



GX5.3 specular 50 mm



GZ6.35 specular 50 mm

Features

Filament lamps

1. Small bulb shape
2. Excellent distortion-free quartz bulb

Optical lamps

1. Dichroic coating on glass reflector radiates about 75% of the generated heat backwards.
2. Precisely aligned halogen burner using an optical system.
3. High efficacy.

Benefits

Filament lamps

1. Specially suited for compact efficient systems
2. Optimal beam performance

Optical lamps

1. Keeps temperature within limits.
2. No realignment needed when lamp is replaced
3. Low energy consumption.

Dimming

Low voltage halogen lamps should not be dimmed by more than 10% of their rated voltage since this will result in a reduction in life.

Standard tungsten filament lamps (with no halogen filling), can be dimmed to zero volts, resulting in virtually endless life. However if low voltage tungsten halogen lamps are dimmed by more than 10%, the lamp will be operating at a too low temperature and the free halogens in the gas fill, will attack the cooler parts of the tungsten filament i.e. where enters the quartz or glass envelope. The wire at that point will then be eroded and eventually will fail.

So if dimmed by 10% or more, low voltage tungsten halogen lamps will not have an extended life but are unlikely even to reach their rated life.



GZ9.5



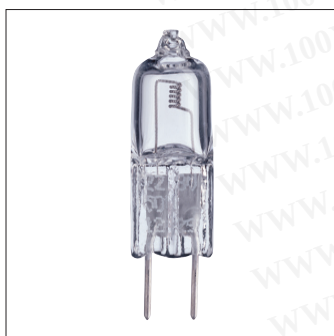
G6.35



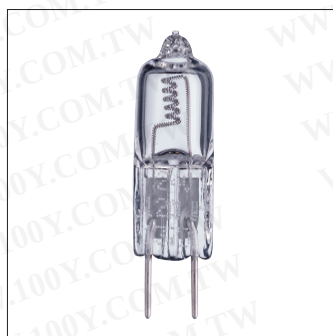
GY6.35



GY6.35 / 19 x 19



I2429

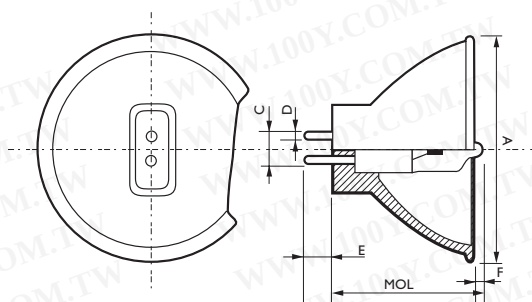


I3701



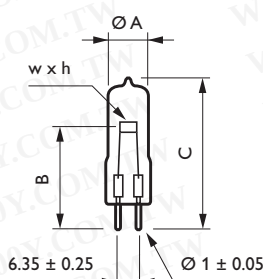
I4545P

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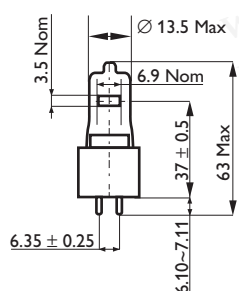
Type	ANSI Code	MOL	A	C pins centre to centre	D pin diameter	E min. pin length	F max. protruding
13938		45	50.7	5.3	1.5	4.9 min	< 0
	EFN	44.5	50.7	5.3	1.5	4.9 min	< 0

Dimensions in mm

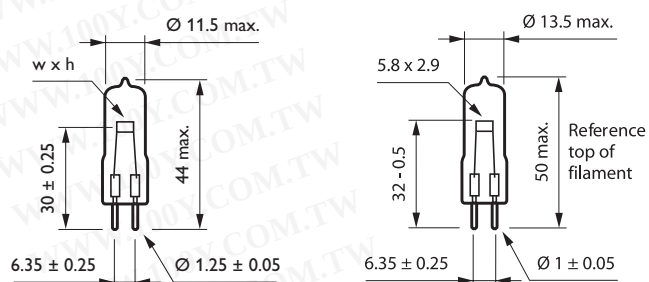


Type	A max.	B	C max.	w x h
6899	11.5	30.0 ± 0.25	44.0	4.3 x 2.0
6958	13.5	33.0 ± 0.25	57.0	7.7 x 3.8
7027	11.5	30.0 ± 0.25	44.0	3.3 x 1.6
7748 S	13.5	33.0 ± 0.25	55.0	7.2 x 3.5
7748 XHP	13.5	33.0 ± 0.25	55.0	7.4 x 3.5
13700	13.5	33.0 ± 0.25	55.0	7.4 x 3.5
EHJ	-	-	-	-

Dimensions in mm



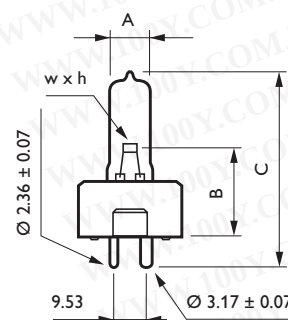
Type	w x h
Cap/base G6.35/19x19	
JC 24V 150W L	6.1 x 3.0
JC 24V 250W L	6.9 x 3.5



14623, 7158, 7158XHP, 14746XHP

Type	w x h
Cap/base GY6.35	
7023	4.2 x 2.3
7724	4.8 x 3.0
14704 XHP	5.2 x 2.9

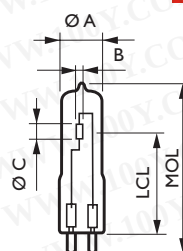
Dimensions in mm



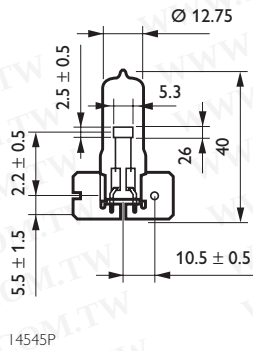
Type	A max.	B	C max.	w x h
DDJ	11.5	27.0 ± 0.5	51	4.3 x 3.0
FDS	13.5	33.4 ± 1.0	57.2	6.5 x 3.0
14623P/5974	13.5	33.3 ± 0.8	60	5.8 x 2.9

Dimensions in mm

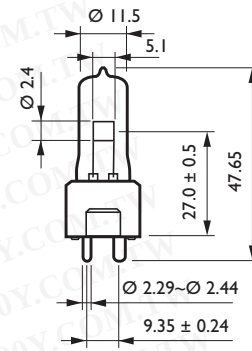
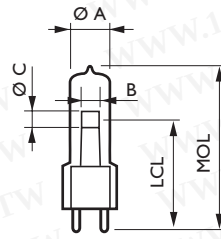
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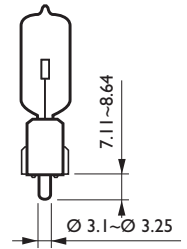
Type	A max.	B	C	LCL	MOL
13701	10.7	2.3	6.6	30 ± 0.4	43
12429	10.7	2.9	1.8	30 ± 0.25	44



Dimensions in mm



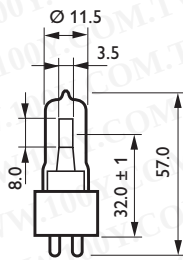
EKL



Dimensions in mm

Type	A	B	C	LCL	MOL
	max.				
JCD 100 100	13.5	7.5	2.1	30.0 ± 0.25	50.0
JCD 100 300 T	16.0	10.3	4.1	33.0 ± 0.5	50.0
JCD 100 150 M	13.5	8.1	2.8	31.5 ± 0.5	50.0

Dimensions in mm

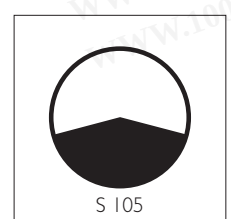
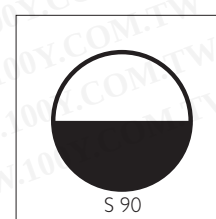
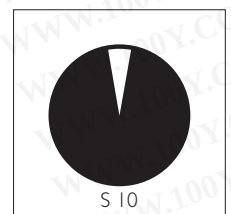
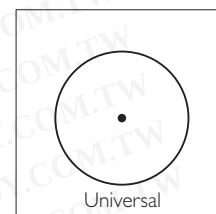


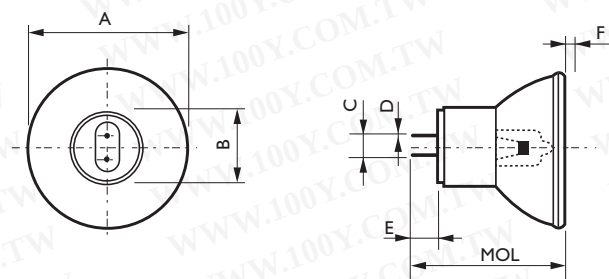
GCA

Dimensions in mm

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Burning positions

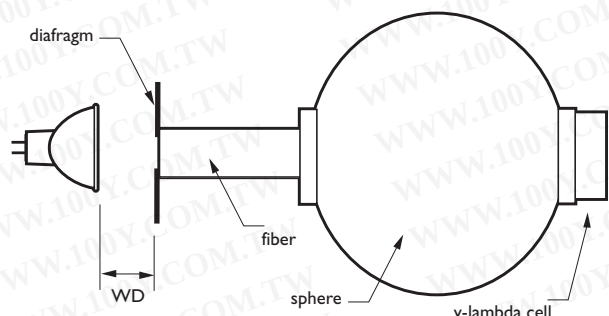




Type	J Code	MOL	A max Ø	C	D	E nom min/ max	F max.
I3288	-	46	50	5.3	1.5	4.9 min	< 0
-	JCR I2V 100W H10	42	50	6.35	1 ± 0.05	-	< 0

Dimension in mm

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Type	J Code	WD	Gate in Ø	Light output average
I3288	-	53	10	340 lm
-	JCR I2V 100W H10	36	7	125000 lux

Dimension in mm



Optical system I3938

Type	ANSI code	Lamp wattage	Lamp voltage	Cap/base	Colour temperature	Lamp life	Reflector diameter	Reflector surface	Min centre intensity	Corner centre ratio	Condensor	Burning position	Max. permissible pinch temp.	Max. permissible bulb temp.	Ordering number
13938		50W	22.8V	GX5.3	3200K	750h	50mm	smooth	350 lux	70%		ANY	350 degr. C	900 degr. C	8222 343 52200
	EFN	75W	12V	GZ6.35	3400K	50h	50mm	smooth	950 lux	50%	yes	S90	400 degr. C	900 degr. C	9248 001 17100

Type	ANSI code	LIF code	J code	Lamp wattage	Lamp voltage	Cap/base	Lumen output	Colour temperature	Lamp life	Burning position	Max. permissible pinch temp.	Max. permissible bulb temp.	Ordering number
7027	BRL/BCD	A1/220		50W	12V	G6.35	1500 lm	3300K	50h	S90	400 degr. C	900 degr. C	9238 702 17100
6899				55W	24V	G6.35	1200 lm	3000K	750h	ANY	350 degr. C	900 degr. C	9239 062 20500
	DDJ			80W	10V	GY9.5	1700 lm	3150K	1000h	S90	350 degr. C	900 degr. C	9247 984 15877
14623				95W	17V	G6.35	2150 lm	2900K	2000h	S90	350 degr. C	900 degr. C	9240 498 19100
14623P				95W	17V	GZ9.5	2050 lm	2900K	2000h	S90	350 degr. C	900 degr. C	9240 533 19100
7724	EVA	M/28		100W	12V	GY6.35	2550 lm	3100K	2000h	S90	350 degr. C	900 degr. C	9238 725 17100
14704 XHP				100W	24V	G6.35	2900 lm	3150K	250h	ANY	400 degr. C	900 degr. C	9240 725 17100
7158	FCS	A1/216		150W	24V	G6.35	5200 lm	3400K	50h	S90	400 degr. C	900 degr. C	9238 705 20500
7158 XHP	FCS	A1/216		150W	24V	G6.35	6000 lm	3400K	50h	S90	400 degr. C	900 degr. C	9240 317 20500
14746 XHP				150W	24V	G6.35	5000 lm	3200K	250h	S90	350 degr. C	900 degr. C	9240 595 20500
	FDS			150W	24V	GZ9.5	4450 lm	3400K	50h	S90	400 degr. C	900 degr. C	9248 072 17177
			JC 24V 150W L	150W	24V	G6.35/19x19	4800 lm	3400K	50h	S90	400 degr. C	900 degr. C	9248 089 20500
			JC 24V 250W L	250W	24V	G6.35/19x19	8500 lm	3400K	50h	S90	400 degr. C	900 degr. C	9248 090 20500
5974	FDS/DZE	A1/262		150W	24V	GZ9.5	5000 lm	3400K	50h	S90	400 degr. C	900 degr. C	9239 286 20500
	EHJ	A1/223		250W	24V	G6.35	8500 lm	3400K	50h	S90	400 degr. C	900 degr. C	9248 014 20577
7748 S	EHJ	A1/223		250W	24V	G6.35	9400 lm	3400K	50h	S90	400 degr. C	900 degr. C	9238 753 20500
7748 XHP	EHJ	A1/223		250W	24V	G6.35	10000 lm	3400K	50h	S90	400 degr. C	900 degr. C	9240 065 20500
13700	FNT			275W	24V	G6.35	10000 lm	3400K	75h	S90	400 degr. C	900 degr. C	9238 998 20500

Type	Lamp wattage	Lamp voltage	Cap/base	Lumen output	Colour temperature	Lamp life	Burning position	Max. permissible pinch temp.	Max. permissible bulb temp.	Ordering number
12429	50W	22.8V	G6.35	1150 lm	3000K	750h	ANY	350 degr. C	900 degr. C	9239 430 28300
13701	120W	24V	G6.35	2825 lm	3100K	700h	ANY	350 degr. C	900 degr. C	9240 319 28300
14545P	120W	24V	A26/14	3300 lm	3200K	300h	ANY	350 degr. C	900 degr. C	9240 428 20500

Type	ANSI code	LIF code	J code	Cap/ base	Lamp voltage	Lamp wattage	Colour temperature	Burning position	Lumen output	Lamp life	Max. permissible pinch temp.	Max. permissible bulb temp.	Ordering number
-	-	-	JCD 100-100	G6.35	100	100	3050	S10	2100	100	400 degr. C	900 degr. C	9247 969 30900
-	EKL	-	-	GY9.5	21	150	3350	S90	4650	40	400 degr. C	900 degr. C	9248 020 19800
-	ESY	-	JCD 100-150M	G6.35	100	150	3050	S10	3300	200	400 degr. C	900 degr. C	9247 948 30900
-	GCA	-	-	G5.3	120	250	3200	S90	7000	50	400 degr. C	900 degr. C	9248 083 36300
-	-	-	JCD 100-300T	G6.35	100	300	3100	S90	6900	300	400 degr. C	900 degr. C	9248 099 30900
13288	-	-	-	GX5.3	13.8	85	3150	S105	-	1000	350 degr. C	900 degr. C	9239 316 18200
-	-	-	JCR 12V 100W H10	GZ6.35	12	100	3100	S90	-	1000	350 degr. C	900 degr. C	9248 120 17100

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