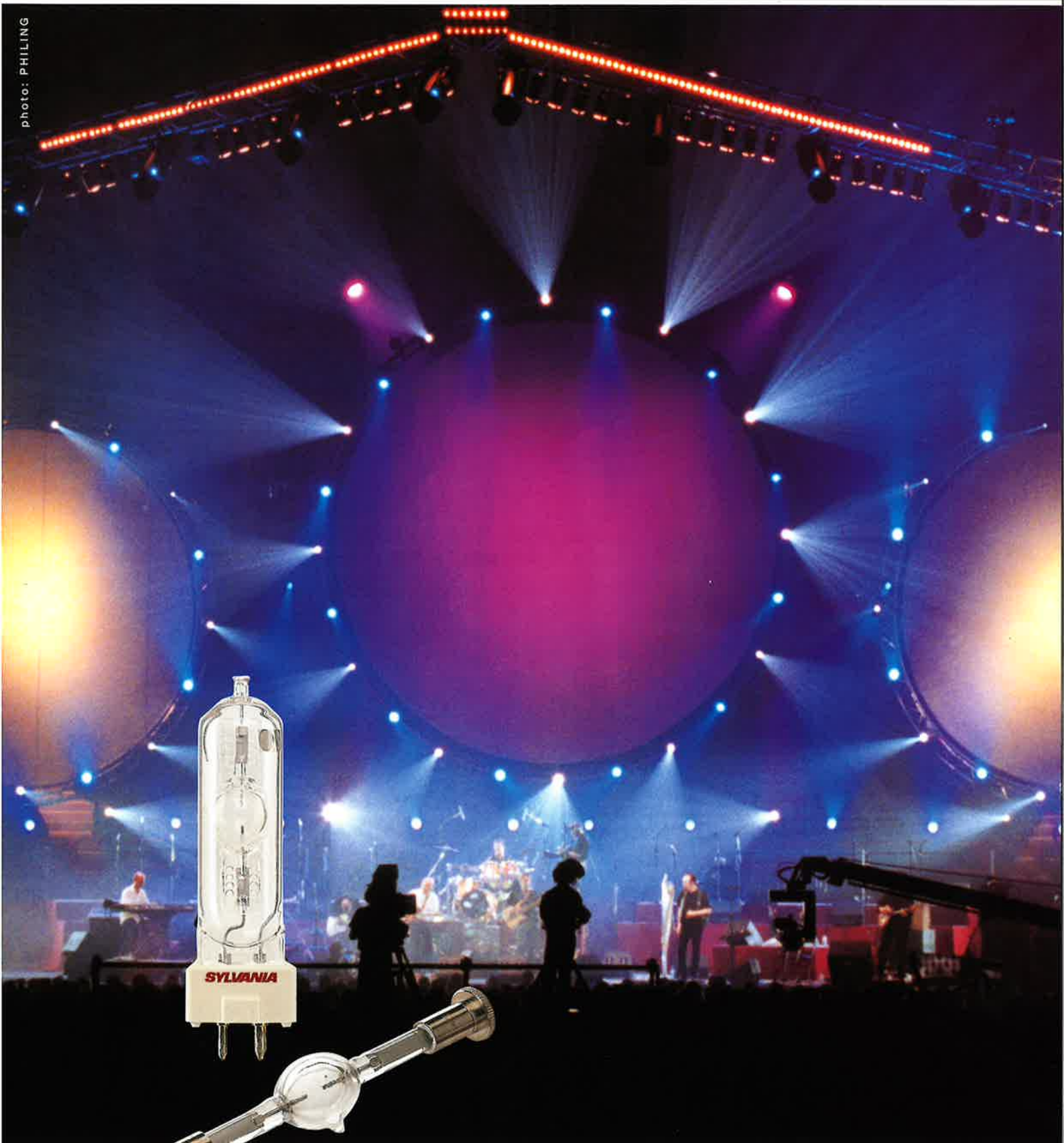


SYLVANIA

BRITEARC®

Professional lamps for leisure and entertainment

photo: PHILIPING



Sylvania. A source of inspiration.

BriteArc Discharge lamps

Sylvania BriteArc lamps are a family of high-pressure discharge light sources with a compact arc. They are metal halide lamps with excellent performance, specially designed for a wide variety of audio-visual applications. BriteArc lamps are filled with mercury and rare earth elements to obtain a high efficacy and a stable daylight color with a very good color rendering index. BriteArc lamps are available in Single Ended or Double Ended versions. They can be operated on an electronic power supply or on a magnetic ballast.



Photo: PAN-TILT

Features

- High Luminous Efficacy: energy saving, for the same light output 4x less energy is needed compared with tungsten halogen.
- Low Infrared: less heat radiation.
- Excellent Lumen Maintenance: less frequent lamp changing, effects stay brighter for a longer period with less change in colour appearance.
- Outstanding Colour Rendering Properties: bright, sparkling colours.
- Electrical Compatibility: operation from a readily available control gear.
- Universal Burning: can be mounted in any direction.
- Physical Ruggedness: usable in every location, suitable for moving heads.
- Hot Restrike: a hot restrike lamp ignites quickly at any time.

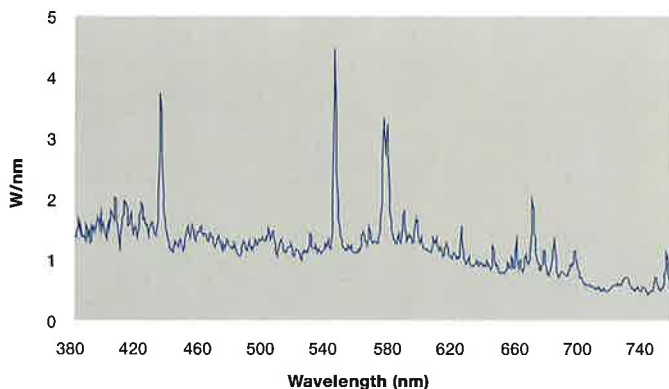
Applications

Some examples of applications for BriteArc lamps are:

- Filmmaking & High Speed Cinematography
- Television and Studio Lighting
- Follow-spots and Projectors for Theatres, Opera houses, Shows, Business Venues
- Production of Video Clips & Films, Advertising
- Electronic News Gathering
- Discotheque Effect Lighting
- Photography
- Solar Simulation
- Medical Applications
- Signalling, etc.

Instructions for use

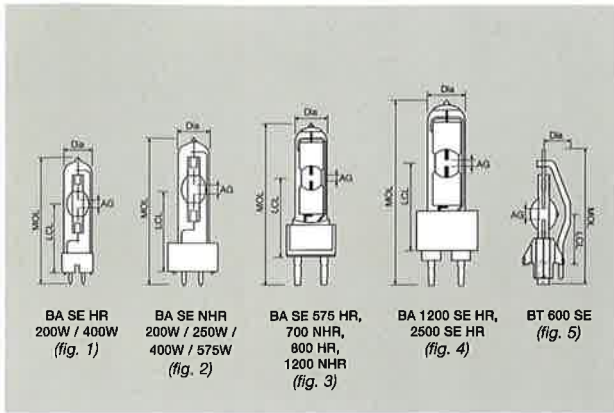
1. Do not touch the lamps with bare fingers to avoid marks on the glass.
2. Assure a good contact between the lamp base and lampholder when fitting the lamp into a luminaire.
3. Hot restrike lamps operate with a high starting voltage; it is essential to provide a good insulation.
4. Remove the lamps from the luminaires when transported over long distances. The packaging provided by Sylvania is an excellent protection against shock and vibration.
5. Since BriteArc lamps run at a high operating pressure and generate a considerable amount of UV radiation. Only operate them in properly designed enclosed fixtures. Never operate the lamps in a fixture without missing or broken lens cover.



Typical Spectral Power Distribution curve

The correlated colour temperature of 5600K for BriteArc lamps is remarkably similar to daylight. Since the spectrum of BriteArc lamps consists of many lines, the colour point of these lamps lies slightly above or below the blackbody locus.

BRITEARC® SINGLE ENDED



BriteArc Single Ended Hot Restrike lamps (BA SE HR)

BriteArc SE HR lamps are compact light sources, designed for optimum optical efficiency. They can be restruck at any time with a voltage peak from 25 to 55 kV. These lamps can be operated in any position.

BriteArc Single Ended Long Life lamps (BA SE D)

BriteArc SE D lamps are compact light sources with an average lamp life of 2000 hours with excellent light output and color stability. They can be restruck after about 10 minutes. These lamps can be operated in any position.

BriteArc Single Ended Non Hot Restrike lamps (BA SE NHR)

BriteArc SE NHR lamps are compact light sources, designed for optimum optical efficiency. They can be restruck after about 10 minutes. These lamps can be operated in any position.

Description	Power (Watts)	Voltage (Volts)	Current (Ampere)	Average Life (hrs)	Replace time (hrs)	Luminous Flux (lm)	CCT (K)	Dimensions				Ignition pulse (kV)	Fig. Nr.	Order Code
								AG (mm)	MOL (mm)	LCL (mm)	Dia (mm)			

BRITEARC® Single Ended - Hot restrike

BA 200 SE HR	200	70	3.30	200	450	15,000	5600	5	80	39	20	GZY9.5	25.0	1	23941
BA 400 SE HR	400	67	6.90	650	750	33,000	6200	6	110	60	23	GZZ9.5	25.0	1	23883
BA 575 SE HR	575	95	6.95	750	1000	49,000	5600	7	145	70	30	G22	25.0	3	23932
BT 600 SE HR	600	95	7.00	300	350	48,000	5300	5	84	35	16	FaX1.5	25.0	5	23965
NEW ! BA 800 SE HR	800	95	8.50	750	1000	65,000	5600	7	145	70	31	G22	25.0	3	23992
BA 1200 SE HR	1200	100	13.80	750	1000	110,000	5600	10	200	107	40	G38	50.0	4	23933
BA 2500 SE HR	2500	115	25.60	500	750	240,000	5600	14	225	127	60	G38	50.0	4	23934

BRITEARC® Single Ended - Not hot restrike

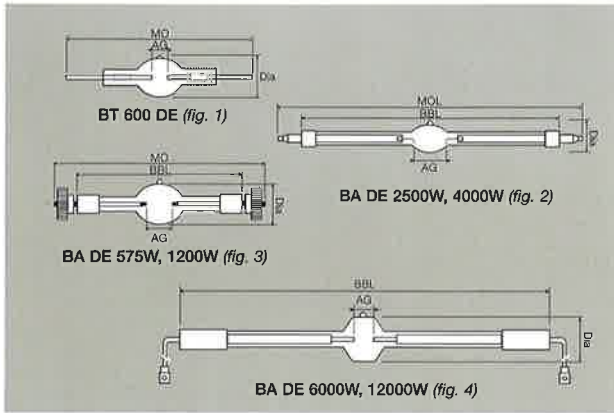
BA 400 SE NHR	400	67	6.90	650	750	33,000	6200	6	112	62	23	GX9.5	2.3	2	23958
BA 575 SE NHR	575	95	6.95	750	1000	49,000	5600	7	125	65	30	GX9.5	2.5	2	23960
BA 1200 SE NHR	1200	100	13.80	750	1000	110,000	5600	10	175	85	40	G22	2.5	3	23935

BRITEARC® Single Ended - Long life

NEW ! BA 200 SE D	200	70	3.30	2000	2300	13,700	5600	5	108	55	23	GY9.5	1.9	2	20168
NEW ! BA 250 SE D	250	100	2.90	2000	2300	18,800	5800	5	108	55	23	GY9.5	1.9	2	20169
NEW ! BA 575 SE D	575	95	6.95	2000	2500	49,000	5600	7	125	65	30	GX9.5	2.5	2	23981
NEW ! BA 700 SE D	700	72	11.00	2000	2500	56,000	5600	8	155	75	30	G22	3.0	3	23961

SE = SINGLE ENDED HR = HOT RESTRIKE NHR = NON HOT RESTRIKE D = LAMP WITH 2000 HRS AVERAGE LIFE

BRITEARC® DOUBLE ENDED



BriteArc Double Ended lamps (BA DE)

BriteArc DE lamps can be struck any time with a voltage peak from 25 to 55 kV. The BA 400, BA 575 and the BA 1200 DE can be operated in any position. For the BA 2500 DE the burning position is horizontal plus or minus 30 degrees, and for the higher wattages it is plus or minus 15 degrees.

Britespot lamps (BT)

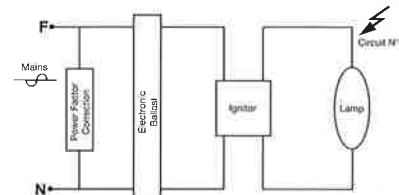
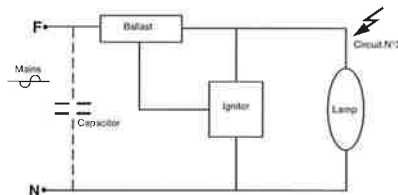
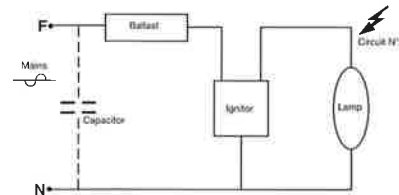
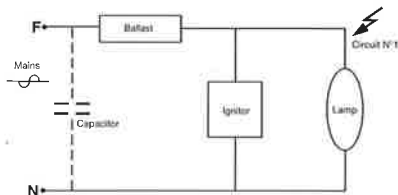
BT lamps are very compact high performance lamps, designed for the highest optical efficiency. They can be restruck any time with a voltage peak of 25 kV. These lamps can be operated in any position.

Description	Power (Watts)	Voltage (Volts)	Current (Ampere)	Average Life (hrs)	Replace time (hrs)	Luminous Flux (lm)	CCT (K)	Dimensions				Base	Fig. nr.	Order Code
								AG (mm)	MOL (mm)	BBL (mm)	Dia (mm)			

BRITEARC® Double Ended

BA 575 DE	575	95	7.0	750	1000	49,000	5600	7.0	136	115	21	SFc10-4	3	23921
BT 600 DE	600	95	7.0	300	350	48,000	5300	5.0	75	-	16	Mo pins	1	23966
BA 1200 DE	1200	100	13.8	750	1000	110,000	5600	10.0	220	180	28	SFa15.5-6	3	23922
BA 2500 DE	2500	115	25.6	500	750	240,000	5600	20.5	355	290	32	SFa21-12	2	23923
BA 4000 DE	4000	200	24.0	500	750	380,000	6000	34.0	405	340	40	SFa21-12	2	23924
BA 6000 DE	6000	123	55.0	350	450	570,000	6000	22.0	-	450	52	S25.5x60	4	23925
BA 12000 DE	12000	160	82.0	500	550	1,100,000	6000	32.0	-	470	65	S30x70	4	23927

Compatible circuits



Special Products Group has a policy of continued product development and the information contained in this data sheet may be changed, altered, withdrawn or modified without further notice. Whilst every care has been taken in preparing this document, no responsibility can be accepted for any error contained.

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