

# SYLVANIA

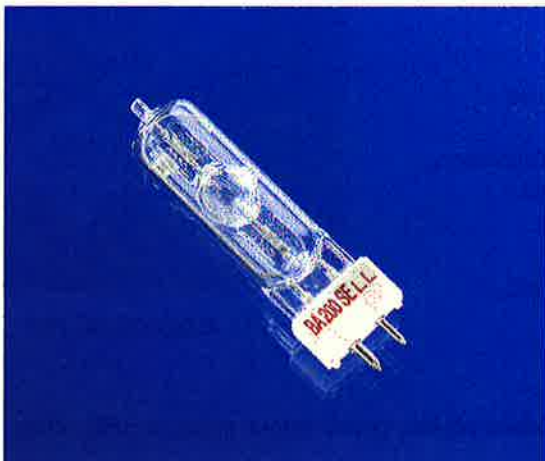
## BriteArc Single Ended

### Arc Discharge lamps

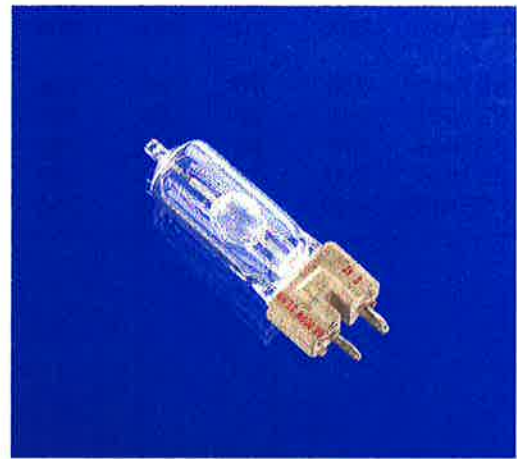
Sylvania BriteArc lamps are a family of high intensity arc discharge light sources. They are metal halide lamps with excellent performance specially designed for a wide variety of applications.

#### BriteArc Single Ended

The BriteArc lamp is basically a medium arc length discharge source with an inert gas, mercury, and metal additive atmosphere. Axial tungsten electrodes are encapsulated in a fused silica envelope of linear "bulge" tube double ended design to provide a cylindrical or ellipsoidal arc tube. For this version the capsule is adapted to a single ended base. They are provided with an outer quartz jacket which creates defined conditions for the discharge tube which cannot be affected by external factors. These compact lamps are easy to handle and can be used in small conventional spotlight systems.



BA200W SE 2000hrs



BA200W SE HR

Some of the features of these lamps are :

#### High luminous efficacy

Energy saving, for the same light output 4x less energy is needed compared with tungsten halogen.

#### Low infrared

Less heat dissipation

#### Excellent lumen maintenance

Less frequent lamp changing, effects stay brighter for a longer period, 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 every direction

#### Physical ruggedness

Usable in every location, suitable for moving effects.

#### Hot restrike

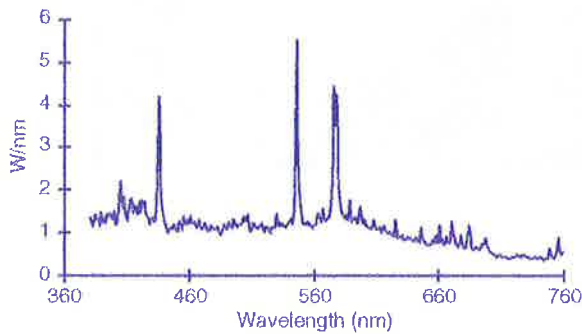
A hot restrike lamp ignites at any moment in time without delay.

**SYLVANIA**

Special Products Group

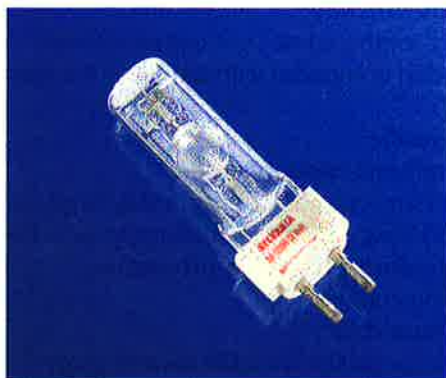
# BriteArc Single Ended

Description	Watts	Volts	Amps	Average Life-hrs	Replace Time-hrs	Lumens	CCT K	M.O.L. mm	LCL mm	Dia mm	Base	Order Code
BA200 SE HR	200	70	3.3	200	450	15000	5600	80	39	20	GZY9.5	23941
BA200 SE 2000	200	70	3.3	2000	2300	13700	5600	108	55	23	GY9.5	20168
BA400 SE HR	400	67	6.9	500	650	33000	5600	110	60	23	GZZ9.5	23883
BA575 SE HR	575	95	6.95	750	1000	49000	5600	145	70	30	G22	23932
BA1200 SE HR	1200	100	13.8	750	1000	110000	5600	200	107	40	G38	23933
BA2500 SE HR	2500	115	25.6	500	750	240000	5600	225	127	60	G38	23934
BA200 SE NHR	200	70	3.3	200	450	15000	5600	80	39	20	GZY9.5	23942
BA400 SE NHR	400	67	6.9	500	650	33000	5600	112	62	23	GX9.5	23958
BA575 SE NHR	575	95	6.95	750	1000	49000	5600	125	65	30	GX9.5	23960
BA700 SE NHR	700	72	11.0	750	1000	56000	5600	155	75	30	G22	23961
BA1200 SE NHR	1200	100	13.8	750	1000	110000	5600	175	85	40	G22	23935



The Spectral Power Distribution of 5600K BriteArc lamps is remarkably similar to daylight.

Since the spectrum of BriteArc lamps consists of many lines, the colour rendering index of these lamps lies slightly above or below the blackbody.



**BA1200 SE NHR**

## Burning Position

Universal for all types.

## Applications

Studio, Theatre, Television,  
Video, Disco  
Medical  
Signal  
Projection, etc.



**BA2500 SE HR**

If you would like more information or a visit from an engineer, please contact your nearest SPG office.

# SYLVANIA

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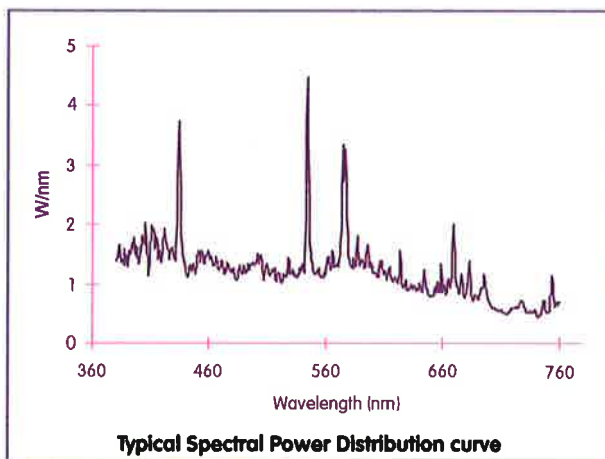
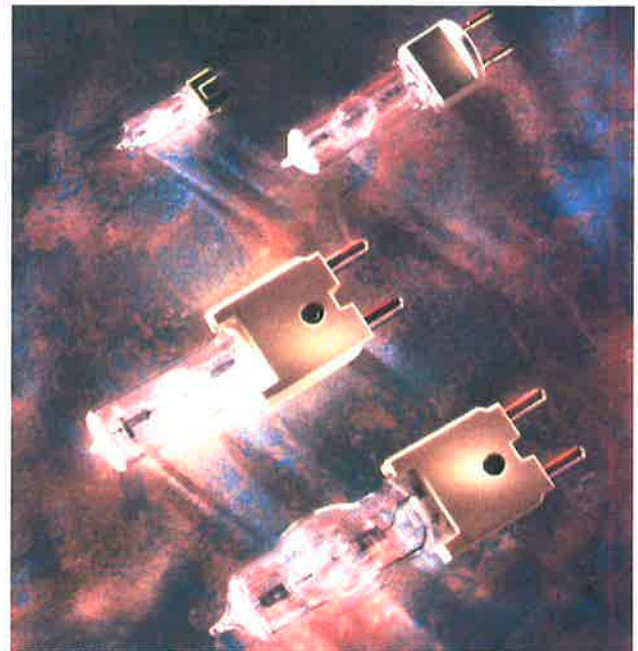
## Single Ended Arc Discharge Lamps

### Arc Discharge Lamps

S.L.I. Arc Discharge lamps are a family of high intensity metal halide light sources with excellent performance specially designed for a wide variety of applications.

### Single Ended Arc Discharge

The Single Ended Arc Discharge lamp is basically a medium arc length discharge source with an inert gas, mercury, and metal additive atmosphere. Axial tungsten electrodes are encapsulated in a fused silica envelope of a linear "bulge" tube double ended design to provide a cylindrical or ellipsoidal arc tube. For the single ended version the capsule is adapted to a single ended base. They are provided with an outer quartz jacket which creates defined conditions for the discharge tube which cannot be affected by external factors. These compact lamps are easy to handle and can be used in small conventional spotlight systems.



Typical Spectral Power Distribution curve

The Spectral Power Distribution of 5600K Arc Discharge lamps is remarkably similar to daylight. Since the spectrum consists of many lines, the colour rendering index of these lamps lies slightly above or below the blackbody.

Some of the features of these lamps are :

#### High Luminous Efficacy

Energy saving, for the same light output 4x less energy is needed compared with tungsten halogen.

#### Low Infrared

Less heat dissipation.

#### Excellent Lumen Maintenance

Less frequent lamp changing, effects stay brighter for a longer period, 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 every direction.

#### Physical Ruggedness

Usable in every location, suitable for moving effects.

#### Hot Restrike

A hot restrike lamp ignites at any moment in time.

# Single Ended Arc Discharge Lamps

Description	Watts	Volts	Ampere	Average Life (hrs)	Replace time-hrs	Luminous Flux	CCT K	MOL (mm)	LCL (mm)	Dia (mm)	Base	Order Code
BA200 SE HR	200	70	3.3	200	450	15,000	5600	80	39	20	GZY9.5	23956
BA400 SE HR	400	67	6.9	650	750	33,000	5600	110	60	23	GZZ9.5	23904
BA575 SE HR	575	95	6.95	750	1000	49,000	5600	145	70	30	G22	23939
BA1200 SE HR	1200	100	13.8	750	1000	110,000	5600	200	107	40	G38	23949
BA2500 SE HR	2500	115	25.6	500	750	240,000	5600	225	127	60	G38	23951
BA200 SE 2000	200	70	3.3	2000	2300	13,700	5600	108	55	23	GY9.5	20170
BA400 SE NHR	400	67	6.9	650	750	33,000	5600	112	62	23	GX9.5	23974
BA575 SE NHR	575	95	6.95	750	1000	49,000	5600	125	65	30	GX9.5	24525
BA700 SE NHR	700	72	11.0	750	1000	56,000	5600	155	75	30	G22	23944
BA1200 SE NHR	1200	100	13.8	750	1000	110,000	5600	175	85	40	G22	23950



**BA200 SE HR**



**BA200 SE 2000Hrs**



**BA1200 SE NHR**



**BA2500 SE HR**

## Applications

Some examples of applications for Single Ended Arc Discharge lamps are :

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

## Handling Instructions

In order to have reliable service from our Arc Discharge range, please observe some important rules.

1. Do not touch the lamps with bare fingers to avoid marks on the glass.
2. Assure good contact between the lamp base and lampholder when fitting the lamp into a luminaire.
3. Hot restrike lamps operate on 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 S.L.I. is an excellent protection against shock and vibrations.

If you would like more information or a visit from an engineer, please contact your nearest SPG office.

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