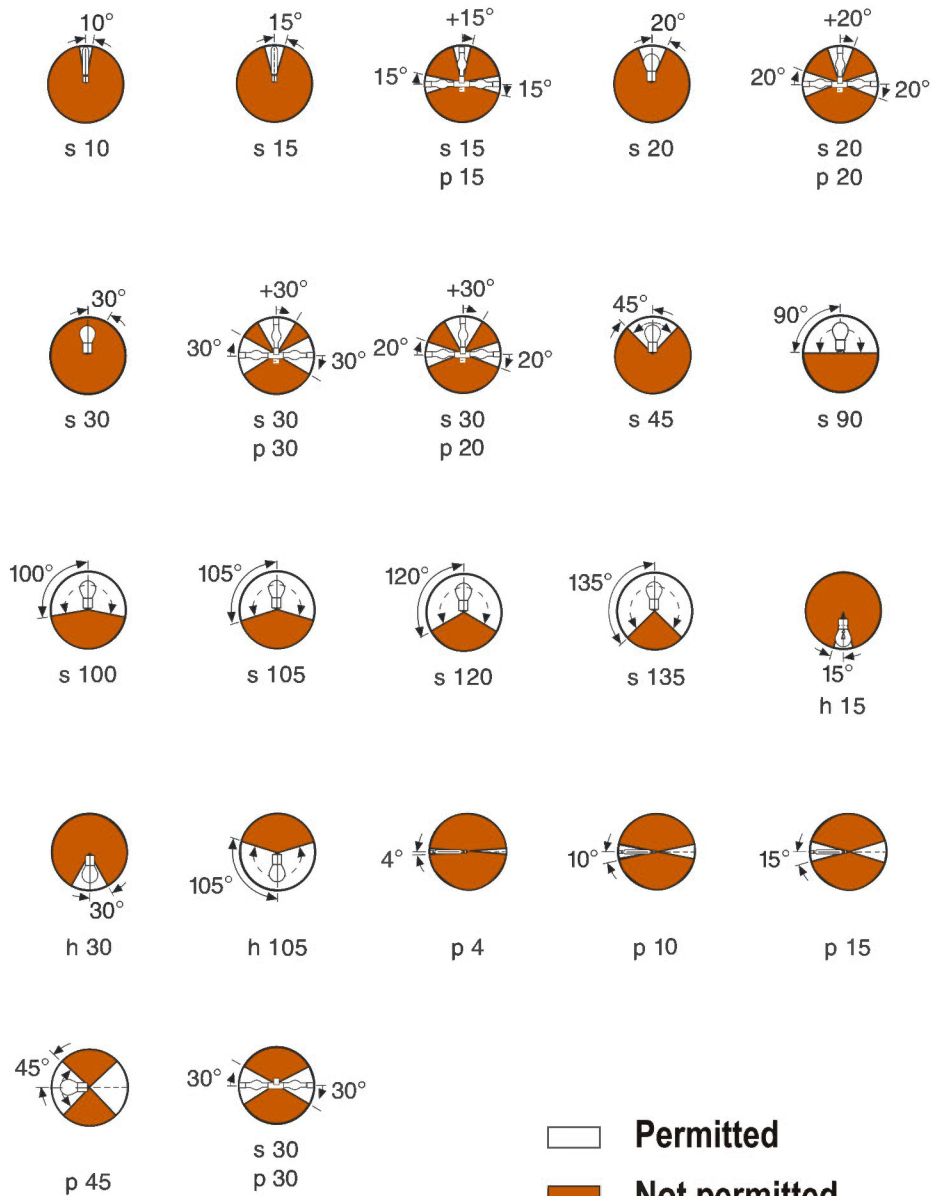


Order Code



Order Code	d[mm]	I max. [mm]	a [mm]	b [mm]	Power Supply Icon	Lamp Icon	Ref. No.	No.
XPO 3000W/HS OFR	60	342	302	145	SFaX27-9.5	SFa27-7.9	XBO 3000W/HS OFR	1
XPO 4000W/HS OFR	70	410	370	171	SFaX30-9.5	SFa30-7.9	XBO 4000W/HS OFR	2
XPO 5000W/HTP OFR	70	433	382	165	SFa27-14	SFc27-14	XBO 5000W/HTP OFR	3
XPO 6000W/HS OFR	78	433	392	170.5	SFaX30-9.5	SFa30-7.9	XBO 6000W/HS OFR	4

Operating positions



Lamps base

