



A. E. I. LAMP & LIGHTING CO. LTD

SfF₁ (64)

UDC 621.327.534.25

TUNGSTEN FILAMENT PROJECTOR LAMPS CLASS 'G'

(Preferred Types)

GENERAL DESCRIPTION

Class G Projector Lamps consist essentially of a coiled Tungsten filament of concentrated form enclosed in a glass bulb and operating in an atmosphere of inert gas. They are specially designed to meet the requirements of sound reproduction equipment.

The principal features of these lamps include:

- a highly concentrated light source
- high light output
- small physical dimensions
- robust construction
- anti-microphonic design.

The lamps detailed in this Data Sheet are those included in the current issue of BS1015 with which they are made to comply strictly.

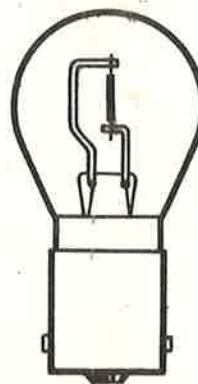
For details of lamps not covered by BS see Data Sheet 84-201.

STANDARD RATINGS AND TYPES

Amps	Volts	Cap	Lamp Ref No	AEI Product No	BS Ref No
0.75	4	P15s	G/1	84-5611	EL10A
0.75	4	B15s	G/19	84-5614	EL11
0.75	4	P15s	G/27	84-5615	EL12A
0.75	4	P15s	G/29	84-5616	EL13A
1	6	B15s	G/4	84-5921	EL9
1	6	P15s	G/5	84-5922	EL14A
4	8	B15s	G/8	84-6802	EL1
5	10	P15s	G/10	84-7151	EL5A
5	10	B15s	G/12	84-7153	EL5
6	4	B15s	G/22	84-7406	EL15

APPLICATIONS

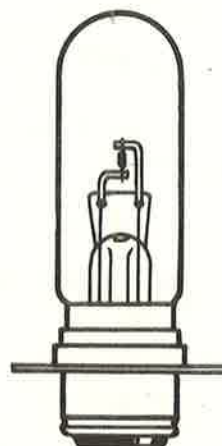
For use in sound film equipment. Also suitable for use in various optical systems.



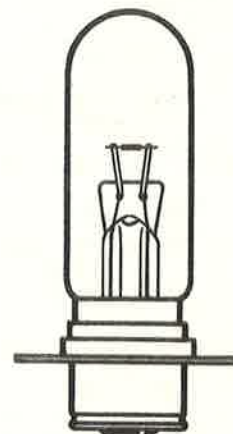
Axial Filament
EL15 4V 0.75amp SCC



Transverse Filament
EL11 4V 0.75amp SCC

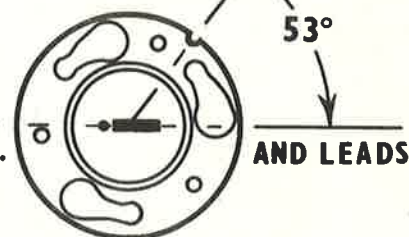


Axial Filament
EL12A 4V 0.75amp APF



Transverse Filament
EL13A 4V 0.75amp APF

VERTICAL
PLANE OF FILT.



Plan view of prefocus cap, through bulb, cap down

PHYSICAL AND ELECTRICAL CHARACTERISTICS

BS Ref No	Lamp Ref No	AEI Product No	Amps	Volts	Dimensions (mm)			Nom Lumens	Objective Life (hrs)	Filament Formation	Cap
					Dia ± 1	Overall Length ± 3	LCL				
EL1	G/8	84-6802	4	8	25	75	44 ± 1	640	100	S/C Trans	SCC B15s
EL5	G/12	84-7153	5	10	25	75	44 ± 1	1100	100	S/C Trans	SCC B15s
EL5A	G/10	84-7151	5	10	25	75	37.3 ± 0.5	1100	100	S/C Trans	APF P15s
EL7	G/15	84-8003	7.5	10	25	75	44 ± 1	1762	100	S/C Trans	SCC B15s
EL9	G/4	84-5921	1	6	18	40 ± 2	21.5 ± 0.5	72	100	S/C Axial	SCC B15s
EL10A	G/1	84-5611	0.75	4	25	48	28.5 ± 0.25	33	50	S/C Trans	APF P15s
EL11	G/19	84-5614	0.75	4	15	48	31.75 ± 0.75	33	50	S/C Trans	SCC B15s
EL12A	G/27	84-5615	0.75	4	16	57	28.5 ± 0.5	33	50	S/C Axial	APF P15s
EL13A	G/29	84-5616	0.75	4	16	57	28.5 ± 0.25	33	50	S/C Trans	APF P15s
EL14A	G/5	84-5922	1	6	16	57	28.5 ± 0.5	72	100	S/C Axial	APF P15s
EL15	G/22	84-7406	6	4	25	49	31.5 ± 1	288	100	S/C Axial	SCCB15s

OPERATING POSITION

EL1, 5, 5A, 7, 10A, 11 and 13A are designed to give optimum performance in the vertical cap down position.

EL9, 12A, 14A and 15 are designed to give optimum performance when operated horizontally with the filament above the filament support frame.

OPERATING CONDITIONS

Owing to the high filament temperature at which these lamps are designed to operate, it is important that the voltage supply does not exceed the voltage marked on the lamp. Failure to observe this precaution will have an adverse effect on lamp life.

The lamp should not be knocked or vibrated during operation.

The company reserve the right to change without notice the design or the specification of equipment included in this Publication and supplied by them.