SYLVANIA

Photo Optic

Catalogue 2010/11

SYLVANIA


SYLVANIA
BA 575
SYLVANIA
MADE IN BEL

CONTENTS

HAVELLS SYLVANIA

Havells Sylvania is a leading full-spectrum provider of lighting solutions building on a century of expertise in lamps and fixtures. All over the world, people rely on powerful brands like Concord®, Lumiance® and Sylvania®* for top quality, energy-efficient solutions to their individual lighting needs.

Formed in April 2007, Havells Sylvania is owned by Havells India Ltd. Havells is one of the largest and fastest growing manufacturers of electrical components and systems in India. With 94 branches and representative offices and 8,000 professionals in more than 50 countries, the group has grown rapidly to a 1 billion US$ company.

At 15 manufacturing plants in India, Europe, Latin America & Africa, the group produces globally acclaimed products such as switchgear, cables, wires, fixtures and lamps.

* In Australia, Canada, Mexico, New Zealand, Puerto Rico and the USA the brand name is with different owners.

SYLVANIA Lamps

Havells Sylvania is one of the world's largest producers of light sources and manufactures a wide range of lamps: incandescent, halogen, low-energy, fluorescent, LED and a comprehensive range of HID lamps and other specialist lighting products for the professional specifier and user.

Sylvania lamps are distributed from stock, via our national sales organisations around the world, to original equipment manufacturers and retail outlets and through professional wholesale distribution to installers and end users.

ERLANGEN (GERMANY)

NEEMRANA (INDIA)

TIENEN (BELGIUM)

Factories

Sylvania has created Competency Centres for its major lamp product groups – bringing specific design, marketing and production engineering skills, for each key lamp group, together in one place: to co-ordinate and focus the years of experience this brings to new product development; and to bring products into the marketplace efficiently and effectively.

- **Erlangen** (Germany): produces fluorescent lamps of all types.
- **Neemrana** (India): produces innovative, energy-saving compact fluorescent lamps.
- **Tienen** (Belgium): specialises in low voltage and mains voltage halogen lamps, HID lamps, incandescent lamps and LEDs.


SYLVANIA
BA 575
SYLVANIA
MADE IN BELGIUM
BA 575/2
SE NHR 0.5
SYLVANIA
MADE IN BELGIUM
BA 575 SE HR

BRITEARC Single Ended Non Hot Restrike

BriteArc Single Ended Non Hot Restrike lamps are compact light sources with excellent performance, specially designed for a wide variety of audio-visual applications. The BriteArc lamps are filled with mercury and rare earth elements to obtain a high efficacy and a stable colour with a very good rendering index. They can be re-struck after 10 minutes. These lamps can be operated in any position.

BA 575 SE NHR

BA 1200 SE NHR

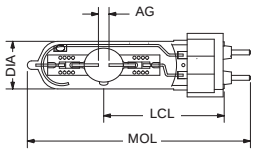


Fig. 1

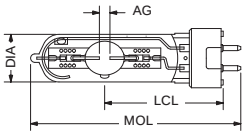
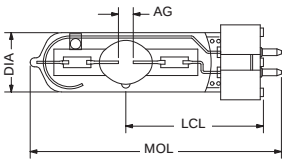


Fig. 2



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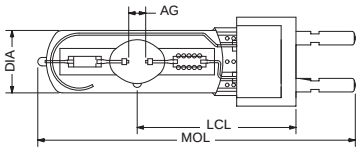


Fig. 4

FEATURES

- High luminous efficacy
- Low infrared
- Colour stability
- Excellent lumen maintenance
- Physical ruggedness

APPLICATIONS

- Show lighting
- Theatre
- Discotheque lighting
- Follow spots
- Effect lighting
- Architectural

DIRECTIONS FOR USE

- Burning position: universal
- Restrike after 10 minutes
- Only use in closed fixtures
- Can be operated on an electronic power supply or on a magnetic ballast

Item description	Watt	Voltage	Current	Ignition Pulse	Average Life	Replacement Time	Luminous Flux	Colour Temp.	CRI	Total UV-output
	W	V	A	kV	hrs	hrs	lm	K		W
BA SE NHR										
BA 150 SE NHR	150	95	1.80	1.9	1000	1500	12400	5600	90	15
BA 400 SE NHR	400	67	6.90	2.2	650	750	33000	6200	92	40
BA 575 SE NHR	575	95	6.95	2.2	750	1000	49000	5600	90	60
BA 1200 SE NHR	1200	100	13.80	2.5	750	1000	110000	6000	95	100
BA SE D (Long Life)										
BA 70 SE T	70	108	0,98	3.5	8000	10000	5500	6000	80	UV-STOP
BA 150 SE T	150	95	1.80	3.0	7000	9000	10000	6000	90	UV-STOP
BA 200 SE D	200	70	3.30	1.9	3000	3500	14000	5600	70	15
BA 250 SE D	250	95	3.00	1.9	3000	3500	18800	5800	80	18
BA 575 SE D	575	95	6.95	2.2	2000	2500	49000	5600	90	60

Item description	Cap	Dimensions				Max. bulb Temp.	Max. pinch Temp.	Figure Nr.	Packing Quantity	Ordering Code
		MOL	AG	Dia	LCL					
		mm	mm	mm	mm	C°	C°			
BA SE NHR										
BA 150 SE NHR	GY9.5	80	5	17	37	700	350	2	10	0023987
BA 400 SE NHR	GX9.5	112	6	23	62	700	350	3	10	0023958
BA 575 SE NHR	GX9.5	125	7	30	65	700	350	3	10	0023960
BA 1200 SE NHR	G22	175	10	40	85	700	350	4	10	0023935
BA SE D (Long Life)										
BA 70 SE T	G12	108	9	20	56	500	350	1	10	0023982
BA 150 SE T	G12	108	11	23	56	500	350	1	10	0023978
BA 200 SE D	GY9.5	108	5	23	55	500	350	2	10	7220168
BA 250 SE D	GY9.5	108	5	23	55	500	350	2	10	7220169
BA 575 SE D	GX9.5	125	7	30	65	600	350	3	10	0023981

Nominal values measured at rated wattage in horizontal position.

BRITEARC Single Ended High Colour Temperature (BA/2 SE)

BriteArc Single Ended/2 lamps are compact light sources with a very high colour temperature offering stable crisp bright light during the complete lamp life.They can be re-struck after about 10 minutes. These lamps can be operated in any position.

BA 250/2 SE D 8.5

BA 575/2 SE NHR 8.5

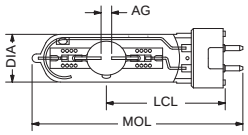


Fig. 1

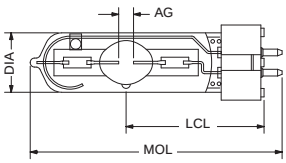
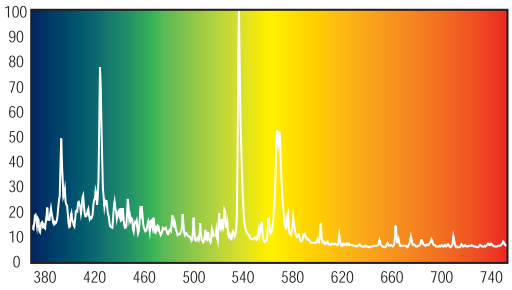


Fig. 2



BA/2 8500 K

FEATURES

- Crisp bright light
- High luminous efficacy
- Low infrared
- Colour stability
- Excellent lumen maintenance
- Physical ruggedness

APPLICATIONS

- Show lighting
- Theatre
- Discotheque lighting
- Effect lighting

DIRECTIONS FOR USE

- Burning position: universal
- Restrike after 10 minutes
- Only use in closed fixtures
- Can be operated on an electronic power supply or on a magnetic ballast

Item description	Watt	Voltage	Current	Ignition Pulse	Average Life	Replacement Time	Luminous Flux	Colour Temp.	CRI	Total UV-output
	W	V	A	kV	hrs	hrs	lm	K		W
BA 250/2 SE D 8.5	250	95	3.00	1.9	3000	3500	18000	8500	65	30
BA 575/2 SE NHR 7.2	575	95	6.95	2.2	1000	1200	45000	7200	85	65
BA 575/2 SE NHR 8.5	575	95	6.95	2.2	1000	1200	44000	8500	80	65

Item description	Cap	Dimensions				Max. bulb Temp.	Max. pinch Temp.	Figure Nr.	Packing Quantity	Ordering Code
		MOL mm	AG mm	Dia mm	LCL mm	C°	C°			
BA 250/2 SE D 8.5	GY9.5	108	5	23	55	500	350	1	10	0023998
BA 575/2 SE NHR 7.2	GX9.5	125	7	30	65	700	350	2	10	0024002
BA 575/2 SE NHR 8.5	GX9.5	125	7	30	65	700	350	2	10	0024000

Nominal values measured at rated wattage in horizontal position.

BRITEARC Single Ended Hot Restrike (BA SE HR)

BriteArc Single Ended Hot Restrike lamps are compact light sources, designed for optimum optical efficiency. The BriteArc lamps are filled with mercury and rare earth elements to obtain a high efficacy and a stable colour with a very good rendering index. They can be re-struck at any time with a voltage peak from 25 to 55 kV. These lamps can be operated in any position.


BA 200 SE HR


BA 575 SE HR


BA 1200 SE HR

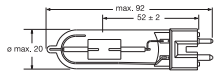


Fig. 1

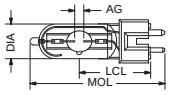


Fig. 2

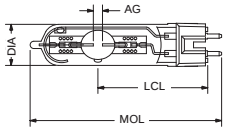


Fig. 3

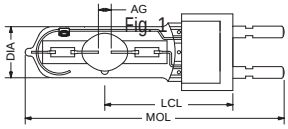
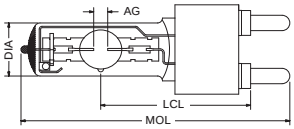


Fig. 4



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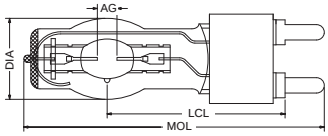


Fig. 6

FEATURES

- High luminous efficacy
- Low infrared
- Colour stability
- Excellent lumen maintenance
- Physical ruggedness
- Hot restrike

APPLICATIONS

- TV-Studio lighting
- Photo studios
- Show lighting
- Theatre
- Follow spots

DIRECTIONS FOR USE

- Burning position: universal
- Only use in closed fixtures
- Can be operated on an electronic power supply or on a magnetic ballast

Frosted top

Item description	Watt	Voltage	Current	Ignition Pulse	Average Life	Replacement Time	Luminous Flux	Colour Temp.	CRI	Total UV-output
	W	V	A	kV	hrs	hrs	lm	K		W
BA 200 SE HR LCL 3200K	200	70	2.7	25.0	1000	1500	19000	3200	88	(*)
BA 200 SE HR LCL 5600K	200	70	3.3	25.0	200	450	15000	5600	95	(*)
BA 200 SE HR	200	70	3.3	25.0	200	450	15000	5600	95	(*)
BA 400 SE HR	400	67	6.9	25.0	650	750	33000	6200	92	40
BA 575 SE HR	575	95	6.9	25.0	750	1000	49000	5600	90	50
BA 400/575 SE HR DIM 3200K	575	67	6.9-8	25.0	650	750	40000	3200	90	50
BA 800 SE HR	800	95	8.5	25.0	1000	1500	64000	6000	95	(*)
BA 1200 SE HR	1200	100	13.8	45.0	750	1000	110000	6000	95	100
BA 1600 SE HR	1600	110	16.7	45,0	500	750	145000	5600	95	110
BA 2500 SE HR	2500	115	25.6	45.0	500	750	240000	6000	95	200
BA 4000 SE HR	4000	200	24.0	50.0	500	750	380000	6300	95	150

Item description	Cap	Dimensions				Max. bulb Temp.	Max. pinch Temp.	Figure Nr.	Packing Quantity	Ordering Code
		MOL mm	AG mm	Dia mm	LCL mm	C°	C°			
BA 200 SE HR LCL 3200K	GZY9.5	92	-	20	52	700	350	1	10	0023940
BA 200 SE HR LCL 5600K	GZY9.5	90	5	20	52	700	350	1	10	0023944
BA 200 SE HR	GZY9.5	80	5	20	39	700	350	2	10	0023941
BA 400 SE HR	GZZ9.5	110	6	23	60	700	350	3	10	0023883
BA 575 SE HR	G22	145	7	30	70	700	350	4	10	0023932
BA 400/575 SE HR DIM 3200K	GZZ9.5	100	4	30	60	900	350	-	10	0023892
BA 800 SE HR	G22	145	7	31	70	700	350	4	10	0023992
BA 1200 SE HR	G38	200	10	40	107	700	350	5	10	0023933
BA 1600 SE HR	G38	200	10	40	107	700	350	5	1	0023893
BA 2500 SE HR	G38	240	14	60	127	700	450	6	1	0023934
BA 4000 SE HR	G38	250	20	75	142	700	450	6	1	0023937

(*) UV stop Lamps
Nominal values measured at rated wattage in horizontal position.

BRITEARC Double Ended (BA DE)

BriteArc Double Ended lamps are metal halide light sources with excellent performance, specially designed for a wide variety of audio-visual applications. The BriteArc lamps are filled with mercury and rare earth elements to obtain a high efficacy and a stable colour. They can be re-struck at any time with a voltage peak from 25 to 55 kV.

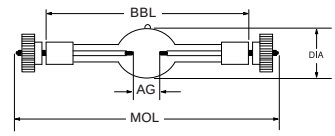


Fig. 1

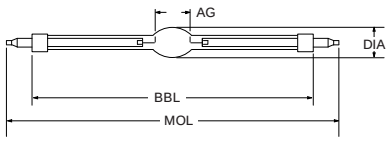


Fig. 2

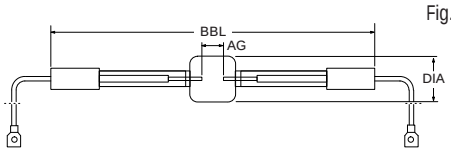


Fig. 3

FEATURES

- High luminous efficacy
- Low infrared
- Colour stability
- Excellent lumen maintenance
- Physical ruggedness
- Hot restrike
- BA 1200 DE S 7.2 and 700 DE S: excellent electrical contact with **GOLD** plated caps

APPLICATIONS

- Show lighting
- Theatre
- Discotheque lighting
- Follow spots
- Effect lighting
- Studio lighting
- Architectural lighting

DIRECTIONS FOR USE

- Burning position: universal for 575W, 700W and 1200W; horizontal plus or minus 30 degrees for BA 2500 DE, BA 2500 DE S; horizontal plus or minus 15 degrees for BA 2500 DE A, 4000W, 6000W and 12000W
- Only use in closed fixtures
- Can be operated on an electronic power supply or on a magnetic ballast

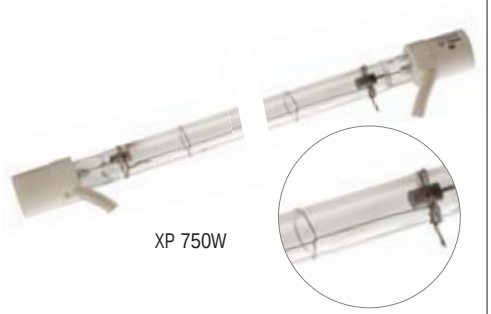
Item description	Watt	Voltage	Current	Ignition Pulse	Average Life	Replacement Time	Luminous Flux	Colour Temp.	CRI	Total UV-output
	W	V	A	kV	hrs	hrs	lm	K		W
BA 575 DE	575	95	7	25,0	750	1000	49000	5600	70	70
BA 575/2 DE	575	95	7	25,0	750	1000	44000	8000	70	100
BA 700/2 DE S 7.5 GOLD***	700	70	11.2	25,0	1000	1250	56000	7500	70	100
BA 700/3 DE S 3200K GOLD***	700	70	11.2	25,0	750	1000	60000	3200	92	100
BA 1200 DE	1200	100	13.8	45,0	750	1000	110000	5600	80	140
BA 1200 DE S 6.0	1200	105	13.8	25,0	750	1000	110000	6000	90	130
BA 1200/2 DE S 7.2 GOLD	1200	100	13.8	25,0	750	1000	95000	7200	77	160
BA 2500 DE	2500	115	26.6	45,0	500	750	240000	5600	90	310
BA 2500 DE S	2500	115	26.6	45,0	500	750	240000	5600	90	310
BA 2500 DE A	2500	120	21.7	45,0	2000	2400	250000	5600	90	150
BA 4000 DE	4000	200	24.0	65,0	500	750	380000	6000	85	640
BA 6000 DE	6000	123	55.0	50,0	350	450	570000	6000	90	1000
BA 12000 DE	12000	160	82.0	65,0	500	550	1100000	6000	90	2200

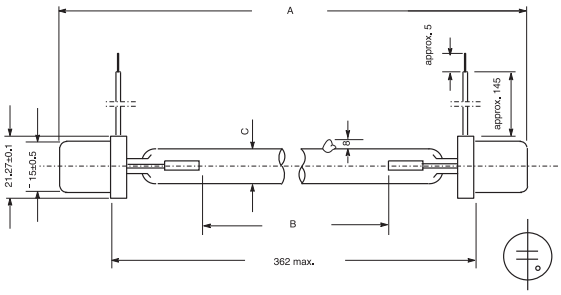
Item description	Cap	Dimensions				Max. bulb Temp.	Max. pinch Temp.	Figure Nr.	Packing Quantity	Ordering Code
		MOL mm	AG mm	Dia mm	BBL mm	°C	°C			
BA 575 DE	SFc10-4	136	7	21	115	800	230	1	10	0023921
BA 575/2 DE	SFc10-4	138	7	21	115	800	230	1	10	0023917
BA 700/2 DE S 7.5 GOLD***	SFc10-4*	136	4	18	115	1000	500 **ETP****	1	10	0023994
BA 700/3 DE S 3200K GOLD***	SFc10-4*	136	4	18	115	1000	500 **ETP****	1	10	0023993
BA 1200 DE	SFc15.5-6	220	10	28	180	800	230	1	10	0023922
BA 1200 DE S 6.0	SFc10-4*	138	7	22,5	115	800	450	1	10	0023995
BA 1200/2 DE S 7.2 GOLD	SFc10-4*	136	7	21	115	800	500 **ETP****	1	10	0023996
BA 2500 DE	SFa21-12	355	20.5	32	290	800	230	2	1	0023923
BA 2500 DE S	SFa21-12	210	20.5	32	-	800	230	2	1	0023918
BA 2500 DE A	SFc	364	25	36,5	182	800	230	2	1	0023911
BA 4000 DE	SFa21-12	405	34	40	340	800	230	2	1	0023924
BA 6000 DE	S25.5X60	-	22	52	450	900	230	3	1	0023925
BA 12000 DE	S30X70	-	32	65	470	900	230	3	1	0023927

***** Pre-focussed base. Nominal values measured at rated wattage in horizontal position.
****** Extreme Temperature Protection. Maximum allowed pinch temperature 500 °C.
******* Optional : Golden nuts for BA 700W DE S **GOLD** - item 0024001

PULSED XENON

Instant ignition lamps creating a strobe effect.





FEATURES

- Near continuous spectrum ranging from 200-1000nm
- Colour temperature: 5400K. Xenon spectrum, similar to daylight
- Instant ignition, no warming up time
- Can be dimmed

APPLICATIONS

- Strobe lights in discos

DIRECTIONS FOR USE

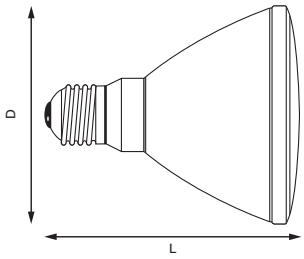
- Operate on a semi resonant ballast
- Ignitor providing a starting pulse of 10kV required
- Forced –air cooling needed
- Due to the high starting voltage, use only insulated lampholders
- The UV radiation must be cut out with a filter glass

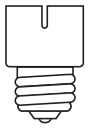
Item description	Watt W	Lamp current A	Cap	Rated Av. Life h	Max.Pinch Temp. C°	Max.Bulb Temp. C°	Dimensions (mm) A	B	C ∅	Packing Quantity	Ordering Code
XP 750W	750	12.3	Cable 15.8/14.7	500	350	650	244	158	12	10	0060900
XP 1500W	1500	10.7	Cable 15.8/14.7	500	350	650	398	312	12	10	9023475
XP 2500W	2500	16.0	Cable 15.8/14.7	500	350	650	543	457	12	10	9023401
XP 3000W	3000	18.0	Cable 15.8/14.7	500	350	650	691	615	12	10	0060901

MERCURY PAR 38

Mercury PAR lamps present a high efficiency source of actinic radiation, and satisfy a number of special applications which take advantage of their strong ultra-violet output. They are especially popular when used with a Wood's glass filter for Blacklight effects. The distinctive blue-green colour of unfiltered lamps is well suited to the floodlighting of trees and shrubs, as well as countless special scientific and reprographic applications.

H44GS-100





E29
AdMedium Skirted

E26
Medium Skirted

FEATURES

- High efficiency source of UV-A radiation, with spectral lines peaking at 334.1nm and 365.0nm
- Distinctive blue-green coloured light with visible lines at 404.7nm, 435.8nm, 546.1nm and 578.0nm
- Borosilicate glass envelope filters out dangerous shorter wavelength UV rays
- 8° Narrow Spot is capable of projecting a very high intensity beam over long distances
- Black sprayed reflector to prevent light escape from rear
- Available with Admedium (E29) or Medium (E26) screw base

APPLICATIONS

- Blacklight effects in entertainment lighting, when used with Wood's glass filter
- Detection of cracks and other defects in metal and glass surfaces
- Photo-exposure lamp in reprographic applications
- Medical examination, especially in dermatology
- Exterior floodlighting of trees and bushes
- Stimulation of photo-chemical reactions
- Detection of forgeries, fluorescent inks etc

DIRECTIONS FOR USE

- Universal burning position
- When burned horizontally, lumen value will drop 5-10%
- Operate only in suitable fixture with compatible ballast (USA type H44 or H38)
- Never expose operating lamp to moisture (rain, snow etc)
- Lamp must not be used if the outer envelope is broken or punctured
- Owing to the strong UV output, avoid prolonged exposure of persons
- Warming up time is 15 minutes

Item description	ANSI	Watt W	Hot Restrike Time min	Average Life hrs	Beam Angle	Centerbeam Candlepower cd	Colour Temp. K	CRI
H44 GS-100 SP	H44	100	3 to 9	16000	Spot 8°	16000	5900	20
H44 GS-100/MDSK SP	H44	100	3 to 9	16000	Spot 8°	16000	5900	20

Item description	Cap	Dimensions MOL mm	 Dia mm	Max. bulb Temp. C°	Max. pinch Temp. C°	Packing Quantity	Ordering Code
H44 GS-100 SP	E29 AdMedium Skirted	131	121	400	190	12	9020467
H44 GS-100/MDSK SP	E26 Medium Skirted	131	121	400	190	12	9020664

BLACKLIGHT MERCURY LAMPS

Thanks to a special bulb made from nickel-doped Wood's Glass, these mercury lamps represent a powerful source of blacklight at 365nm. The dark coloured envelope filters out virtually all visible light and dangerous short-wave UV rays, while allowing the deep violet and near UV-A to escape. This produces brilliant fluorescence effects with many materials. The compact source allows a powerful beam to be projected with the use of a polished aluminium reflector.

HSW 125W

HSW 400W

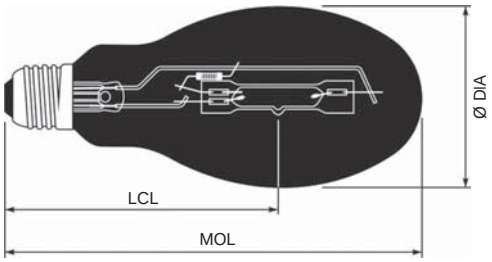
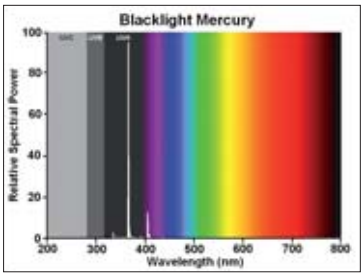


Fig. 1



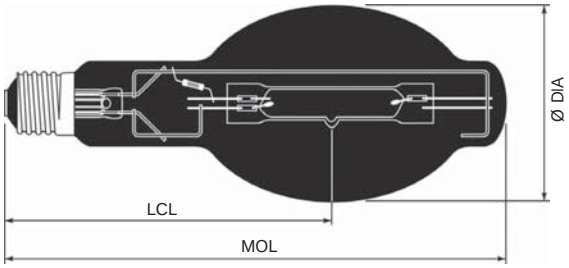


Fig. 2

FEATURES

- Outer bulb in Wood's Glass
- Powerful, compact source of UV-A
- 15% UV depreciation per thousand hours
- Operates on conventional mercury ballast
- 160W version requires no ballast

APPLICATIONS

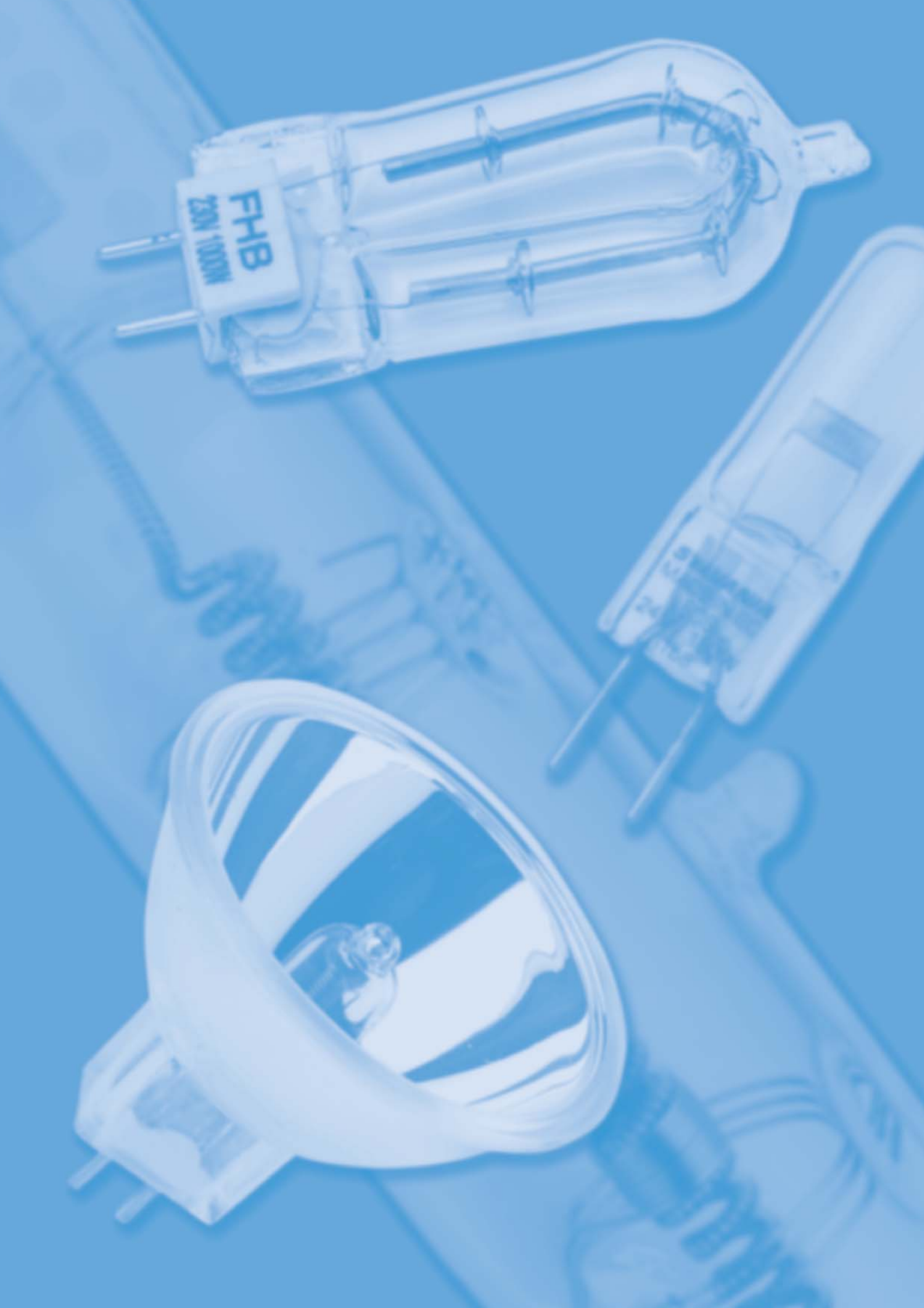
- Effect lighting
- Theatrical and stage lighting
- Leak and crack detection
- Advertisements and sign boards
- Geological investigation of stones and rocks
- Textile and Food Industries

DIRECTIONS FOR USE

- Burning position for 125, 250 and 400W: universal
- Burning position for 160W: Vertical ± 30°
- 160W is a self ballasted lamp

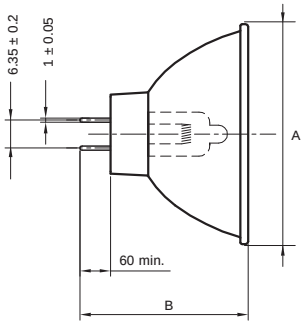
Item description	Watt W	Voltage V	Current A	UV-A@lm mW/m²	Average Life hrs	Circuit	Cap	Bulb
HSW 125	125	125	1,15	400	2000	External ballast	E27	ED75
HSW 250	250	130	2,13	700	2000	External ballast	E27	BT90
HSW 400	400	135	3,25	1200	2000	External ballast	E40	BT120
HSBW 160	160	230/240	0,8	150	2000	Self-ballasted	E27	ED75

Item description	MOL mm	LCL mm	Max Diam mm	Max Bulb Temp °C	Max Base Temp °C	Figure Nr.	Packing Quantity	Ordering Code
HSW 125	178	115	76	400	210	1	10	**0023970**
HSW 250	228	145	91	400	250	2	10	**0023971**
HSW 400	292	178	122	400	250	2	10	**0023972**
HSBW 160	178	105	76	400	210	1	10	**0023973**


FHB
230V 1000W

DICHROIC REFLECTOR 50 mm (MR 16) GZ6.35

EFP 12V 100W



FEATURES

- Compact filament
- Highly efficient reflector/lamp combination
- Dichroic reflector, which radiates 75% of heat rearwards

APPLICATIONS

- Film projectors
- Fiber optics
- Enlargers
- Overhead projectors
- Slide projectors

DIRECTIONS FOR USE

- No dimming lower than 10% of rated voltage

Item description	ANSI	LIF	Base	Voltage	Watt	Dimensions		Working distance	Colour Temp.	Rated Av. Life
						A	B			
				V	W	mm	mm	mm	K	h
EFM 8V 50W	EFM	A1/229	GZ6.35	8	50	50	42	32	3400	50
EFN 12V 75W	EFN	A1/230	GZ6.35	12	75	50	42	32	3400	50
EFP 12V 100W	EFP	A1/231	GZ6.35	12	100	50	42	32	3400	50
EFR 15V 150W	EFR	A1/232	GZ6.35	15	150	50	42	32	3400	50

Item description	Reflector Surface	Burning Position	Max. perm. pinch temp. C°	Max. perm. bulb temp. C°	Light Output lm	Packing Quantity	Ordering Code
EFM 8V 50W	Smooth	S105	400	900	380	50	0061341
EFN 12V 75W	Smooth	S105	400	900	550	50	0061342
EFP 12V 100W	Smooth	S105	400	900	650	50	0061344
EFR 15V 150W	Smooth	S105	400	900	800	50	0061350

DICHROIC REFLECTOR 42/50 mm (MR 13/MR 16) GX5.3

EKE 21V 150W

ELC 24V 250W

EXR 82V 300W

FEATURES

- Compact filament
- Perfect alignment of the burner
- Highly efficient reflector/lamp combination
- Dichroic reflector, which radiates 75% of the heat backwards
- Long life versions for disco lighting
- Excellent lumen maintenance over life

APPLICATIONS

- Discos and clubs – long life types
- Medical equipment
- Microfilm readers
- Fibre optic applications
- Enlargers
- Overhead projectors
- Slide projectors

DIRECTIONS FOR USE

- No dimming by more than 10% of their rated voltage. This will reduce life considerably
- Forced cooling necessary

Item description	ANSI	LIF	Base	Voltage	Watt	Dimensions		Filament Type	Working distance	Colour Temp.	Rated Av. Life
						A	B				
				V	W	mm	mm		mm	K	h
ENL 12V 50W	ENL	M/109	GX5.3	12	50	50.7	44.5	C-8	40	3000	4000
DED 13.8V 85W	DED	F/109	GX5.3	13.8	85	50.7	44.5	C-8	165	3150	1000
DDM 19V 80W	DDM	-	GX5.3	19	80	50.7	44.5	CC-6	152.4	3350	50
EPV 14,5V 90W	EPV	F/111	GX5.3	14,5	90	50.7	44.5	CC-6	155	3150	500
EPX 14,5V 90W	EPX	F/110	GX5.3	14,5	90	50.7	44.5	CC-6	165	3150	500
DDL 20V 150W	DDL	F/114	GX5.3	20	150	50.7	44.5	CC-6	194.5	3150	500
EJM 21V 150W	EJM	-	GX5.3	21	150	50.7	44.5	CC-6	38.1	3400	40
EJV 21V 150W	EJV	-	GX5.3	21	150	50.7	44.5	CC-6	44.5	3400	40
ELD 21V 150W	ELD	F/112	GX5.3	21	150	50.7	44.5	CC-6	165	3400	40
EKE 21V 150W	EKE	-	GX5.3	21	150	50.7	44.5	CC-6	44.5	3250	200
EJA 21V 150W	EJA	-	GX5.3	21	150	50.7	44.5	CC-6	28.0	3400	40
EWF 24V 200W	EWF	-	GX5.3	24	200	50.7	44.5	CC-8	298.5	3350	50
ELC 24V 250W 50H	ELC	A1/259	GX5.3	24	250	50.7	44.5	CC-6	31.7	3400	50
ELC 24V 250W 500H	ELC/5H	-	GX5.3	24	250	50.7	44.5	CC-6	31.7	3300	500
ELC 24V 250W 1000H	ELC/10H	-	GX5.3	24	250	50.7	44.5	CC-6	31.7	3300	1000
ERV 36V 340W	ERV	-	GX5.3	36	340	50.7	44.5	CC-8	300	3300	75
EXR 82V 300W	EXR	-	GX5.3	82	300	42	44.5	CC-8	152.4	3350	35
FHS 82V 300W	FHS	-	GX5.3	82	300	42	44.5	CC-8	152.4	3300	70

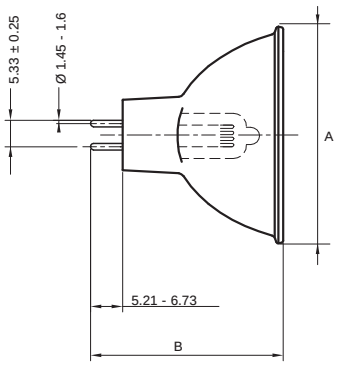


Fig. 1

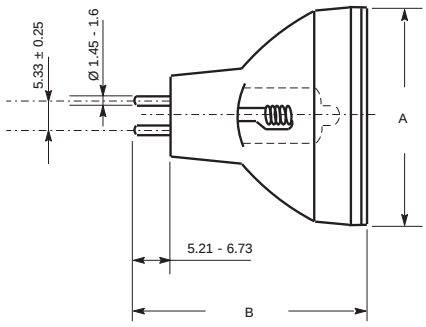
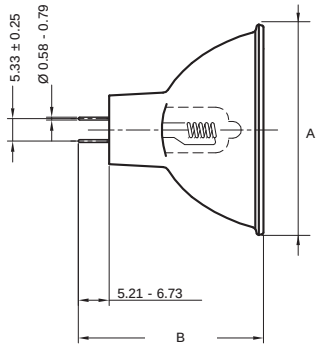


Fig. 2

Item description	Reflector Surface	Burning Position	Max. perm. pinch temp. C°	Max. perm. bulb temp. C°	Min. centre intensity lux	Corner centre ratio %	Figure Nr.	Packing Quantity	Ordering Code
ENL 12V 50W	Faceted	ANY	350	900	-	-	1	10	0061738
DED 13.8V 85W	Faceted	S105	350	900	1000	50	1	10	9060967
DDM 19V 80W	Faceted	S90	350	900	680	15	1	10	9060954
EPV 14,5V 90W	Smooth	S105	350	900	-	-	1	10	9061016
EPX 14,5V 90W	Faceted	S105	350	900	-	-	1	10	9060953
DDL 20V 150W	Faceted	S105	350	900	400	90	1	10	9060984
EJM 21V 150W	Smooth	S90	400	900	1200	50	1	10	9061181
EJV 21V 150W	Smooth	S90	400	900	1500	40	1	10	9060833
ELD 21V 150W	Stippled	S90	400	900	320	30	1	10	9060957
EKE 21V 150W	Smooth	S90	400	900	750	40	1	10	9060943
EJA 21V 150W	Smooth	S90	400	900	1200	50	1	10	9060921
EWF 24V 200W	Faceted	S90	400	900	800	32	1	10	9060890
ELC 24V 250W 50H	Faceted	S90	400	900	1200	50	1	10	0061740
ELC 24V 250W 500H	Smooth	S90	350	900	960	50	1	10	0061741
ELC 24V 250W 1000H	Smooth	S90	350	900	640	50	1	10	0061743
ERV 36V 340W	Faceted	S90	350	900	1050	27	1	10	9060812
EXR 82V 300W	Faceted	S90	400	900	1100	46	2	10	9061039
FHS 82V 300W	Faceted	S90	400	900	1000	46	2	10	9060850

DICHROIC REFLECTOR 50 mm (MR 16) GY5.3

ENH 120V 250W



FEATURES

- Compact filament
- Perfect alignment of the burner
- Highly efficient reflector/lamp combination
- Dichroic reflector, which radiates 75% of the heat backwards

APPLICATIONS

- Microfilm readers
- Medical equipment
- Fiber optic applications
- Enlargers
- Overhead projectors
- Slide projectors

DIRECTIONS FOR USE

- No dimming by more than 10% of their rated voltage. This will reduce life considerably
- Forced cooling necessary

Item description	ANSI	LIF	Base	Voltage	Watt	Dimensions		Filament Type	Working distance	Colour Temp.	Rated Av. Life
						A	B				
				V	W	mm	mm		mm	K	h
EVW 82V 250W	EVW	-	GY5.3	82	250	50.7	44.5	CC-8	298.5	3300	50
ENX 82V 360W	ENX	-	GY5.3	82	360	50.7	44.5	CC-8	298.5	3300	75
FXL 82V 410W	FXL	-	GY5.3	82	410	50.7	44.5	CC-8	298.5	3300	50
JCR 100V 300W	-	-	GY5.3	100	300	50.7	44.5	CC-8	298.5	3200	50
ESD 120V 150W	ESD	-	GY5.3	120	150	50.7	44.5	CC-8	44.5	3350	12
ENH 120V 250W	ENH	-	GY5.3	120	250	50.7	44.5	CC-8	152.4	3250	175
ELH 120V 300W	ELH	-	GY5.3	120	300	50.7	44.5	CC-8	152.4	3350	35

Item description	Reflector Surface	Burning Position	Max. perm. pinch temp. C°	Max. perm. bulb temp. C°	Min. centre intensity lux	Corner centre ratio %	Packing Quantity	Ordering Code
EVW 82V 250W	Faceted	S90	400	900	1250	40	10	9000017
ENX 82V 360W	Faceted	S90	400	900	4300	25	10	9060846
FXL 82V 410W	Faceted	S90	400	900	4700	34	10	9061768
JCR 100V 300W	Faceted	S90	400	900	5000	20	10	9061063
ESD 120V 150W	Stippled	S90	400	900	350	20	10	9061358
ENH 120V 250W	Faceted	S90	400	900	800	40	10	9060940
ELH 120V 300W	Faceted	S90	400	900	850	45	10	9060813

DICHROIC REFLECTOR 35/44/57 mm (MR 11/MR 14/MR 18)

DNF 21V 150W

EMM 24V 250W

FLT 13.8V 25W

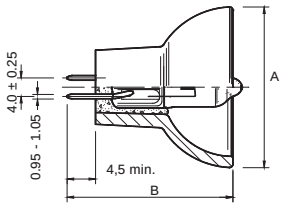


Fig. 1

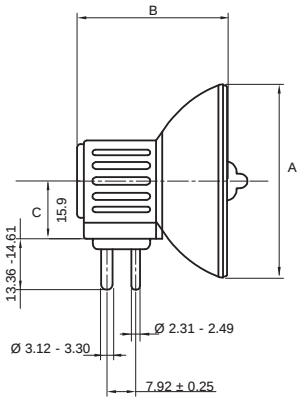


Fig. 2

FEATURES

- Compact filament
- Perfect alignment of the burner
- Highly efficient reflector/lamp combination
- Dichroic reflector, which radiates 75% of the heat backwards

APPLICATIONS

- Film projectors
- Microfilm readers
- Medical equipment
- Enlargers
- Overhead projectors
- Slide projectors

DIRECTIONS FOR USE

- No dimming by more than 10% of their rated voltage. This will reduce life considerably
- Forced cooling necessary

Item description	ANSI	LIF	Base	Voltage	Watt	Dimensions			Filament Type	Working distance	Colour Temp.	Rated Av. Life
						A	B	C				
				V	W	mm	mm	mm		mm	K	h
DNF 21V 150W	DNF	A1/266	GX7.9	21	150	57.2	45.1	15.9	CC-6	69.1	3400	25
EMM/EKS 24V 250W	EMM/EKS	A1/258	GX7.9	24	250	44.5	47.5	15.9	CC-6	65.8	3400	50
FLT 13.8V 25W/S	FLT	F/101	GZ4	13.8	25	35.3	35	-	CC-6	81.5	3100	400

Item description	Reflector Surface	Burning Position	Max. perm. pinch temp. C°	Max. perm. bulb temp. C°	Min. centre intensity lux	Corner centre ratio %	Figure Nr.	Packing Quantity	Ordering Code
DNF 21V 150W	Smooth	p4	400	900	2100	50	2	10	9060743
EMM/EKS 24V 250W	Smooth	p4	400	900	750	55	2	10	9060918
FLT 13.8V 25W/S	Faceted	S105	350	900	1300	700	1	10	9060877

CAPSULE LAMPS Low Voltage

FCS 24V 150W G6.35

FCR 12V 100W

FDS 24V 150W

FEATURES

- Low voltage, quartz halogen lamp
- Flat filament
- Constant high light output
- Pre-focused based lamps have a better defined filament position

APPLICATIONS

- Studio lighting
- Film lighting
- Theatre lighting
- Microfilm readers
- Film projectors
- Overhead projectors
- Slide projectors

DIRECTIONS FOR USE

- No dimming by more than 10% of their rated voltage. This will reduce life considerably

Item description	ANSI	LIF	Base	Voltage	Watt	Dimensions			Type	Filament Dimensions	
						A	B	C			
				V	W	mm	mm	mm		W mm	H mm
BRL 12V 50W	BRL	A1/220	G6.35	12	50	11.5	44	30	CF-6	3.3	1.6
EVB/BRJ 15V 150W	EVB/BRJ	A1/234	G6.35	15	150	11.5	44	30	CF-6	5.0	3.0
FCS 24V 150W	FCS	A1/216	G6.35	24	150	13.5	50	32	CF-6	6.1	3.0
EHJ 24V 250W	EHJ	A1/223	G6.35	24	250	13.5	55	33	CF-6	7.1	3.5
FGX 24V 250W	FGX	M33	G6.35	24	250	13.5	55	33	CF-6	10.0	5.0
EWX 24V 250W	EWX	-	G6.35	24	250	11.5	44	29	CC-6	5.6	3.15
FNT 24V 275W	FNT	-	G6.35	24	275	13.5	55	33	CF-6	7.2	3.5
EVD 36V 400W	EVD	A1/239	G6.35	36	400	18.0	60	36	CF-6	9.5	4.7
FCR 12V 100W	FCR	A1/215	GY6.35	12	100	11.0	44	30	CF-6	6.7	4.6
FLW 24V 300W	FLW	-	GY6.35	24	300	11.0	55	33	CF-6	6.7	4.6
JC 24V 300W	-	-	GY6.35	24	300	13.5	55	33	CF-6	6.7	4.6
FDS/FDT 24V 150W	FDS/FDT	A1/262	GZ9.5	24	150	13.5	57	27	CF-6	5.8	2.9
EYB 82V 360W	EYB	-	G5.3	82	360	11.5	57	32	CC-8	7.6	5.1

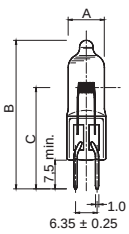


Fig. 1

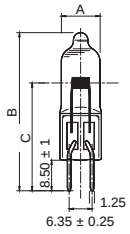


Fig. 2

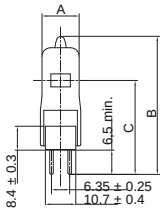


Fig. 3

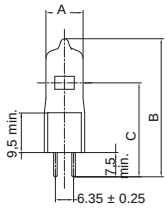


Fig. 4

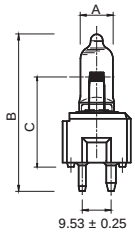


Fig. 5

Item description	Approx. Lumens lm	Colour Temp. K	Rated Av. Life h	Burning Position	Max. pinch temp. C°	Max. bulb temp. C°	Figure Nr.	Packing Quantity	Ordering Code
BRL 12V 50W	1400	3400	50	S90	400	900	1	50	0061300
EVB/BRJ 15V 150W	5000	3400	50	S90	400	900	1	10	0061303
FCS 24V 150W	5000	3400	50	S90	400	900	1	50	0061374
EHJ 24V 250W	10000	3400	50	S90	400	900	1	50	0061367
FGX 24V 250W	8400	3200	300	S90	350	900	1	10	0061465
EWX 24V 250W	8200	3400	50	S90	400	900	1	10	0061494
FNT 24V 275W	10000	3400	75	S90	400	900	1	50	9061150
EVD 36V 400W	16000	3400	50	S90	400	900	1	50	9060826
FCR 12V 100W	3400	3000	50	S90	400	900	2	50	0061373
FLW 24V 300W	10450	3500	50	S90	400	900	3	10	9061142
JC 24V 300W	9900	3400	50	S90	400	900	4	10	9061010
FDS/FDT 24V 150W	5000	3400	50	S90	400	900	5	10	9060924
EYB 82V 360W	11000	3300	75	S90	400	900	5	50	0061495

CAPSULE LAMPS Mains Voltage

JCD 100V 650W

JCP 100V 650W

EPS 240V 500W

FEATURES

- Compact quartz halogen lamp
- Maximum light output, but relatively low life
- Pre-focused based lamps have a better defined filament position

APPLICATIONS

- Overhead projectors
- Slide projectors
- Photo printers

Item description	ANSI	LIF	Base	Voltage	Watt	Dimensions			Type	Filament Dimensions	
						A	B	C			
				V	W	mm	mm	mm		W mm	H mm
ESY 100V 150W	ESY	-	G6.35	100	150	13.5	50	32	CC-6	8.1	2.8
JCD 100V 650W	-	-	G6.35	100	650	22.0	63	36.5	CC-6	14.0	5.3
GKV 240V 600W	GKV	-	G9.5	240	600	18.0	101	60.5	C-13D	13.5	7.5
DYS/DYV 120V 600W	DYS/DYV	A1/264	GY9.5	120	600	22.0	63	36.5	CC-6	15.0	5.2
DYR 240V 650W	DYR	A1/233	GZ9.5	240	650	24.0	64	37	2 CC-8	12.9	11
JCP 100V 650W	-	-	GY9.5	100	650	18.0	76	36.5	C-13D	8.6	8.7
EPS 240V 500W	EPS	A1/268	G17t-7	240	500	19.5	89	41	C-13D	9.0	8.6
A1/244 240V 500W	-	A1/244	GY9.5	240	500	23.0	75	36.5	C-13	9.5	10.7
BRN 120V 1200W	BRN	-	G17t-7	120	1200	23.0	95	39.7	C-13D	10.5	12.5
BTG 120V 1200W	BTG	-	G17t-A24	120	1200	23,0	95	39,7	C-13D	10.5	12.5

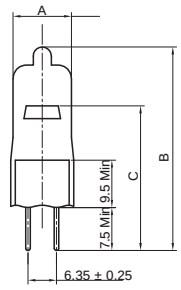


Fig. 1

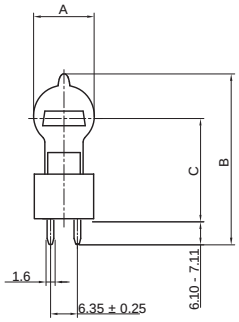


Fig. 2

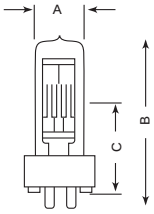


Fig. 3

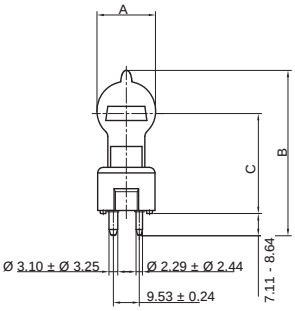


Fig. 4

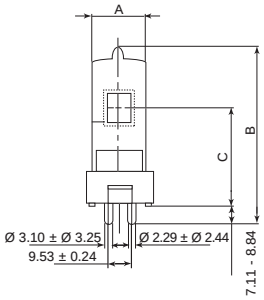


Fig. 5

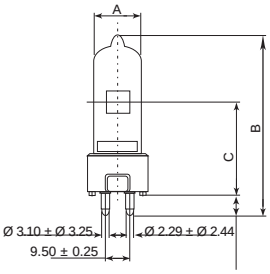


Fig. 6

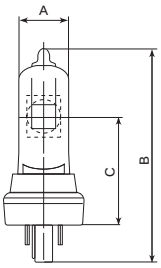


Fig. 7

Item description	Approx. Lumens lm	Colour Temp. K	Rated Av. Life h	Burning Position	Max. pinch temp. C°	Max. bulb temp. C°	Figure Nr.	Packing Quantity	Ordering Code
ESY 100V 150W	3300	3050	200	S10	400	900	1	10	9060962
JCD 100V 650W	17500	3200	150	ANY	400	900	2	10	9061060
GKV 240V 600W	14000	3200	250	ANY	370	900	3	25	0061734
DYS/DYV 120V 600W	17000	3200	75	S90	400	900	4	50	9060779
DYR 240V 650W	16500	3200	50	ANY	370	900	4	50	9060716
JCP 100V 650W	18750	3300	75	ANY	400	900	6	10	9061018
EPS 240V 500W	(1)	3250	50	S90	400	900	7	10	9060927
A1/244 240V 500W	13000	3200	75	ANY	370	900	6	50	9061168
BRN 120V 1200W (1)	-	3350	20	S90	400	900	7	10	9060572
BTG 120V 1200W	38200	3350	20	S90	400	900	7	10	9060934

(1) With internal reflector

STUDIO/FILM Double Ended

Mains voltage double ended halogen lamps mainly used in studio and film.

DXX 240V 800W

FEX 240V 2000W

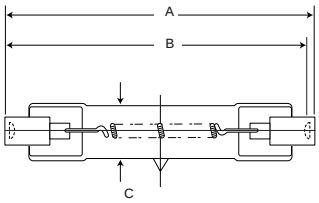


Fig. 1

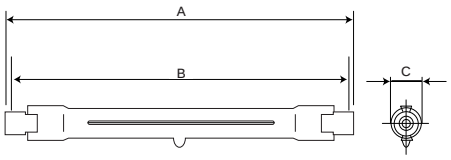


Fig. 2

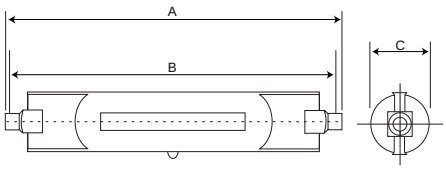


Fig. 3

FEATURES

- High constant light output
- High colour temperature

APPLICATIONS

- Electronic News Gathering (ENG)
- Studio lighting
- Film lighting
- Overhead projectors (FAD type)

Item description	ANSI	LIF	Voltage	Watt	Base	Dimensions			Rated
						A max	B	C	Av. Life
			V	W		mm	mm	mm	h
FAD 118V 650W	FAD	P2/6	118	650	R7s	80.3	74.9	14	100
DXX 240V 800W	DXX	P2/13	240	800	R7s	80.3	74.9	14	75
FDG 230V 1000W	FDG	P1/12	230	1000	R7s	127.1	121.7	12	15
JPD 240V 1000W	-	P2/35	240	1000	R7s	93.8	91.3	18	120
EME 240V 800W	EME	P2/11	230	800	R7s	119.6	114.2	12	150
FEX 240V 2000W	FEX	P2/27	240	2000	RX7s	141.5	138.1	27	300

Item description	Filament Type	Lumen Output Lm	Colour Temp. K	Burning Position	Max. Permissible pinch temp. C°	Figure Nr.	Packing Quantity	Ordering Code
FAD 118V 650W	CC-8	16500	3200	P4	400	1	50	0061371
DXX 240V 800W	CC-8	20000	3200	P15	400	1	50	0061321
FDG 230V 1000W	CC-8	31000	3400	ANY	450	2	10	0061379
JPD 240V 1000W	CC-8	26000	3200	P15	400	1	50	0061327
EME 240V 800W	CC-8	20000	3200	P15	400	2	10	9060822
FEX 240V 2000W	CC-8	50000	3200	ANY	400	3	10	0060884

CC= Coiled Coil • SC= Single Coil

STUDIO/FILM Single Ended

Mains voltage single ended halogen lamps for studio and film lighting applications. Many types feature bi-plane filaments, offering higher performance and replacing the older mono-plane types in parentheses.

CP40-FKJ 240V 1000W

CP70-FVB 240V 1000W

CP82-FRJ 240V 500W

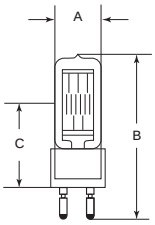


Fig. 1

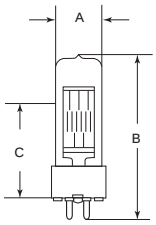


Fig. 2

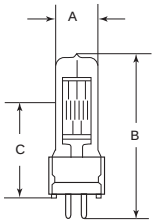


Fig. 3

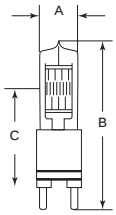


Fig. 4

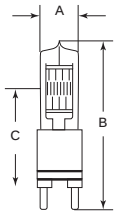


Fig. 5

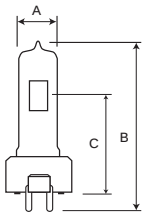


Fig. 6

FEATURES

- High light output from a compact filament source
- Compact square filament design
- Colour temperature: 3200K

APPLICATIONS

- Studio lighting
- Disco lighting
- Film lighting

Item description	ANSI	LIF	Voltage	Watt	Base	Dimensions			Rated
						Diameter	MOL	LCL	Av. Life
			V	W		A (mm)	B (mm)	C (mm)	h
CP/71 FKJ 240V 1000W	(FKJ)	CP/71(CP/40)	240	1000	G22	35	140	63.5	200
CP/73 FKP 240V 2000W	(FKP/FKK)	CP/73 (CP/41)	240	2000	G38	35	210	127.0	400
CP/72 FTL 240V 2000W	(FTL)	CP/72 (CP/43)	240	2000	GY16	35	145	70.0	400
CP/70 FVB 240V 1000W	(FVB)	CP/70 (CP/24)	240	1000	GX9.5	26	110	55.0	200
CP/77 FEP 240V 1000W	FEP	CP77	240	1000	G9.5	20	101	60.5	250
CP/81 FSK 240V 300W	FSK	CP81	240	300	GY9.5	18	90	46.3	150
CP/82 FRJ 240V 500W	FRJ	CP82	240	500	GY9.5	18	90	46.3	150
CP/89 FRM 240V 650W	FRM	CP89	240	650	GY9.5	23	90	46.3	150

Item description	Filament	Filament dimensions		Lumen	Colour	Burning	Max. Perm.	Figure	Packing	Ordering
	Type	W	H	Output	Temp.	Position	pinch temp.	Nr.	Quantity	Code
		mm	mm	Lm	K		C°			
CP/71 FKJ 240V 1000W	BPC-13D	13	15	26000	3200	S90	400	1	20	9061116
CP/73 FKP 240V 2000W	BPC-13D	20	19	52000	3200	S90	400	4	1	9061118
CP/72 FTL 240V 2000W	BPC-13D	20	19	52000	3200	S90	400	3	20	9061119
CP/70 FVB 240V 1000W	BPC-13D	13	15	26000	3200	S90	400	2	20	9061121
CP/77 FEP 240V 1000W	CC-8	6	23	26000	3200	ANY	400	5	10	9061385
CP/81 FSK 240V 300W	MCC-13	8	13	7050	3200	ANY	400	6	10	9061122
CP/82 FRJ 240V 500W	MCC-13	8	18	13500	3200	ANY	400	6	10	9061124
CP/89 FRM 240V 650W	BPC-13D	10	10	16250	3200	S90	400	6	25	9061126

BP=Biplane • CC=Coiled Coil • M=M-shaped

STAGE/THEATRE Single Ended

Mains voltage single ended halogen lamps for stage and theatre. These lamps have bi-plane filaments, offering higher performance and replacing the older mono-plane types in parentheses.


GCJ 240V 500W


FWR 240V 1000W


FWT 240V 1200W

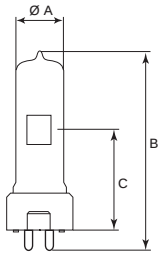


Fig. 1

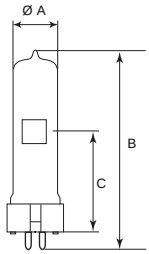


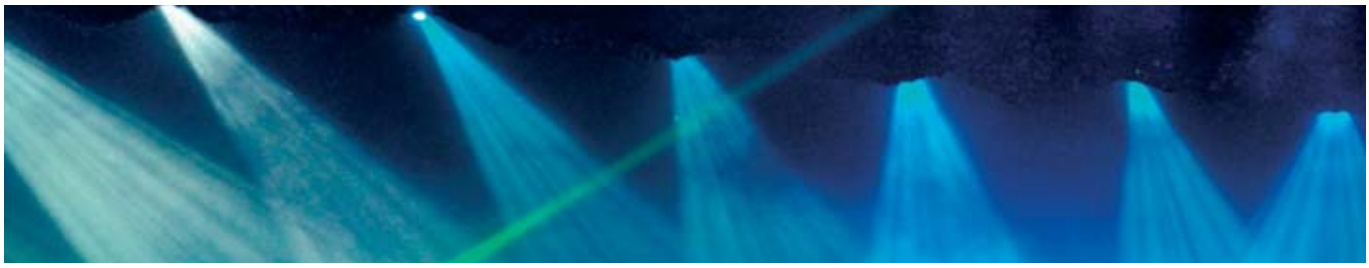
Fig. 2

FEATURES

- Compact filament configuration resulting in more light emitted from the focal point
- Longer life than studio and film lamps

APPLICATIONS

- Stage and theatre
- Effect lighting



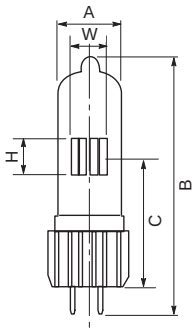
Item description	ANSI	LIF	Voltage V	Watt W	Base	Dimensions A mm	B mm	C mm
T/25 GCJ 240V 500W	GCJ (GCW)	T/25 (T18)	240	500	GY9.5	23	90	46.5
T/27 GCK 230V 650W	GCK (GCT)	T/27 (T/26)	230	650	GY9.5	26	90	46.5
T/27 GCL 240V 650W	GCL (GCS)	T/27 (T/26)	240	650	GY9.5	23	90	46.5
T/19 FWP 230V 1000W	FWP	T/19 (T/11)	230	1000	GX9.5	35	110	55
T/19 FWR 240V 1000W	FWR	T/19 (T/11)	240	1000	GX9.5	26	110	55
T/29 FWT 240V 1200W	FWT	T/29	240	1200	GX9.5	27	125	67
M/40 240V 500W	-	M/40	230	500	GY9.5	23	90	46.5

Item description	Filament Type	Filament dimensions W mm	H mm	Lumen Output Lm	Rated Av. Life h	Burning Position	Max. Perm. pinch temp. C°	Figure Nr.	Packing Quantity	Ordering Code
T/25 GCJ 240V 500W	BPC-13D	10	10	11000	300	S90	400	1	25	9061542
T/27 GCK 230V 650W	BPC-13D	11	11	14500	400	S90	400	1	25	0061736
T/27 GCL 240V 650W	BPC-13D	10	10	14500	400	S90	400	1	25	9061545
T/19 FWP 230V 1000W	BPC-13D	13	15	20500	750	S90	350	2	20	0061737
T/19 FWR 240V 1000W	BPC-13D	15	13	20500	750	S90	350	2	20	9061548
T/29 FWT 240V 1200W	BPC-13D	15	13	28600	400	S90	350	2	20	9061551
M/40 240V 500W	BPC-13D	11	12.4	8500	2000	ANY	370	1	50	0061733

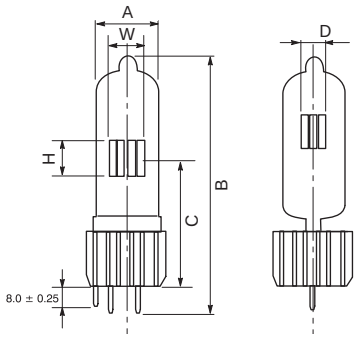
STAGE/THEATRE Single Ended HPL FOR ETC "SOURCE FOUR" FIXTURES

The HPL lamps are designed especially for the «Source Four» spotlight family of ETC. The reflector of the spotlight makes optimum use of the filament construction, so that the generated light output (from 750W lamps) is now the same as for an existing 1000W fixture.

HPL 750W



HPL 575W



HPL 750W

(*) : ETC Source Four Spotlight

FEATURES

- Ultra compact filament design for high lumen output and accurate aiming
- Optimum system performance
- High beam intensity
- Reinforced pinch seal for extra mechanical resistance
- Special heat sink base reducing seal temperature and maximising life. Suited for use in high temperature applications
- Optimal lamp alignment also ensured by the heat sink base
- Long life versions (LL) ideal for architectural lighting

APPLICATIONS

- Theatre lighting
- TV and studio
- Entertainment and Architectural applications
- Professional Photography

DIRECTIONS FOR USE

- To be used in the ETC Source Four range of spotlights only
- **Licensed under U.S. patent # 5268613, Japanese patent #2501772**

Item description	Voltage	Watt	Base	Coil	Lumen	Life	Burning Position	Colour Temp.
	V	W						
HPL 575W 240V	240	575	G9.5	6-C8	14900	400	Any	3200K
HPL 750W 240V	240	750	G9.5	6-C8	19750	300	Any	3200K
HPL 575W 240V LL	240	575	G9.5	6-C8	11780	1500	Any	3050K
HPL 750W 240V LL	240	750	G9.5	6-C8	15600	1500	Any	3050K

Item description	Dimensions			Filament dimensions			Packing Quantity	Ordering Code
	A	B	C	W	D	H		
	mm	mm	mm	mm	mm	mm		
HPL 575W 240V	19,0	104,0	60,3	8,7	7,5	9,4	10	0061801
HPL 750W 240V	19,0	104,0	60,3	8,7	7,5	11,5	10	0061803
HPL 575W 240V LL	19,0	104,0	60,3	8,7	7,5	12	10	0061805
HPL 750W 240V LL	19,0	104,0	60,3	8,7	7,5	13	10	0061807

STUDIO U-SHAPED

Mains voltage U-shaped halogen lamps mainly used in TV and photo studios.

DJE 230V 1000W

FHB 230V 1000W

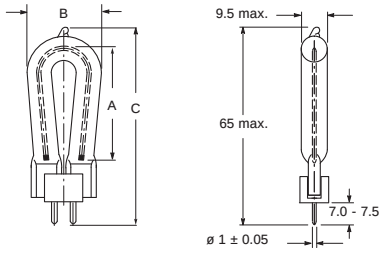


Fig. 1

FEATURES

- U-shaped quartz halogen lamp
- Single coil construction
- Multiple filament supports
- High resistance against vibration

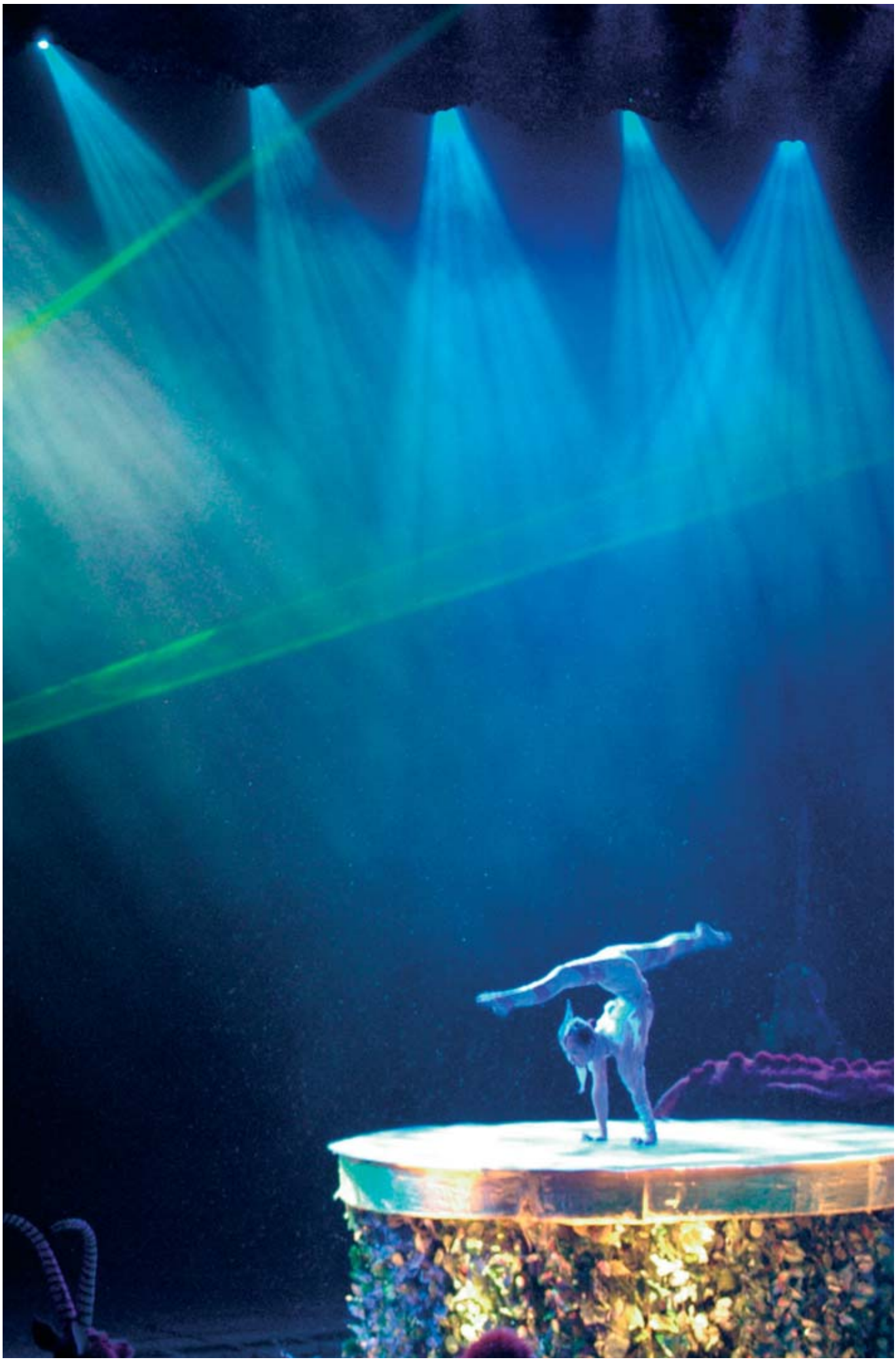
APPLICATIONS

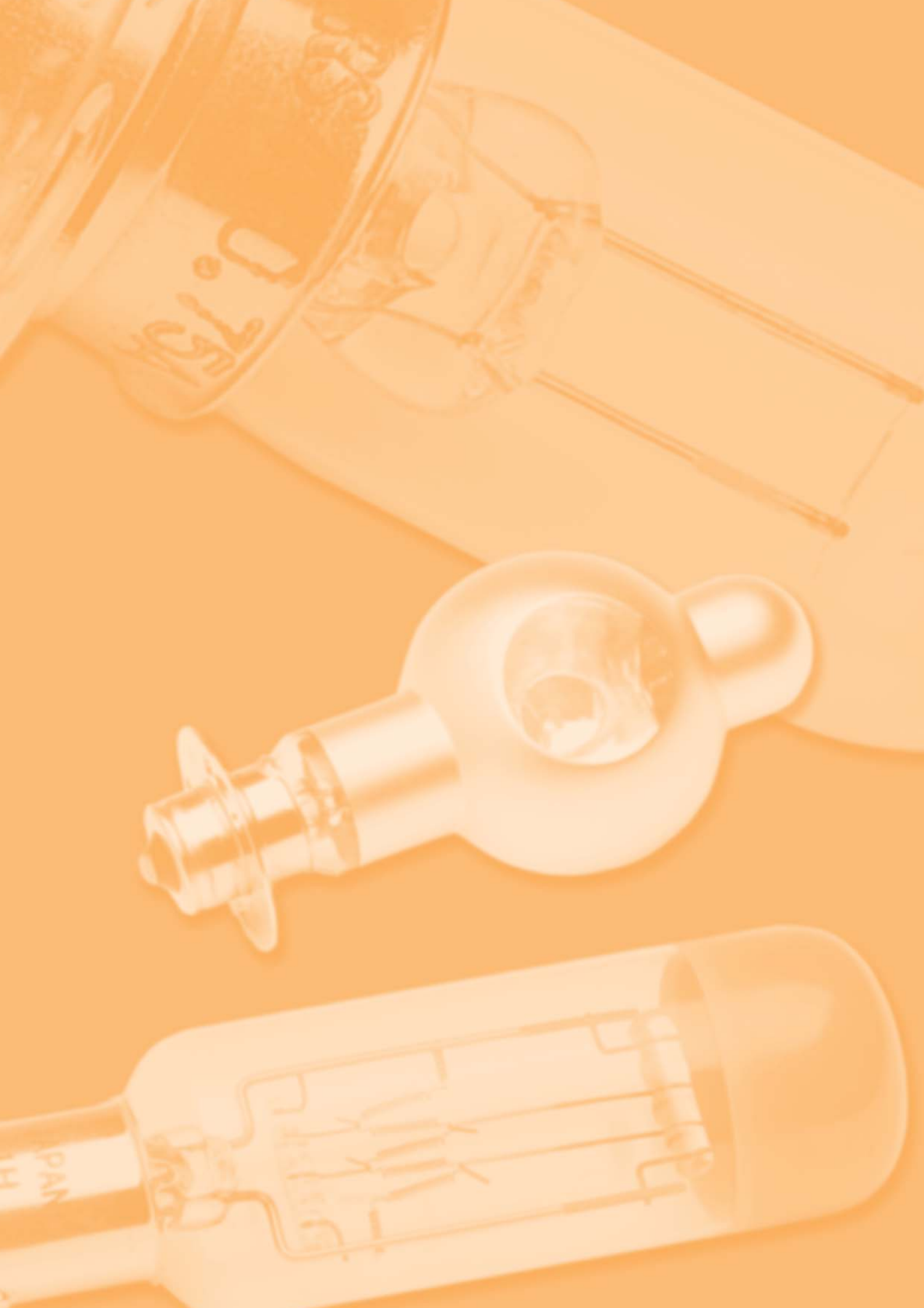
- Studio
- Film
- Photography

Suitable as higher performance replacements for conventional single ended Photofload capsules
Thanks to Sylvania's, unique U-shaped burner, the risk of arcing and premature failures is drammaticaly reduced

Item description	L-code	ANSI	LIF	Voltage	Watt	Base	Dimensions			
							A	B	C	D
				V	W		mm	mm	mm	mm
EWZ 110V 850W	L1222	EWZ	-	110V	850W	GX6.35	30.0	24	65	9.5
DJE 230V 1000W	L1192	DJE	P2/17	230V	1000W	GX6.35	38.5	24	75	9.5
FHB 230V 1000W	L1168	FHB	P1/15	230V	1000W	GX6.35	30.0	24	65	9.5
FHG 230V 1250W	L1171	FHG	P1/19	230V	1250W	GX6.35	38.5	24	75	9.5
U-Shape 230V 1250W	L1173	-	P2/26	230V	1250W	GX6.35	38.5	24	75	9.5
EYN 240V 650W	L1221	EYN	P2/17	240V	650W	GX6.35	30.0	24	65	9.5
EYM 240V 1000W	L1220	EYM	P1/15	240V	1000W	GX6.35	38.5	24	75	9.5

Item description	L-code	Lumen Output Lm	Rated Av. Life h	Colour Temperature K	Burning Position	Max. Perm. pinch temp. C°	Figure Nr.	Packing Quantity	Ordering Code
EWZ 110V 850W	L1222	23000	75	3300	BD +- 90°	400	1	50	0061735
DJE 230V 1000W	L1192	26000	75	3200	BD +- 90°	400	1	50	0061473
FHB 230V 1000W	L1168	33000	15	3400	BD +- 90°	400	1	50	0061391
FHG 230V 1250W	L1171	40000	15	3400	BD +- 90°	400	1	50	0061395
U-Shape 230V 1250W	L1173	35500	75	3200	BD +- 90°	400	1	50	0061510
EYN 240V 650W	L1221	17300	50	3300	BD +- 90°	400	1	50	0061523
EYM 240V 1000W	L1220	28300	75	3300	BD +- 90°	400	1	50	0061520





CONVENTIONAL PROJECTION BA15S (Blue Top)

CJW/CJT 240V 100W BA1

CXR/CXL 8V 50W

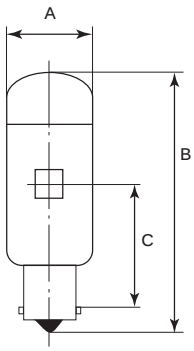


Fig. 1

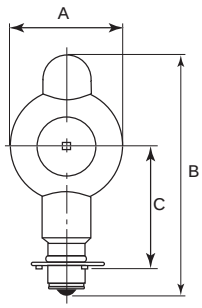


Fig. 2

FEATURES

- Closely-specified colour temperatures
- Tight beam control
- Pre-focused bases allow lamp replacement without adjustment
- High resistance against vibration

APPLICATIONS

- Theatre lighting
- Film projectors
- Slide projectors

Item description	ANSI	LIF	Voltage	Watt	Dimensions			Filament
					A	B	C	Type
			V	W	mm	mm	mm	
CJW/CJT 240V 100W	CJW/CJT	A1/021	240V	100W	25	78	35	CC-13
CNP 230V 300W	CNP	A1/037	230V	300W	27	105	35	CC-13
CXR/CXL 8V 50W	CXR/CXL	A1/017	8V	50W	43	96	47.0	C-6

Item description	Base	Approx. Lumen	Colour Temperature	Rated Av. Life	Burning Position	Figure Nr.	Packing Quantity	Ordering Code
		lm	K	h				
CJW/CJT 240V 100W	Ba15s	1500	2870	50	BD	1	25	9060629
CNP 230V 300W	Ba15s	6600	3050	25	BD	1	25	9060623
CXR/CXL 8V 50W	P30s	36	3200	25	BD	2	25	9061617

BD=Base Down

PAR 38 Coloured

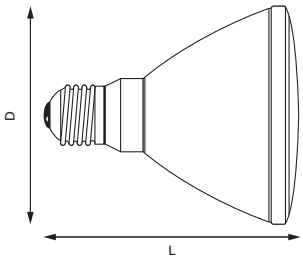
Incandescent PAR lamps with integral parabolic reflector and coloured front lens.

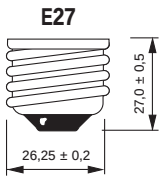
240V 80W BLUE

240V 80W GREEN

240V 80W RED

240V 80W YELLOW





FEATURES

- Parabolic-shaped reflector made from hard glass
- Coloured front lens
- Choice of four colours: Blue, Green Red, and Yellow
- E27 cap

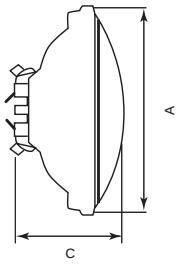
APPLICATIONS

- Mainly used in commercial accent lighting
- To create special effects in bars, clubs and discos and in shop window displays

Item description	Watt	Volt	Cap	Dimensions L mm	Dimensions D mm	Packing Quantity	Ordering Code
80W/FL30°PAR38 blue	80	240	E27	136	124	10	0019650
80W/FL30°PAR38 green	80	240	E27	136	124	10	0019651
80W/FL30°PAR38 red	80	240	E27	136	124	10	0019652
80W/FL30°PAR38 yellow	80	240	E27	136	124	10	0019653

PAR 36

PAR36 6V 30W



FEATURES

- Pressed glass reflector lamps
- Beam patterns: from very narrow spot through wide angle floods
- Consistency from lamp to lamp
- Economical light source for effects
- Halogen version delivers maintained beam intensity throughout life

APPLICATIONS

- Entertainment and Architectural applications
- Displays
- Museums
- Exhibitions
- Gardens
- Discos

DIRECTIONS FOR USE

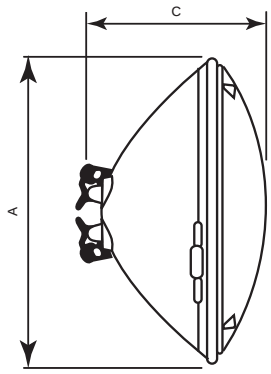
- Easy handling
- Can be used with very economical fixtures (PAR cans)

Item description	ANSI	LIF	Voltage V	Watt W	Beam type	Approx. Beam Spread 10% Peak CD	Base
PAR 36 6,4V 30W Disco (H4515)	-	-	6.4	30	Spot	5x5	Screw Terminal
PAR 36 12,8V 30W (H 4405)	-	-	12.8	30	Spot	6x5	Screw Terminal
PAR 36 12V 50W VNSP			12	50	Very Narrow Spot	6x6	Screw Terminal
PAR 36 12V 50W NSP	-	-	12	50	Narrow Spot	11x10	Screw Terminal
PAR 36 12V 50W WFL	-	-	12	50	Wide Flood	30x25	Screw Terminal
PAR 36 120V 650W	DWE	-	120	650	Medium Flood	40x30	Screw Terminal

Item description	Dimensions A Diameter mm	C MOL mm	Peak Intensity cd	Colour temp. K	Rated Av. Life h	Burning Position	Packing Quantity	Ordering Code
PAR 36 6,4V 30W Disco (H4515)	114	70	55000	3200	200	Any	12	0060500
PAR 36 12,8V 30W (H 4405)	114	70	50000	3200	100	Any	12	9020167
PAR 36 12V 50W VNSP	114	70	19000	3000	2000	Any	12	0060508
PAR 36 12V 50W NSP	114	70	11000	3000	2000	Any	12	0060501
PAR 36 12V 50W NFL	114	70	1300	3000	2000	Any	12	0060502
PAR 36 120V 650W	114	70	24000	3200	100	H15	12	0060503

PAR 56 Low Voltage

PAR56 12V 100W



FEATURES

- Pressed glass reflector lamps
- Beam patterns: from very narrow spot through wide angle floods
- Consistency from lamp to lamp
- Instant replaceability without the need to re-focus and re-aim fixtures

APPLICATIONS

- Theatre lighting
- TV and studio
- Entertainment and Architectural applications
- Displays
- Museums
- Churches
- Towers
- Exhibitions
- Gardens
- Discos

DIRECTIONS FOR USE

- Easy handling
- Can be used with very economical fixtures (PAR cans)

Item description	ANSI	LIF	Voltage V	Watt W	Beam type	Approx. Beam Spread 10% Peak CD	Base
PAR 56 12V 100W (4545)	-	-	12	100	Spot	9x5	Screw Terminal

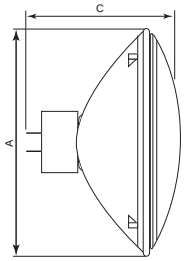
Item description	Dimensions A Diameter mm	C MOL mm	Peak Intensity cd	Colour temp. K	Rated Av. Life h	Burning Position	Packing Quantity	Ordering Code
PAR 56 12V 100W (4545)	178	114	225000	3200	100	Any	12	0060509

PAR 56 Mains Voltage

PAR56 300W NSP

PAR56 300W MFL

PAR56 300W WFL



FEATURES

- Pressed glass reflector lamps
- Beam patterns: from very narrow spot through wide angle floods
- Consistency from lamp to lamp
- Instant replaceability without the need to re-focus and re-aim fixtures

APPLICATIONS

- Theatre lighting
- TV and studio
- Entertainment and Architectural applications
- Displays
- Museums
- Churches
- Towers
- Exhibitions
- Gardens
- Discos

DIRECTIONS FOR USE

- Easy handling
- Can be used with very economical fixtures (PAR cans)

Item description	ANSI	LIF	Voltage V	Watt W	Beam type	Approx. Beam Spread 10% Peak CD	50% Peak CD	Base
PAR 56 300W NSP 240V	-	-	240	300	Narrow Spot	20° x 14°	10° x 8°	GX16d
PAR 56 300W MFL 240V	-	-	240	300	Medium Flood	34° x 19°	23° x 11°	GX16d
PAR 56 300W WFL 240V	-	-	240	300	Wide Flood	57° x 27°	37° x 18°	GX16d

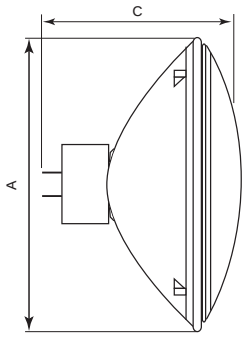
Item description	Dimensions A Diameter mm	C MOL mm	Peak Intensity cd	Colour temp. K	Rated Av. Life h	Burning Position	Packing Quantity	Ordering Code
PAR 56 300W NSP 240V	178,6	127	70000	2750	2000	Any	12	0060513
PAR 56 300W MFL 240V	178,6	127	30000	2750	2000	Any	12	0060514
PAR 56 300W WFL 240V	178,6	127	10000	2750	2000	Any	12	0060515

PAR 64 Mains Voltage

PAR 64 CP60 1000W NSP

PAR 64 CP61 1000W SP

PAR 64 CP62 1000W MFL



FEATURES

- Pressed glass reflector lamps
- Extremely powerful beam
- Halogen inner capsule, for 100% lumen maintenance through life
- Beam patterns: from very narrow spot through wide angle floods
- Consistency from lamp to lamp
- Instant replaceability without the need to re-focus and re-aim fixtures
- Double internal fused for end of life safety

APPLICATIONS

- Theatre lighting
- TV and studio
- Entertainment and Architectural applications
- Displays
- Museums
- Churches
- Towers
- Exhibitions
- Gardens
- Discos

DIRECTIONS FOR USE

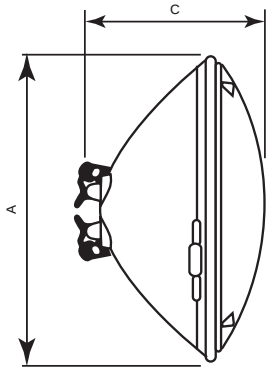
- Easy handling
- Can be used with very economical fixtures (PAR cans)

Item description	ANSI	LIF	Voltage	Watt	Beam type	Approx. Beam Spread		Base
						10% Peak CD	50% Peak CD	
			V	W				
PAR 64 CP86 240V 500W VNSP	-	CP86	240	500	Very Narrow Spot	16x13	10x7	Gx16d
PAR 64 CP87 240V 500W NSP	-	CP87	240	500	Narrow Spot	19x16	11x9	Gx16d
PAR 64 CP88 240V 500W MFL	-	CP88	240	500	Medium Flood	32x19	21x10	Gx16d
PAR 64 CP60 240V 1000W NSP	EXC	CP60	240	1000	Narrow Spot	20x17	12x6	Gx16d
PAR 64 CP61 240V 1000W SP	EXD	CP61	240	1000	Spot	23x20	14x7	Gx16d
PAR 64 CP62 240V 1000W MFL	EXE	CP62	240	1000	Medium Flood	39x24	28x12	Gx16d
PAR 64 CP95 240V 1000W XWFL	EXG	CP95	240	1000	Extra Wide Flood	125x95	70x70	Gx16d

Item description	Dimensions		Peak	Colour	Rated	Burning	Packing	Ordering
	A	C	Intensity	temp.	Av. Life	Position	Quantity	Code
	Diameter mm	MOL mm	cd	K	h			
PAR 64 CP86 240V 500W VNSP	240	152,4	240000	3200	300	Any	6	9061146
PAR 64 CP87 240V 500W NSP	240	152,4	140000	3200	300	Any	6	9061147
PAR 64 CP88 240V 500W MFL	240	152,4	65000	3200	300	Any	6	9061148
PAR 64 CP60 240V 1000W NSP	240	152,4	400000	3200	300	Any	6	9061109
PAR 64 CP61 240V 1000W SP	240	152,4	275000	3200	300	Any	6	9061127
PAR 64 CP62 240V 1000W MFL	240	152,4	130000	3200	300	Any	6	9061128
PAR 64 CP95 240V 1000W	240	152,4	15000	3200	300	Any	6	9061129

PAR 56 12V Swimming Pool

PAR56 12V 300W Swimming Pool



FEATURES

- Low voltage (12V) for safety reasons
- Heat resistant glass
- Sturdily constructed lamp absorbs mechanical shocks
- Wide beam

APPLICATIONS

- Swimming Pools
- Fountains

DIRECTIONS FOR USE

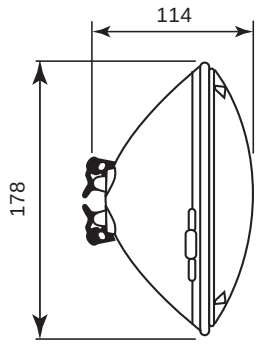
- High running current (25A)

Item description	ANSI	LIF	Voltage V	Watt W	Approx. Beam Spread Hor. x Vert. Degrees	Base
PAR 56 12V 300W Swimming Pool	-	-	12	300	50 x 25	Screw

Item description	Dimensions A Diameter mm	Dimensions C MOL mm	Peak Intensity cd	Colour temp. K	Rated Av. Life h	Burning Position	Packing Quantity	Ordering Code
PAR 56 12V 300W Swimming Pool	178	114	12000	2850	1000	S45	12	9061532

PAR 56 12V LED Swimming Pool

The Sylvania PAR56 LED represents a top class professional development for underwater illumination of swimming pools, fountains etc. By combining high power LEDs of red, green and blue or fixed white colour, together with an internal microprocessor, it is capable of generating the full spectrum of colours. The lamp can be operated in a mode of continuous colour changing, or fixed at any desired colour by briefly switching off and back on again. This is facilitated by the optional Sylvania remote control and receiver.



Remote Control

Receiver

FEATURES

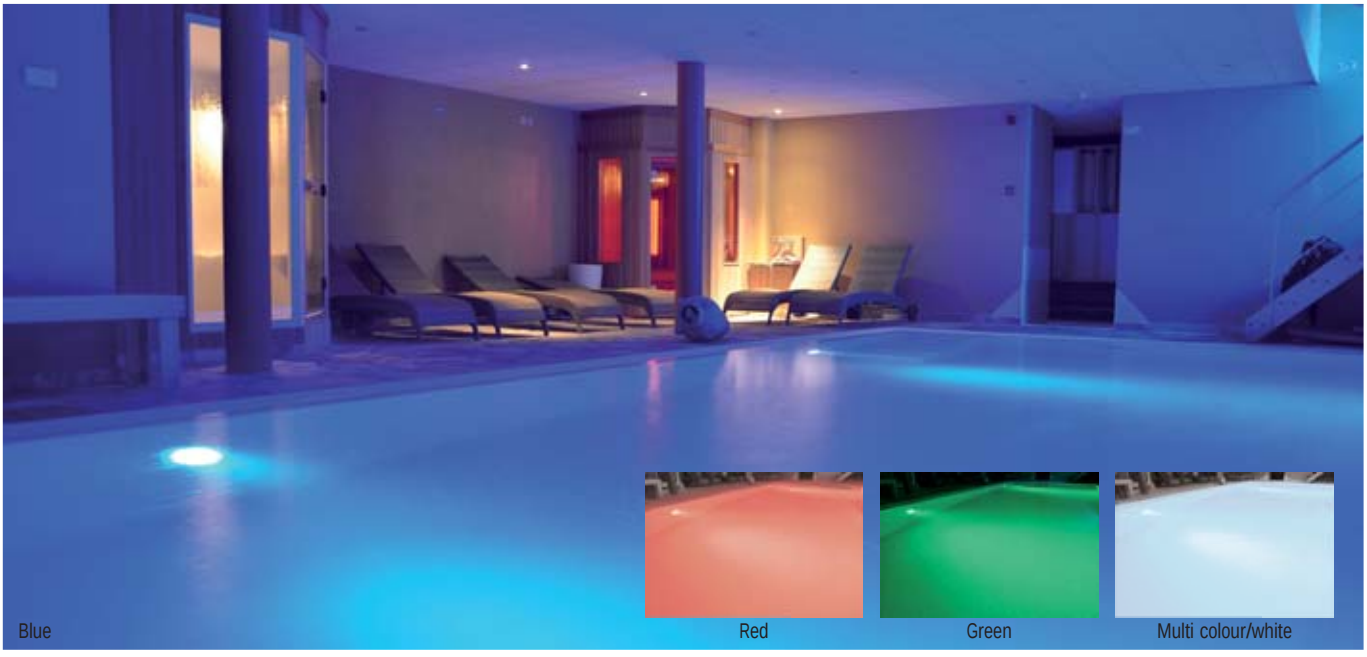
- Choice between RGB or fixed white version
- High power LED retrofit for incandescent PAR lamps
- Produces full spectrum of rich colours or white (multi colours)
- Sylvania patent pending colour control technology
- Simple on/off switching sets colour changing or fixed mode (can be achieved by using a standard switch)
- Optional Sylvania remote control and receiver available
- Identical shape to incandescent PAR56 = easy retrofit
- Unique sealing method guarantees IP68 water-tightness
- Die cast aluminium housing cools LEDs for high output
- Chlorine-resistant materials permits use in swimming pools
- Long lamp lifetime > 25.000 hours
- Low heat generation

APPLICATIONS

- All retrofit PAR56 underwater
- Swimming Pools
- Fountains

DIRECTIONS FOR USE

- Only for use with magnetic (no electronic) transformer
- For adequate cooling, lamp must be operated under water

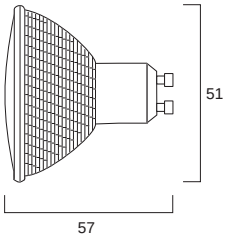


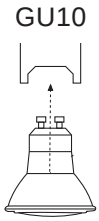
Item description	Watt W	Voltage V	Current A	Peak Intensity cd	Beam Angle °	Bulb	Base	Packing Quantity	Ordering Code
PAR 56 LED POOL RGB+multicolour	25	12	1,15	1000	25	PAR56	Screw Lugs	6	**0060526**
PAR 56 LED POOL White colour	25	12	1,15	1000	25	PAR56	Screw Lugs	6	**0060524**
OPTIONAL REMOTE CONTROL UNIT :									
PAR 56 LED Receiver	max. 250	110/250	max. 1A	-	-	-	Screw Terminals	6	**0060523**
PAR 56 LED Remote Control	-	12V Battery	-	-	-	-	-	6	**0060522**

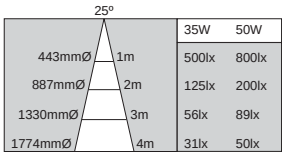
HI-SPOT ES50 GU10 COLOURED

Mains voltage halogen reflector lamps with coloured lens and GU10 base. The Sylvania lamps employ a unique lens made of natural coloured glass, instead of the more standard dichroic coatings. This brings the advantages of a purer light colour in the beam. These new front lenses completely eliminate the unsightly halo of rainbow coloured fringes that are seen around the perimeter of the beam with lamps using dichroic coloured lenses.

universal UV STOP







FEATURES

- Transparent lens in real natural coloured glass
- Pure, saturated beam colours without the usual rainbow-effect halo
- Four colours available: red, yellow, green and blue
- Unique, patented, computer designed spiral facetted aluminised reflector
- Available in medium flood version: 25°

APPLICATIONS

- To bring a touch of colour in a wide range of applications
- Architectural features
- Discos and clubs
- Decorative lighting

DIRECTIONS FOR USE

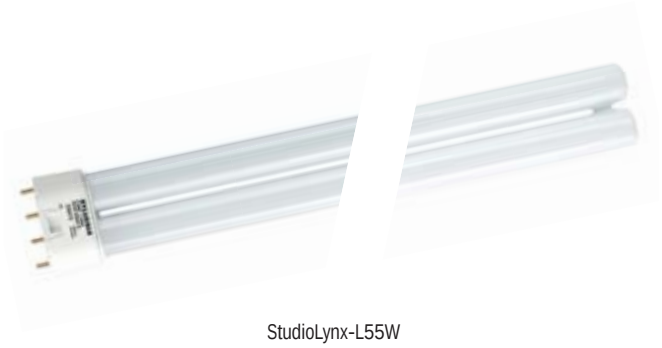
- For use in mains voltage fixtures with GU10 base
- Universal burning
- Suitable for exterior use in conjunction with waterproof fixtures
- Can be dimmed using standard dimming switches

Item description	Watt W	Voltage V	Beam Angle	Luminous intensity cd	Colour	Cap	Average Rated Life hrs	Packing Quantity	Ordering Code
Hi-Spot ES50 50W BLUE 240V	50	240	25°	30	Blue	GU10	2500	10	0021270
Hi-Spot ES50 50W GREEN 240V	50	240	25°	130	Green	GU10	2500	10	0021271
Hi-Spot ES50 50W RED 240V	50	240	25°	225	Red	GU10	2500	10	0021272
Hi-Spot ES50 50W YELLOW 240V	50	240	25°	550	Yellow	GU10	2500	10	0021273

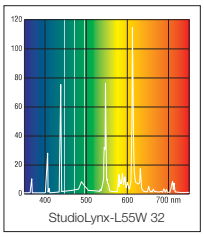

SYLVANIA
F18W / GREEN
RECYCLABLE
MADE IN GERMANY
SYLVANIA
F18W / BLUE

STUDIOLYNX

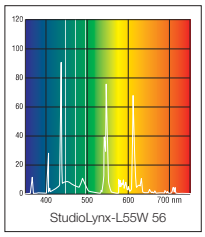
The StudioLynx-lamps are specially designed for television studio lighting. They provide high lumen packages and offer excellent colour stability, even when dimmed. The special phosphors allow them to seamlessly blend in with the light from other tungsten or metal halide lamps on the set.



StudioLynx-L55W

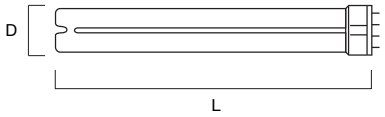


StudioLynx-L55W 32



StudioLynx-L55W 56

universal



FEATURES

- Two colour temperature versions to match both tungsten halogen and metal halide light
- High lumen output
- Excellent colour rendering
- Dimmable, with good colour stability
- Long service life, average 8000hrs
- Offers a soft and diffused light
- Strongly reduced ambient temperature compared to tungsten light sources
- Relatively low power consumption, eliminating heavy duty cables

APPLICATIONS

- TV studios
- Broadcast studios
- Digital TV work on location

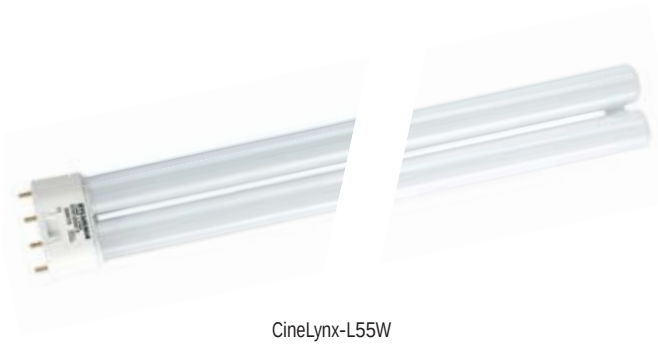
DIRECTIONS FOR USE

- Operate on electronic flicker free ballasts
- To be used in new, smaller light weight fixtures
- Allow lamps to stabilise for 20 min. before checking colour. There is a slight shift in colour during warm-up

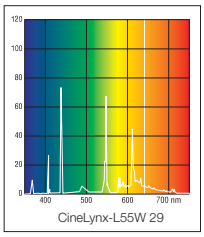
Item description	Watt	Volt	Current	Luminous Flux	Colour chromaticity		CRI	Cap	Dimensions L	D	Rated Av.Life	Packing Quantity	Ordering Code
	W	V	A	lm	X	Y	Ra		MOL mm	mm	hrs		
StudioLynx-L55W 32	55	101	550	4700	0,425	0,385	86	2G11	535	40	8000	10	0025670
StudioLynx-L55W 56	55	101	550	4400	0,330	0,320	86	2G11	535	40	8000	10	0025671

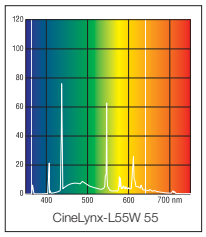
CINELYNX

The CineLynx-lamps are specially designed for film applications. They feature a superior phosphor blend, which has been finely tuned to match the spectral sensitivity curves of both tungsten and daylight film stock. Consequently they achieve an extremely high colour rendering index (Ra >90) and there is generally no need for colour correction. Expensive and time consuming correction with filters or gels is therefore not necessary.

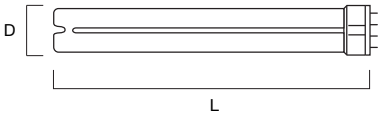


CineLynx-L55W





universal



FEATURES

- Two colour temperature versions to match both tungsten halogen and metal halide light
- Matches spectral sensitivity of film, no colour correction necessary
- Excellent colour rendering (CRI up to Ra 93)
- Dimmable, with good colour stability
- Long service life, average 8000hrs
- Offers a soft and diffused light
- Strongly reduced ambient temperature compared to tungsten light sources
- Relatively low power consumption, eliminating heavy duty cables

APPLICATIONS

- Cinematography applications
- Photography
- Applications where photographic film is used

DIRECTIONS FOR USE

- Operate on electronic flicker free ballasts
- To be used in new, smaller light weight fixtures
- Allow lamps to stabilise for 20 min. before checking colour. There is a slight shift in colour during warm-up

Item description	Watt	Volt	Current	Luminous Flux	Colour chromaticity		CRI	Cap	Dimensions		Rated Av.Life	Packing Quantity	Ordering Code
									L	D			
	W	V	A	lm	X	Y	Ra		MOL mm	∅ mm	hrs		
CineLynx-L55W 29	55	101	550	3500	0,430	0,380	90	2G11	535	40	8000	10	0025673
CineLynx-L55W 55	55	101	550	3500	0,305	0,310	93	2G11	535	40	8000	10	0025672

BLACKLIGHT BLUE LAMPS

Blacklight Blue lamps differ from standard fluorescent lamps only in the type and composition of phosphor used. The bulb is made of special dark-blue filter glass that absorbs practically all of the visible light, yet freely transmits the ultraviolet radiation. Fixture requirements are simple since the lamp is a completely self-contained blacklight unit.

F8 T5 BLB 8W

F18 T8 BLB 18W

F20 T12 BLB 20W

LYNX S 11W BLB

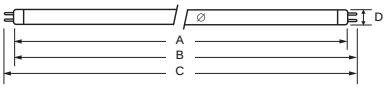


Fig. 1

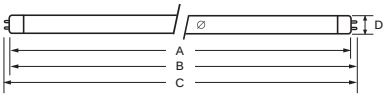


Fig. 2

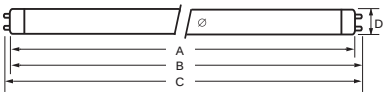


Fig. 3

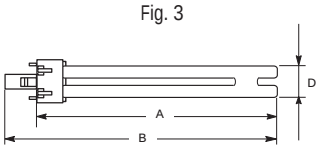
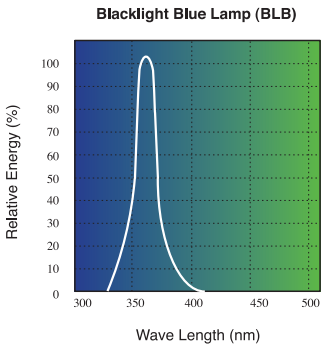


Fig. 4



FEATURES

- The lamps efficiently emit near ultraviolet radiation at 315nm-400nm with strong photochemical and fluorescent effects
- The special deep blue filter glass absorbs visible rays and transmits near (UV-A) ultraviolet rays only
- Shape, electrical characteristics and lighting circuits similar to general fluorescent lamps

APPLICATIONS

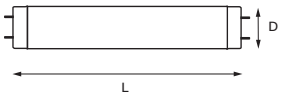
- Special effects
- Counterfeit detection in philately, bank notes, papers, etc.
- Leak and crack detection
- Excitation of fluorescent paints in dark rooms
- Revealing fluorescence of drawings on textiles
- Geological investigation of stones and rocks

Item description	Watt W	Voltage V	Current A	Spectral Peak nm	UV-A Irradiance at 1 meter µW/cm²	Cap	Life Hrs
F4 T5 BLB	4	29	0.170	365	≥ 4.5	G5	5000
F6 T5 BLB	6	42	0.160	365	≥ 7	G5	5000
F8 T5 BLB	8	56	0.145	365	≥ 10	G5	5000
F15 T8 BLB	15	55	0.310	365	≥ 22.5	G13	7000
F18 T8 BLB	18	57	0.370	365	≥ 34.5	G13	7000
F30 T8 BLB	30	96	0.365	365	≥ 36.5	G13	8000
F36 T8 BLB	36	103	0.430	365	≥ 39	G13	8000
F20 T12 BLB	20	57	0.370	350	≥ 15.5	G13	7000
F40 T12 BLB	40	103	0.420	350	≥ 17.5	G13	8000
LYNX-S 9W BLB	9	60	0.170	365	≥ 8.5	G23	8000
LYNX-S 11W BLB	11	90	0.155	365	≥ 17.5	G23	8000

Item description	Dimensions L A (mm)	L B (mm)	L C (mm)	D (mm)	Figure Nr.	Packing Quantity	Ordering Code
F4 T5 BLB	136	143	150	16	1	50	0000008
F6 T5 BLB	212	219	226	16	1	50	0000018
F8 T5 BLB	288	295	303	16	1	50	0000024
F15 T8 BLB	437	445	452	26	2	100	0000077
F18 T8 BLB	590	597	604	26	2	100	0000698
F30 T8 BLB	895	902	909	26	2	25	0000158
F36 T8 BLB	1199	1207	1214	26	2	25	0000699
F20 T12 BLB	590	599	604	41	3	25	9000358
F40 T12 BLB	1199	1207	1214	41	3	25	9000186
LYNX-S 9W BLB	145	167	28	12	4	200	0025043
LYNX-S 11W BLB	215	237	28	12	4	200	0025042

T8 Coloured

Standard halophosphor tubes with a coloured coating for special colour effects.



FEATURES

- High quality fluorescent tubes
- Long life
- Available in four colours: Blue, Green, Red, Pink and Yellow

APPLICATIONS

- To create special lighting effects in shop windows, bars, fairground attractions, dance halls and discotheques

Item description	Watt	Colour	Cap	Dimensions		Luminous Flux	Packing Quantity	Ordering Code
				L	D			
	W			mm	mm	lm		
F18W/T8/R	18	Red	G13	590	26	30	25	0002572
F36W/T8/R	36	Red	G13	1200	26	70	25	0002573
F58W/T8/R	58	Red	G13	1500	26	100	25	0002574
F18W/T8/Y	18	Yellow	G13	590	26	750	25	0002561
F36W/T8/Y	36	Yellow	G13	1200	26	1550	25	0002565
F58W/T8/Y	58	Yellow	G13	1500	26	2500	25	0002569
F18W/T8/G	18	Green	G13	590	26	1200	25	0002562
F36W/T8/G	36	Green	G13	1200	26	2800	25	0002566
F58W/T8/G	58	Green	G13	1500	26	4000	25	0002570
F18W/T8/B	18	Blue	G13	590	26	300	25	0002563
F36W/T8/B	36	Blue	G13	1200	26	700	25	0002567
F58W/T8/B	58	Blue	G13	1500	26	1000	25	0002571
F18W/T8/P	18	Pink	G13	590	26	750	25	0002560
F36W/T8/P	36	Pink	G13	1200	26	1700	25	0002564
F58W/T8/P	58	Pink	G13	1500	26	2600	25	0002568


SYLVANIA
75 SE
Made in Belgium

Incandescent & Halogen Cross Reference: ANSI-Sylvania

ANSI Code	SYLVANIA Code	Page
BRL	0061300	23
BRN	9060572	23
CJW/CJT	9060629	34
CNP	9060623	34
CXR/CXL	9061617	34
DDL	9060984	19
DDM	9060954	19
DED	9060967	19
DJE	0061473	30
DNF	9060743	21
DXX	0061321	26
DYR	9060716	25
DYS/DYV	9060779	25
EFM	0061341	17
EFN	0061342	17
EFP	0061344	17
EFR	0061350	17
EHJ	0061367	23
EJA	9060921	18
EJM	9061181	19
EKE	9060943	19
ELC	0061740	19
ELC/10H	0061743	19
ELC/5H	0061741	19
ELD	9060957	19
ELH	9060813	20
EME	9060822	26
EMM/EKS	9060918	21
ENH	9060940	20
ENL	0061738	19
ENX	9060846	20
EPS	9060927	25
EPV	9061016	19
EPX	9060953	19
ERV	9060812	19
ESD	9061358	20
ESY	9060962	25
EVB/BRJ	0061303	23
EVD	9060826	23
EVW	9000017	20
EWF	9060890	19
EWX	0061494	23
EWZ	0061735	30
EXC	9061109	39
EXD	9061127	39
EXE	9061128	39
EXG	9061129	39
EXR	9061039	19
EYB	0061495	23
EYM	0061520	30
EYN	0061523	30
FAD	0061371	26
FCR	0061373	23
FCS	0061374	23
FDG	0061379	26
FDS/FDT	9060924	23
FEP	9061385	27
FEX	0060884	26
FGX	0061465	23
FHB	0061391	30
FHG	0061395	30
FHS	9060850	19
(FKJ)	9061116	27
(FKP/FKK)	9061118	27
FLT	9060877	21
FLW	9061142	23
FNT	9061150	23
FRJ	9061124	27
FRM	9061126	27
FSK	9061122	27
(FTL)	9061119	27
(FVB)	9061121	27
FWR	9061548	28
FWT	9061551	28
FXL	9061768	20
GCJ (GCW)	9061542	28
GCK (GCT)	0061736	28
GCL (GCS)	9061545	28
GKV	0061734	25
H44	9020467 / 9020664	12

ANSI=American National Standards Institute

Incandescent & Halogen Cross Reference: LIF-Sylvania

LIF Code	SYLVANIA Code	Page
A1/017	9061617	34
A1/021	9060629	34
A1/037	9060623	34
A1/215	0061373	23
A1/216	0061374	23
A1/220	0061300	23
A1/223	0061367	23
A1/229	0061341	17
A1/230	0061342	17
A1/231	0061344	17
A1/232	0061350	17
A1/233	9060716	25
A1/234	0061303	23
A1/239	9060826	23
A1/244	9061731 / 9061168	24
A1/258	9060918	21
A1/259	0061740	19
A1/262	9060924	23
A1/264	9060779	24
A1/266	9060743	21
A1/268	9060927	25
CP/70 (CP/24)	9061121	27
CP/71(CP/40)	9061116	27
CP/72 (CP/43)	9061119	27
CP/73 (CP/41)	9061118	27
CP60	9061109	39
CP61	9061127	39
CP62	9061128	39
CP77	9061385	27
CP81	9061122	27
CP82	9061124	27
CP86	9061146	39
CP87	9061147	39
CP88	9061148	39
CP89	9061126	27
CP95	9061129	39

LIF Code	SYLVANIA Code	Page
F/101	9060877	21
F/109	9060967	19
F/110	9060953	19
F/111	9061016	19
F/112	9060957	19
F/114	9060984	19
M/109	0061738	19
M/40	0061733	28
M33	0061465	23
P1/12	0061379	26
P1/15	0061391 / 0061520	30
P1/19	0061395	30
P2/11	9060822	26
P2/13	0061321	26
P2/17	0061473 / 0061523	30
P2/26	0061510	30
P2/27	0060884	26
P2/35	0061327	26
P2/6	0061371	26
T/19 (T/11)	0061737 / 9061548	28
T/25 (T18)	9061542	28
T/27 (T/26)	9061545	28
T/29	9061551	28

LIF=Lighting Industry Federation (UK)

Incandescent & Halogen Cross Reference: Japanese Code-Sylvania

Japanese Code	SYLVANIA Code	Page
JCR 100V 300W	9061063	20
JC 24V 300W	9061010	23
JCD 100V 650W	9061060	25

Japanese Code	SYLVANIA Code	Page
JCP 100V 650W	9061018	25
JPD 240V 1000W	0061327	26

Incandescent & Halogen Cross Reference: Philips-Sylvania

PHILIPS	SYLVANIA	ANSI	Page
5995	9061181	EJM	19
6423	0061350	EFR	17
6550	0061303	EVB/BRJ	23
6834	0061344	EFP	17
6847	0061341	EFM	17
6853	0061342	EFN	17
6958	0061465	FGX	23
7023	0061373	FCR	23
7027	0061300	BRL	23
13095	9060940	ENH	20
13096	9060813	ELH	20
13098	9060812	ERV	19
13158	9060957	ELD	19
13163	0061740	ELC	19
13186	9061016	EPV	19
13186	9060953	EPX	19
13194	9060967	DED	19
13629	9060943	EKE	19
13630	9060890	EWF	19
13634	9060850	FHS	19
13700	9061150	FNT	23
13824	9060846	ENX	20
13830	9000017	EVW	20
14501	9060984	DDL	19
14502	9061039	EXR	19
14526	9061768	FXL	20
14527	9060921	EJA	19
14529	9060743	DNF	21
14530	9061142	FLW	23
14531	0061495	EYB	23
13120C	9061617	CXR/CXL	35
13162R	0061321	DXX	26
13477R	9060822	EME	26
5974/5973	9060924	FDS/FDT	23
6365R	0061371	FAD	26
6638P	9061126	FRM	27
6820P	9061542	GCJ (GCW)	28
6823P	9061545	GCL (GCS)	28
6823P	0061736	GCK (GCT)	28
6872P	9061122	FSK	27
6873P	9061124	FRJ	27
6897P	9061551	FWT	28
6983P	9061385	FEP	27
6986P	0061734	GKV	25
6994Z	9061118	(FKP/FKK)	27
6995Z	9061116	(FKJ)	27
6996P	9061548	FWR	28
6996P	0061737	FWP	28
7158 XHP	0061374	FCS	23
7748S	0061367	EHJ	23
7787 XHP	9060826	EVD	23
JCR 24-250 H5	0061741	ELC/5H	19
PF801R	0061379	FDG	26

Incandescent & Halogen Cross Reference: Osram-Sylvania

OSRAM	SYLVANIA	ANSI	Page
64571	0061321	DXX	26
64579	0061379	FDG	26
64607	0061341	EFM	17
64618	9060967	DED	19
64619	9060953	EPX	19
64643	9060924	FDS/FDT	23
64686	9060716	DYR	25
64716	0061734	GKV	25
64718	0061736	GCK (GCT)	28
64744	0061737	FWP	28
64789	9061118	(FKP/FKK)	27
93505	9000017	EVW	20
93506	9060940	ENH	20
93515	9061039	EXR	19
93518	9060813	ELH	20
93520	9060850	FHS	19
93525	9060846	ENX	20
93609	0061738	ENL	19
93631	9060743	DNF	21
93637	9060833	EJV	19
93638	9060943	EKE	19
93734	9061385	FEP	27
64610HLX	0061300	BRL	23
64615HLX	0061342	EFN	17
64625HLX	0061373	FCR	23
64627HLX	0061344	EFP	17
64633HLX	0061303	EVB/BRJ	23
64634HLX	0061350	EFR	17
64640HLX	0061374	FCS	23
64653HLX	0061740	ELC	19
64655HLX	0061367	EHJ	23
64656HLX	9061150	FNT	23
64663HLX	9060826	EVD	23
64737/3	9061109	EXC	39
64738/3	9061127	EXD	39
64739/3	9061128	EXE	39

BriteArc Cross Reference

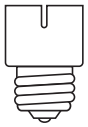
BriteArc Ordering Code	Cross reference Sylvania	Philips	Osram	GE Lighting
SINGLE ENDED NON HOT RESTRIKE				
0023987	BA 150 SE NHR	-	-	-
0023958	BA 400 SE NHR	MSR 400	HSR 400/60	-
0023960	BA 575 SE NHR	-	HSR 575/60	-
0023961	BA 700 SE NHR	MSR 700	HSR 700/60	-
0023935	BA 1200 SE NHR	MSR 1200	HSR 1200/60	-
SINGLE ENDED NON HOT RESTRIKE - LONG LIFE				
0023982	BA 70 SE T 6000K	CDM-T 70 4000K	HSD 70	CMH 70
0023978	BA 150 SE T 6000K	CDM-SA/T 150 4200K	HSD 150	CMH 150
7220168	BA 200 SE D	MSD 200	HSD 200/60	-
7220169	BA 250 SE D	MSD 250	HSD 250/60	-
0023981	BA 575 SE D	MSD 575	HSD 575/72	-
SINGLE ENDED NON HOT RESTRIKE - HIGH COLOUR TEMPERATURE				
0023998	BA 250/2 SE D 8.5	MSD 250/2	HSD 250/80	CSD 250/2/SE
0024002	BA 575/2 SE D 7.2	MSR 575/2	HSR 575/72	CSR 575/2/SE
0024000	BA 575/2 SE D 8.5		-	-
SINGLE ENDED HOT RESTRIKE				
0023944	BA 200 SE HR LCL 5600K			
0023940	BA 200 SE HR LCL 3200K			
0023941	BA 200 SE HR	MSR 200 HR	HMI 200W/SE	CSR 200/SE/HR
0023883	BA 400 SE HR	MSR 400 HR	HMI 400W/SE	CSR 400/SE/HR
0023932	BA 575 SE HR	MSR 575 HR	HMI 575W/SE	CSR 575/SE/HR
0023892	BA 400/575 SE HR DIM 3200K	-	-	-
0023992	BA 800 SE HR	-	-	CSR 800/SE/HR
0023933	BA 1200 SE HR	MSR 1200 HR	HMI 1200W/SE	CSR 1200/SE/HR
0023893	BA 1600 SE HR	-	-	-
0023934	BA 2500 SE HR	MSR 2500 HR	HMI 2500W/SE	CSR 2500/SE/HR
0023937	BA 4000 SE HR	MSR 4000 HR	HMI 4000W/SE	CSR 4000/SE/HR
DOUBLE ENDED				
0023921	BA 575 DE	MSI 575W	HMI 575W/GS	CSR 575/DE
0023917	BA 575/2 DE	MSI 575/2 DE	HTI 575/DE	CSR 575/2/DE
0023994	BA 700/2 DE S 7.5 GOLD	MSR Gold 700SA/2 DE	HTI 700W/D4/75	
0023993	BA 700/3 DE S 3.2 GOLD	-	-	-
0023922	BA 1200 DE	MSI 1200W	HMI 1200W GS	CSR 1200/DE
0023995	BA 1200 DE S 6.0	MSR Gold1200SA/DE	HTI 1200W/D7/60	CSR 1200/S/DE
0023996	BA 1200 DE S 7.2 GOLD	MSR Gold1200SA/2 DE	HTI 1200W/D7/75	-
0023923	BA 2500 DE	MSI 2500W	HMI 2500W GS	CSR 2500/DE
0023918	BA 2500 DE S		HMI 2500W/S	
0023911	BA 2500 DE A	MSA 2500 DE	HMI 2500W SFa21	
0023924	BA 4000 DE	MSI 4000W	HMI 4000W	CSR 4000/DE
0023925	BA 6000 DE	MSI 6000W	HMI 6000W	CSR 6000/DE
0023927	BA 12000 DE	MSI 12000W	HMI 12000W/GS	CSR 12000/DE

BA15s

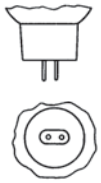
E26
Medium Skirted

E27

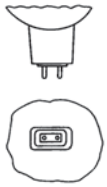
E29
AdMedium Skirted



GZ4



GX5.3



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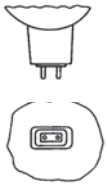


G6.35 -13 -15 -20

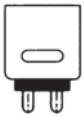
GY6.35 -13 -15

GX6.35

GZ6.35

GX7.9

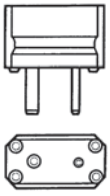
G9.5



GY5.3

GX9.5

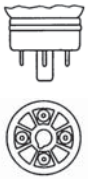
GY16



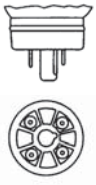
GX16d

G17t-7

G17q-7



GX17q-7



GY17q-7

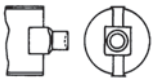
G22

G38

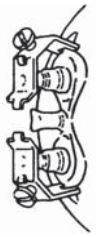
P30s-10.3

R7s

RX7s



2 screw Terminals

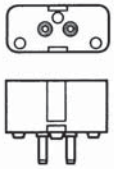


Base Types BriteArc

FaX1.5-3x1

GZY9.5(GZZ9.5)

GX9.5

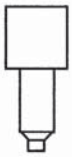


GY9.5

G22

G38

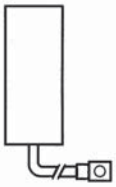
SFa21-12



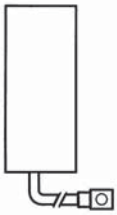
SFc10-4

SFc-15.5-6

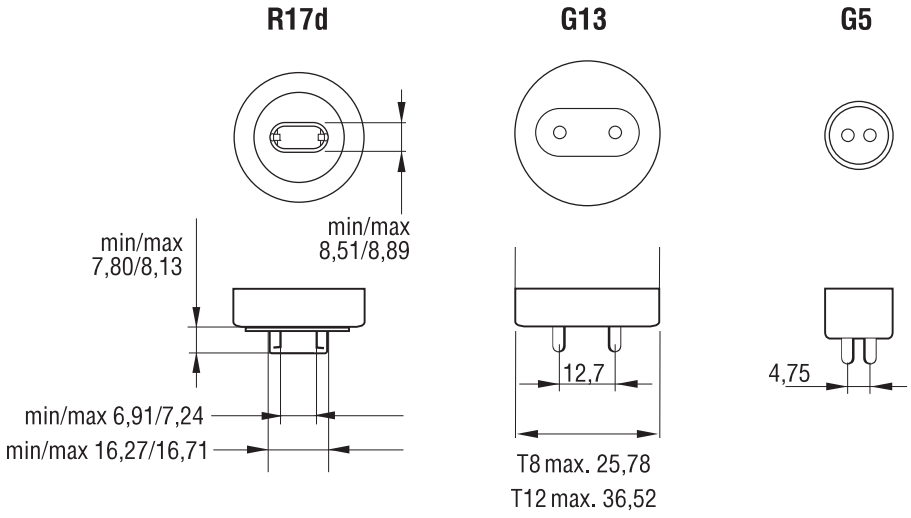
S25.5 x60



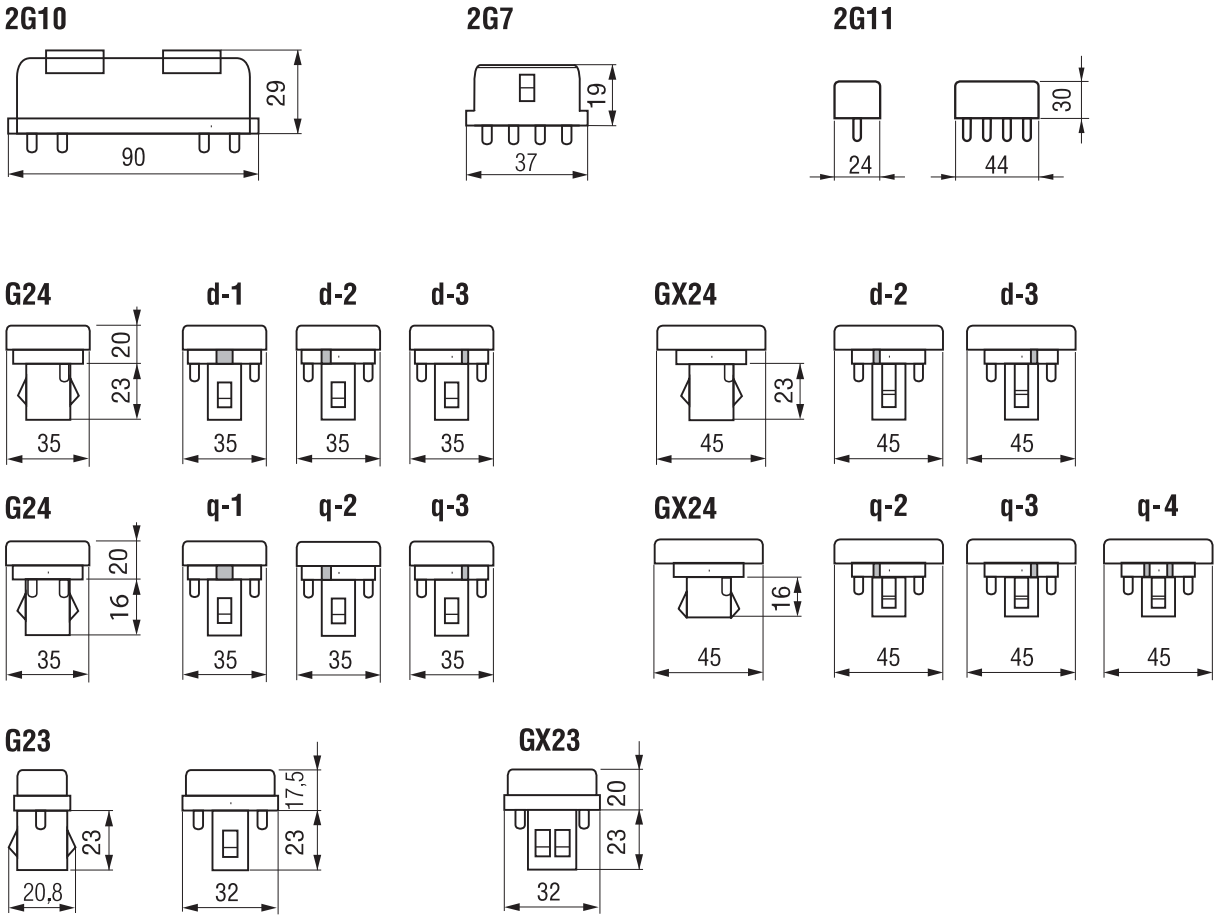
S30 x70



Base Types Fluorescent

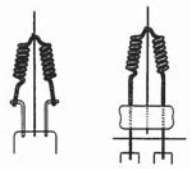


Base Types Compact Fluorescent

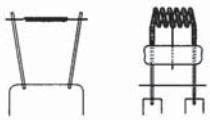


Filament Types

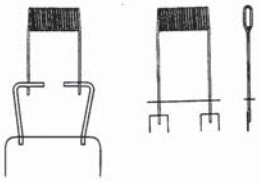
C-2V, CC-2V



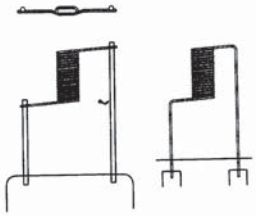
C-6, CC-6



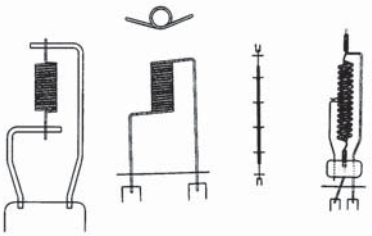
CBar6 (CF-6)



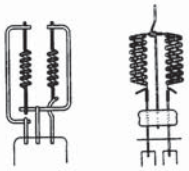
CBar8 (CF-9)



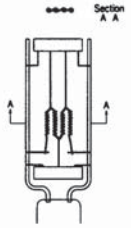
C-8, CC-8



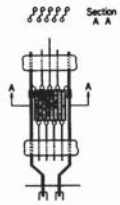
2CC-8



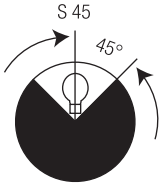
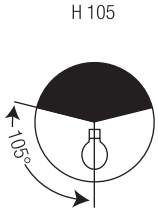
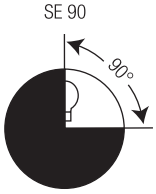
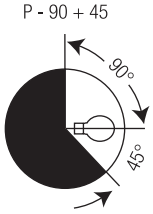
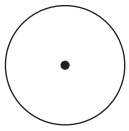
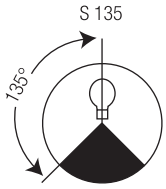
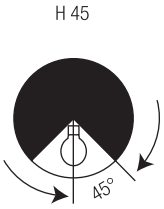
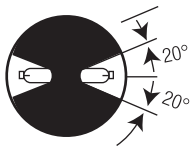
C-13, CC-13



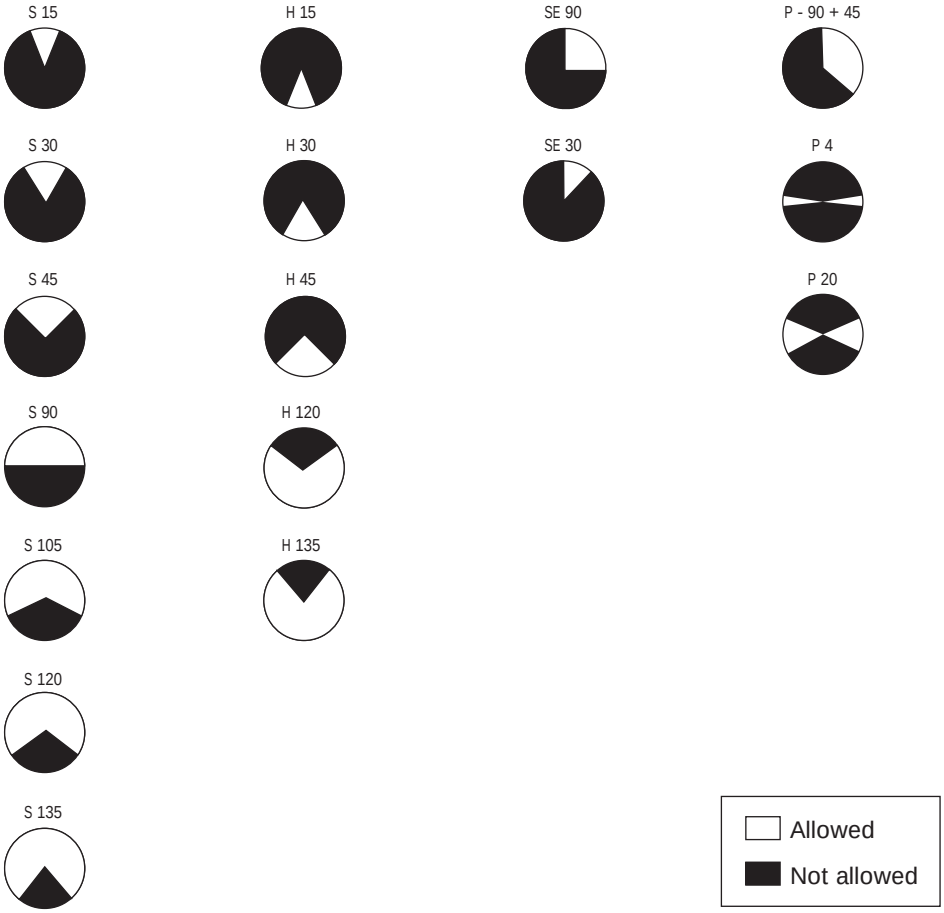
C-13D, CC-13D



C: single Coil
CC: Double Coil (Coiled Coil)
C BAR: Flat Coil

Symbols	S = BASE DOWN	H = BASE UP (hanging)	SE = BASE DOWN and one direction of rotation	P = HORIZONTAL	ANY
Example					
					

Different symbols used for Projection, Photo, Studio, Theatre, TV and Disco lamps



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