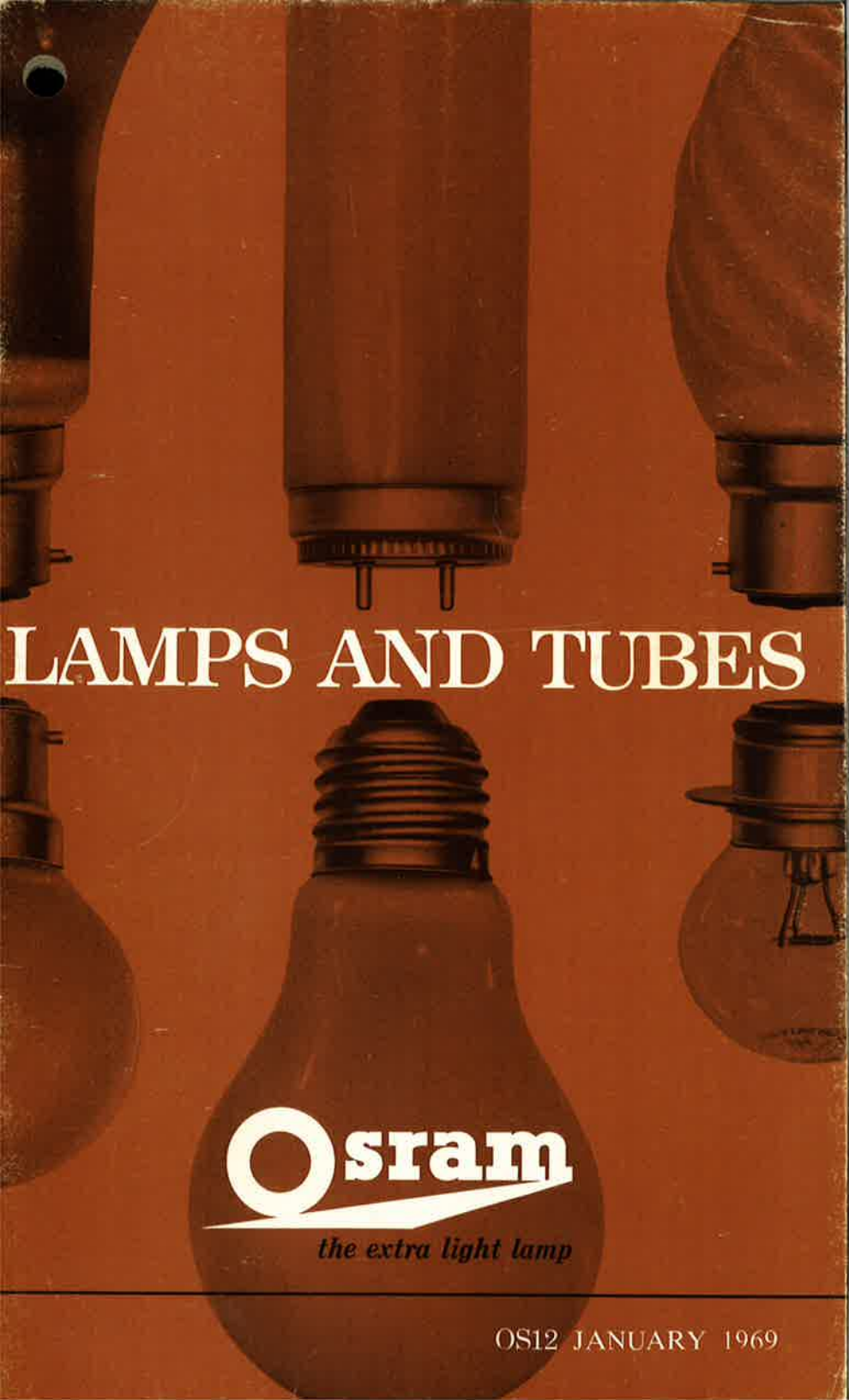




LAMPS AND TUBES

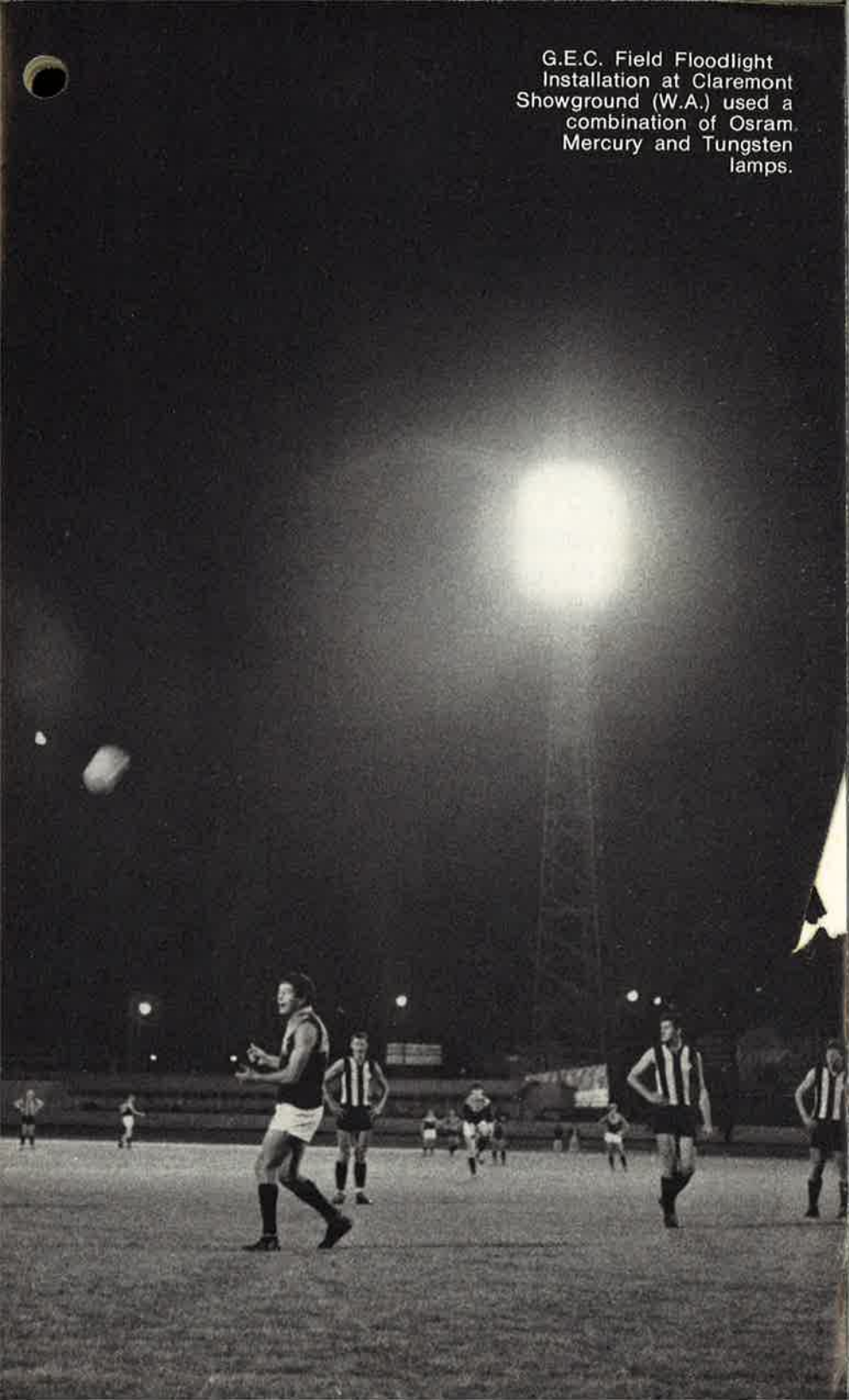
Osram

the extra light lamp

OS12 JANUARY 1969



G.E.C. Field Floodlight
Installation at Claremont
Showground (W.A.) used a
combination of Osram
Mercury and Tungsten
lamps.



Osram Lamps

This compact multi-purpose OS12 Osram Lamp Catalogue lists and describes those lamps in popular demand in Australia.

The OS12 Catalogue does not attempt to list the many thousands of lamp types available from GEC-AEI or Osram Agents throughout Australia. New types of lamps are being introduced and improvements to existing lamp types are constantly being made, thus the range of lamps is too vast to cover in this publication. Selection of the right lamp for the particular application is now more essential. Should you not find the particular type of lamp which you are seeking, please contact your closest Osram distributor who is qualified to advise no matter what your lamp requirements.

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Operating Characteristics—Osram Incandescent Lamps

Lamps are designed to operate on stated voltages and performance will vary as follows:—

- (1) Voltage higher than lamp rating—light output will increase; lamp life will be reduced.
- (2) Voltage lower than lamp rating—light output will decrease; lamp life will increase.

The extent of voltage variation on light output and life is shown below.

OSRAM LAMPS AND TUBES

The reputation for quality enjoyed by Osram lamps and tubes springs from the rigid controls that are imposed at every stage of their manufacture. Electrical, mechanical and chemical tests are carried out on materials and components, as well as on finished lamps, to ensure the highest possible light output consistent with good life. Batch tests on Osram lamps and tubes before they leave the works ensure that they operate at the correct rating. Where there is a relevant British Standard, Osram lamps and tubes not only meet it, but frequently give a performance appreciably higher than that demanded. Where there is no British Standard, the Company adheres to specifications that represent the highest possible standards of performance.

Bulb Finish: G.L.S. lamps are normally obtainable in three classes of finish: Clear, pearl or inside silica coated.

Clear Bulbs: These have a smooth inside and outside surface and absorb the least possible quantity of light. Clear lamps are normally used in lighting fittings where the enclosing medium will conceal the brilliant lamp filament.

Pearl Bulbs: The inside surface of the envelope undergoes two internal acid spraying processes which form countless minute prisms. Each prism refracts the light.

Inside Silica Coated (Silverlight) Bulbs: A thin coat of silica on the interior of the bulb achieves an almost complete diffusion of light. The loss of light is approximately 5% compared with a clear lamp. Coloured lamps are also produced by this process by including a colouring agent.

HOW TO ORDER

To avoid delays and mistakes in delivery, the following information should be stated. Lamps should be ordered by complete specifications, including volts, watts, finish and service. In certain instances, bulb size, overall length and light centre length should also be given.

Order in standard package quantities whenever possible.

NOTE: Samples should be forwarded if the above information is not available.

SCHEDULE OF STANDARD PACKAGES

The order of Osram lamps in standard packages is strongly recommended as it expedites delivery and reduces transit breakages. All lamps are stocked ready packed in the quantities shown in the accompanying schedule, so that they can be despatched at a moment's notice.

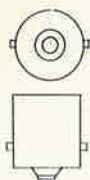
Type	Watts	Pack	Type	Watts	Pack
General	15	144	Candles, Plain	25, 40	144
Lighting	25	144	twisted	25, 40	144
Service	40	144	torch	25, 40	144
	60	144	Tubular T18	15	200
	75	144	T22	25	200
	100	144	T28	25	72
	150	72	Fluorescent	15	25
	200	72		20	25
	300	32		30	25
	500	24		40 (24")	25
	750	32		40 (48")	25
	1,000	12		80 BC	25
	1,500	6		80 Bi-pin	25
Fancy Round	25, 40	144		90	12
Pilots	15	200		125	12

PRICES

Except where otherwise indicated, the prices of Osram Lamps shown on the following pages are retail prices.

DIMENSIONS

Dimensions shown on subsequent pages for other types are nominal and will of course be subject to the usual manufacturing tolerances in accordance with the relevant B.S.I. specifications.



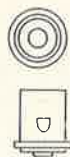
Small Bayonet Cap
(S.C.C.) B A 15s



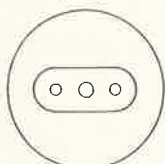
Small Bayonet Cap
(S.B.C.) B A 15d



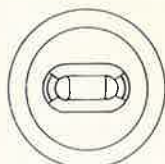
Round peg type



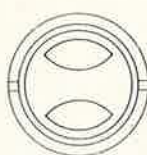
Midget Flange S6/8



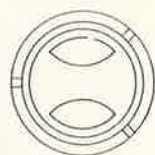
Medium Bi-pin



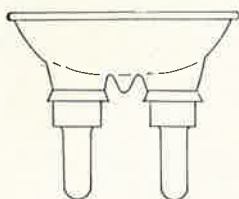
R.D.C.



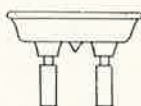
Bayonet Cap
(B.C.) B 22



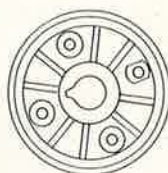
Bayonet Cap 3-pin
B 22



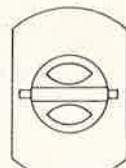
Large Bi-post



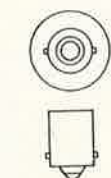
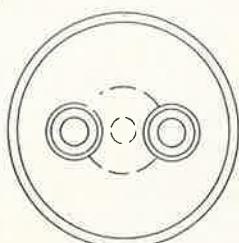
Medium Bi-post



4-pin base G17q



Sodium Bayonet Cap
B 22



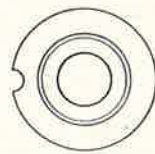
Miniature Centre
Contact B A 9s



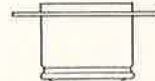
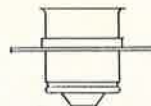
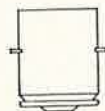
Bosch B A 20s



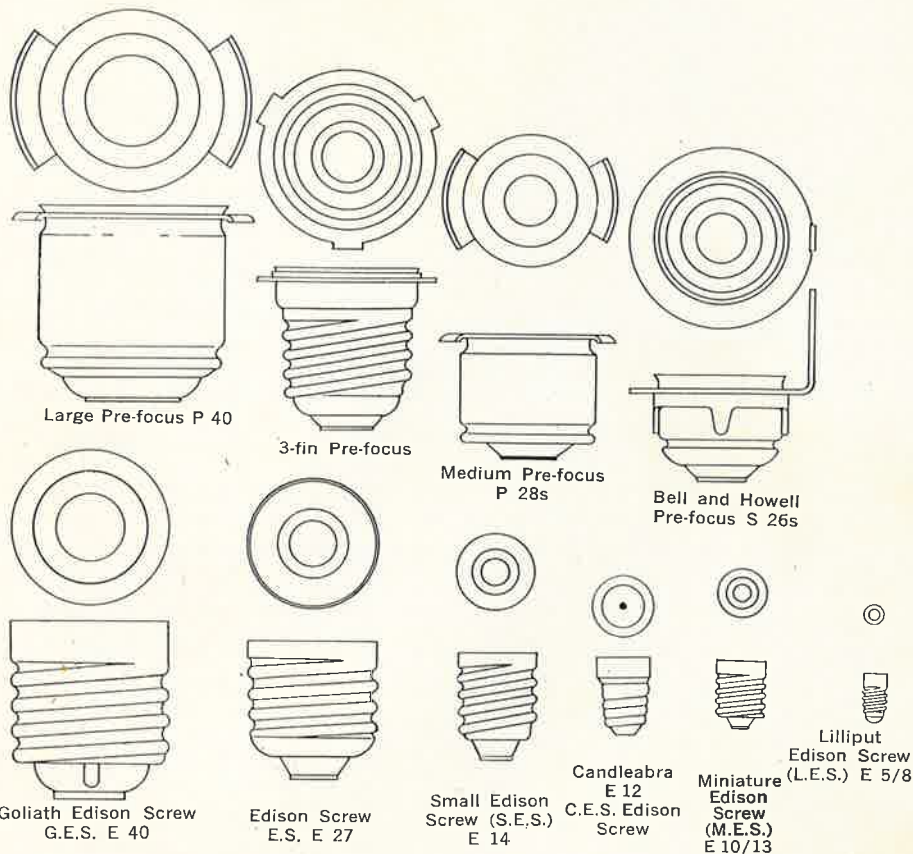
Small Pre-focus
P 15s



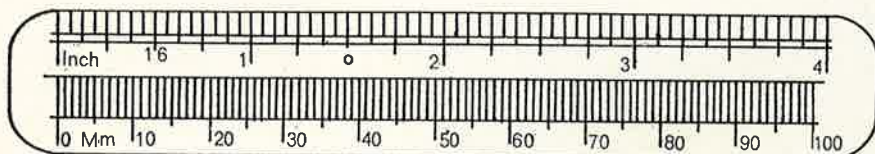
British Pre-focus
P 22s



STANDARD CAPS. The illustrations show the standard types of lamp caps fitted to lamps, together with the names by which they are known. The letters in brackets are the abbreviations used for these names throughout this catalogue, and underneath are the international cap designations.

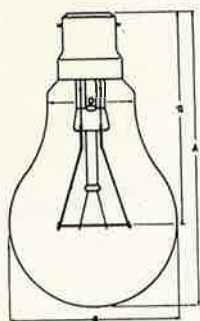


CONVERSION RULE

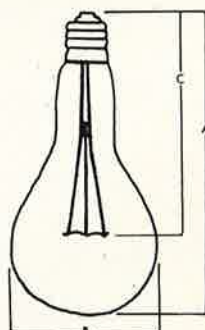


GENERAL LIGHTING SERVICE LAMPS

TECHNICAL DETAILS



Dimensional diagram 15-150 watts



Dimensional diagram 200-1500 watts

DIMENSIONS AND LIGHT OUTPUT

			LENGTH A		BULB DIAMETER B		CAP CONTACT TO FILAMENT CENTRE C		NECK DIAMETER D	
RATED VOLTS	RATED WATTS	INITIAL LUMENS	± mm.	3 1/8 mm. ins.	± mm.	1 mm. ins.	± mm.	3 mm. ins.	± mm.	1 mm. ins.
VACUUM S/C										
*200/250	15	120	105	4-1/5	60	2-3/8	73	3	33	1-5/16
SINGLE COIL										
240	500	8,300	233±7	9-1/8	110±1.5	4-5/16	178±4	7	50	1-15/16
250	500	8,200								
240	750	13,120	267±8	10-1/2	130±1.5	5-1/8	202±4	7-15/16	52	2
250	750	13,120								
240	1,000	18,400	269±8	13-1/8	130±1.5	5-1/8	202±4	7-15/16	52	2
250	1,000	18,400								
240	1,500	29,500	335±9		170±1.5	6-11/16	250±8	9-13/16	60	2-3/8
250	1,500	29,500								
HIGH EFFICIENCY										
240/250	25	225	105	4-1/5	60	2-3/8	75	3	33	1-5/16
240/250	40	420	105		60		75			
240/250	60	705	105		60		75			
240/250	75	940	105		60		75			
240/250	100	1,360	105		60		75			
240/250	150	2,180	160±4.5	6-1/4	80	3-1/8	120±3.5	4-3/4	39	1-1/2
240/250	200	3,090	160±4.5	6-1/4	80		125.5±4	4-15/16	39	1-1/2
240/250	300	5,020	184±5	7-1/16	90	3-17/32	139±4	5-1/2	41	1-5/8
REINF. CONST.										
*240	60	520	105	4-1/5	60	2-3/8	75	3	33	1-5/16
*250	60	510								
240	100	1,010	120	4-3/4	70	2-3/4	85	3-3/8	37	1-15/32
250	100	1,000								
240	150	1,660	160±4.5	6-1/4	80	3-1/8	120±3.5	4-3/4	39	1-1/2
250	150	1,650								
240	200	2,460	168.5±5.5	6-9/16	80		128±4	5-1/32	39	1-1/2
250	200	2,440								
240	300	4,110	233±7	9-1/8	110	4-5/16	178±6	7	50	1-15/16
250	300	4,080								
240	500	7,650	267±8	10-1/2	130	5/8	202±7	7-15/16	52	2
250	500	7,650								

*These lamps are vacuum. Remainder gas-filled.



GENERAL LIGHTING SERVICE

Osram filament lamps are designed to produce maximum light with economic life. Standards to which general lighting service lamps are manufactured are established in British Standard Specification No. 161 and all Osram lamps more than comply with these standards where such apply.

HIGH EFFICIENCY LAMPS

Volts	Watts	Cap.	Price \$	Sales Tax
110, 240/250	25	BC or ES	0.23	A
260	25	BC or ES	0.24	A
*110, 240/250	40	BC or ES	0.23	A
260	40	BC or ES	0.24	A
*110, 240/250	60	BC or ES	0.23	A
260	60	BC or ES	0.24	A
*110, 240/250	75	BC or ES	0.28	A
260	75	BC or ES	0.29	A
*110, 240/250	100	BC or ES	0.28	A
260	100	BC or ES	0.29	A
110, 240/250	150	BC or ES	0.40	A
260	150	BC or ES	0.42	A
*110, 240/250	200	BC or ES	0.52	A
260	200	BC or ES	0.54	A
*110, 240/250	200	GES	0.63	A
260	200	GES	0.65	A
*240/250	300	BC or ES	1.33	A
260	300	BC or ES	1.35	A
*240/250	300	GES	1.22	A
260	300	GES	1.25	A

* Also available in 220/230 V.

SINGLE COIL LAMPS

Volts	Watts	Cap.	Price \$	Sales Tax
24/75	15	BC or ES	0.32	A
110/250	15	BC or ES	0.23	A
24/95	25	BC or ES	0.32	A
24/95	40	BC or ES	0.32	A
24/95	60	BC or ES	0.32	A
24/95	75	BC or ES	0.40	A
24/95	100	BC or ES	0.40	A
32	150	BC or ES	0.55	A
32	200	BC or ES	1.10	A
32	200	GES	1.10	A
32	300	GES	2.00	A
32	500	GES	3.60	A
110/250	500	GES	1.50	A
260	500	GES	1.55	A
110/250	750	GES	2.55	A
260	750	GES	2.60	A
110/250	1,000	GES	2.70	A
260	1,000	GES	2.75	A
110/250	1,500	GES	4.50	A
260	1,500	GES	4.60	A

Above lamps are gas-filled except 15 W. 110/250 V. which are vacuum.

LOW VOLTAGE LAMPS

Volts	Watts	Cap.	Clear \$ or Pearl \$	Sales Tax
6 or 12	15	BC or ES	0.32	A
6 or 12	25	BC or ES	0.32	A
6 or 12	40	BC or ES	0.32	A
12	60	BC or ES	0.32	A

For dimensions, see General Lighting Service, Page 8.

Sales Tax A = 2½% (No Supplementary Discount)



SILVERLIGHT LAMPS

By means of a special process, the inside of the lamp is sprayed with minute particles of Titanium-Dioxide, which greatly increase the diffusion, but have very little light absorption. These lamps are ideal for all positions where the bulb is wholly or partially visible, or where extra diffusion is required:

Volts	Watts	Cap.	Price \$	Sales Tax
240/250	40	BC	0.26	A
240/250	60	BC	0.27	A
240/250	100	BC	0.30	A
240/250	150	BC	0.45	A

FILTA-LITE LAMPS

(Silverlight Mushroom)

The Filta-lite lamp is a completely new look in lamp design being mushroom shaped in appearance. They are also smaller in bulb size than the normal GLS lamps.

Volts	Watts	Cap.	Length mm.	Dia. mm.	Price \$	Sales Tax
240/250	40	BC	93	55	0.28	A
240/250	60	BC	93	55	0.29	A
240/250	100	BC	107	65	0.37	A
240/250	150	BC	120	75	0.49	A

PINK PEARL LAMPS

The pink pearl lamps provide soft, restful lighting for homes, hotels, restaurants, etc. The tinting process leaves a smooth surface, readily cleaned.

Volts	Watts	Cap.	Price \$	Sales Tax
240/250	60	BC	0.27	A
240/250	100	BC	0.30	A
240/250	150	BC	0.45	A

DAYLIGHT LAMPS

Osram Daylight lamps have special blue glass bulbs which produce a light corresponding closely to daylight, making them very useful for lighting purposes where colour discrimination is important. When substituting daylight lamps for standard lamps, it generally will be found necessary to use lamps of a higher wattage to compensate for the light absorbed by the blue glass.

Volts	Watts	Cap.	Price \$	Sales Tax
240/250	60	BC or ES	0.75	A
240/250	100	BC or ES	0.85	A

COLOURED LAMPS

Internally and externally sprayed.

Are an ideal means of obtaining lighting effects in the home, theatre, ballroom, hotel, restaurant, etc. The internally sprayed lamps ensure that the colours remain permanent and therefore are recommended for outside installations.

Volts	Watts	Cap.	Internally Sprayed Price \$	Externally Glazed Price \$	Sales Tax
240/250	15	BC or ES	0.35		A
240/250	25	BC or ES	0.35		A
240/250	40	BC or ES	0.35		A
200/250	60	BC or ES		0.36	A
200/250	100	BC or ES		0.41	A

INTERNALLY SPRAYED COLOURS: Red, blue, green, orange, yellow.

EXTERNALLY GLAZED COLOURS: Red, blue, green, yellow, pink, flame and amber.

LAMP STAIN

A quick drying stain for colouring lamps up to 40W.

Available in 1 pint bottles in red, green, blue and amber. Price on application.

Sales Tax A = 2½% (No Supplementary Discount)



FANCY ROUND LAMPS

For use in contemporary wall brackets, bed lamps, etc., where a decorative lamp smaller than the standard gas-filled lamp is required.

Volts	Watts	Cap.	Length mm.	Dia. mm.	Price Clear or Pearl \$	Price Silverlight (White) \$	Sales Tax
110/250	15	BC, ES, SBC	70	45	0.32		A
32	25	BC	70	45	0.32		A
110/260	25	BC, ES SBC, SES	70	45	0.32	0.40	A
210/260	40	BC, ES SBC, SES	73	50	0.32	0.40	A

OVEN LAMPS

Special hard glass and other components to withstand heat when used in ovens.

Volts	Watts	Cap.	Finish	Price \$	Sales Tax
*240/250	15	BC or ES	Clear or Pearl	0.41	B
*240/250	25	BC or ES	Clear or Pearl	0.41	B
240/250	40	BC or ES	Clear or Pearl	0.36	B
240/250	60	BC or ES	Clear or Pearl	0.37	B
240/250	100	BC or ES	Clear or Pearl	0.41	B

*Fancy Round Bulb.

For dimensions, refer General Lighting Service, Page 8.

ELECTRIC FIRE LAMPS

These lamps are a varnished lamp and give the well-known glow to the Berry electric fire.

Volts	Watts	Cap.	Price \$	Sales Tax
240/250	60	3 pin BC	1.20	A
240/250	60	2 prong	1.20	A
240/250	60	BC	1.20	A

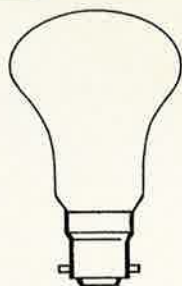
REINFORCED CONSTRUCTION LAMPS

In position where there is considerable vibrations, or where the lamp is subject to mechanical shock (such as in workshops' inspection lamps), the OSRAM reinforced construction lamp which has a very robust filament should be employed.

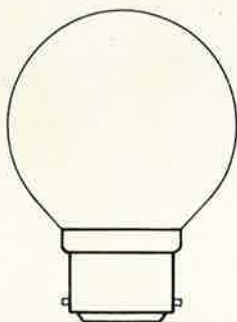
Volts	Watts	Cap.	Length mm.	Dia. mm.	Clear or Pearl \$	Sales Tax
32	40	BC or ES	110	65	0.41	B
32	60	BC or ES	110	65	0.41	B
110/250	25	BC or ES	100	60	0.31	B
260	25	BC or ES	100	60	0.32	B
110/250	40	BC or ES	110	65	0.28	B
260	40	BC or ES	110	65	0.29	B
110/250	60	BC or ES	110	65	0.28	B
260	60	BC or ES	110	65	0.29	B
220/250	100	BC or ES	125	68	0.36	B
260	100	BC or ES	125	68	0.37	B
220/250	150	BC or ES	160	80	0.59	B
260	150	BC or ES	160	80	0.61	B
220/250	200	BC or ES	170	80	0.65	B
260	200	BC or ES	170	80	0.67	B
220/250	200	GES	170	80	0.77	B
260	200	GES	170	80	0.79	B
220/250	300	BC or ES	233	110	1.53	B
260	300	BC or ES	233	110	1.59	B
220/250	300	GES	233	110	1.43	B
260	300	GES	233	110	1.47	B
220/250	500	GES	267	130	1.79	B
260	500	GES	267	130	1.84	B

Sales Tax B = 15% (Supplementary Discount 6%)

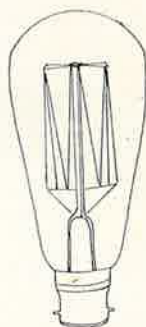
Sales Tax A = 2½% (No Supplementary Discount)



Filta-Lite



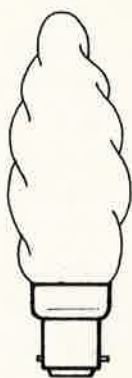
Fancy Round



Navigation



Plain
Candle



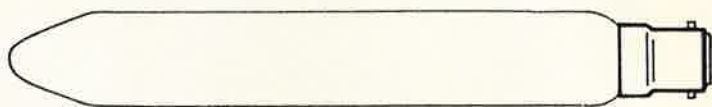
Twisted
Candle



Torch
Candle



T28 3"
Tubular



12"
Opal
Tubular

CANDLE LAMPS

Candle lamps are used extensively in contemporary and period wall brackets, pendants, etc., and are available in several shapes and finishes.

PLAIN

Volts	Watts	Cap.	Length mm.	Dia. mm.	Clear or Pearl \$	*Coloured \$	Sales Tax
32	25	BC, SBC	97	38	0.40		A
240/250	25	BC, SBC, SES, ES	97	38	0.40	0.45	A
240/250	40	BC, SBC, SES, ES	97	38	0.40	0.45	A
240/250	60	BC	124	45	0.84	0.90	A

TWISTED

240/250	25	BC, SBC, SES, ES	97	38	0.50		A
240/250	40	BC, SBC, SES, ES	97	38	0.50		A
240/250	60	BC	141	55	1.00		A

TORCH

240/250	25	BC, ES	107	48	0.52	0.58	A
240/250	40	BC, ES	107	48	0.52	0.58	A

*Coloured candle lamps available in white and flame.

TUBULAR LAMPS

For use in restricted space such as small show-cases, edge lighting signs, etc.

Volts	Watts	Cap.	Bulb	Length mm.	Length Ins.	Dia. mm.	Dia. Ins.	Clear or Pearl \$	Sales Tax
110/250	15	SBC, CES, SES	T18	63	2½	18	¾	0.45	A
110/250	15	BC, ES, SBC, SES	T28	72	3	28	1½	0.45	A
†110/250	25	SBC, SES	T22	67	2½	22	¾	0.45	A
			(Long Type)						
†110/250	25	SBC, SES	T22	53	2	22	¾	0.45	A
			(Short Type)						
25/260	25	BC, SBC, ES, SES	T28	72	3	28	1½	0.45	A
220/260	25	BC, SBC, ES, SES	T28	99	4	25	1	0.45	A
			(Long Type)						
220/260	40	BC, SBC, ES, SES	T28	99	4	25	1	0.45	A
			(Long Type)						
*240/250	25	SBC	T22	67	2½	22	¾	0.45	A

*Vacuum Cleaner Tubular Type made in England.

†Sewing Machine Tubular Type.

OPAL TUBULAR LAMPS

Because of the opal glass, this lamp gives a very soft, pleasant light and is suited to modern bedlamps and decorative brackets.

Volts	Watts	Cap.	Length Ins.	Length mm.	Dia. Ins.	Dia. mm.	Price \$	Sales Tax
240/250	40	BC	12	302	1½	38	1.60	A
240/250	60	BC	12	302	1½	38	1.60	A

Decorative Lighting is an established requirement of our modern society. The modern range of Osram decorative filament lamps provide the means of creating the right appearance and atmosphere in festive and social surroundings both indoor and outdoor. This grouping includes both decorative shapes and linear light sources. The colour range and finishes are comprehensive.



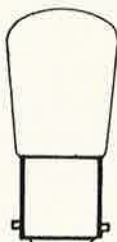
Architectural



Striplite



Flush Pilot



Normal Pilot



Neon Pilot



20v. 3w. MES
Decoration Lamp



Decoration Outfit

ARCHITECTURAL LAMPS

A white opal glass lamp giving a soft, pleasant light, very suitable for bedheads, dressing table and mirrors, cocktail cabinets, etc.

Volts	Watts	Cap.	Length Inches	Length mm.	Dia. Inches	Dia. mm.	Dist. Between Pegs		Price \$	Sales Tax
							Caps mm.			
240/250	35	Round Peg	12	305	1 1/8	30	229		1.98	A
240/250	35	Flat	12	305	1 1/8	30	241		1.98	A
240/250	53	Round Peg	18	457	1 1/8	30	381		3.24	A
240/250	60	Round Peg	12	305	1 3/8	40	229		3.24	A
240/250	60	Round Peg	20	500	1 3/8	30	424		3.24	A
240/250	60	Flat	20	500	1 3/8	30	441		3.24	A
240/250	75	Round Peg	24	610	1 3/8	30	534		3.55	A
240/250	110	Round Peg	36	915	1 3/8	30	839		4.99	A
240/250	150	Round Peg	48	1220	1 3/8	30	1144		5.86	A

Holders: Special Bakelite Holders for above, Black \$0.45 each; Cream \$0.52 each.

STRIPLITE LAMPS

Double ended lamps lighted uniformly throughout their length and suitable for concealed installations such as show cases, cornices, etc.

Volts	Watts	Cap.	Length Inches	Length mm.	Dia. Inches	Dia. mm.	Finish	Price \$	Sales Tax
110/120, 240/250	30	SCC	8 3/4	221	1	25	Clear	1.00	A
110/120, 240/250	60	SCC	8 3/4	221	1	25	Clear	1.10	A
110/120, 240/250	30	SCC	11 1/8	284	1	25	Clear	1.00	A
110/120, 240/250	60	SCC	11 1/8	284	1	25	Clear	1.10	A
240/250	60	Solid	12 1/4	308	1 1/2	38	Clear	1.10	A

Holders: Single centre contact, Bakelite \$0.25 each.

PILOT LAMPS

This exceptionally small lamp is specially designed for signs, illuminated scoreboards totalisators, indicators, berth lights, etc.

NORMAL TYPE

Volts	Watts	Cap.	Length mm.	Dia. mm.	Clear or Pearl \$	*Coloured \$	Sales Tax
24/75	15	BC, SBC, ES, SES	BC 55	28	0.40	0.45	A
110/250	15	BC, SBC, ES, SES	ES 58	28	0.28	0.34	A
260	15	BC, SBC, ES, SES	SBC 61	28	0.29	0.42	A
110/250	25	BC, SBC, ES, SES	SES 62	28	0.32	0.35	A

FLUSH TYPE

24/75	15	BC, SBC, SES, CES	BC 49	26	0.48	0.53	A
			SBC 48	26	0.40	0.48	A
110/250	15	BC, SBC, SES, CES	CES 50	26	0.41	0.49	A
260	15	BC, SBC, SES, CES	SES 56	26	0.41	0.49	A

*Colours available—Red, blue, green, yellow, orange and flame.

VACUUM CLEANER TYPE

250	25	SBC	62	28	0.32		A
*240	25	SBC	62	28	0.32		A

*(Hoover-Dirtfinder)

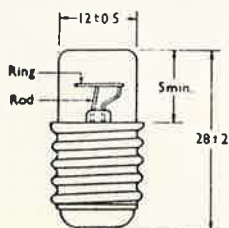
DECORATION OUTFITS AND SPARE LAMPS

Fully approved by Electricity Authorities, these outfits are specially attractive for all indoor decorations, parties and celebrations. Each outfit comprising 12 lamps in series complete with flex, holders, spare lamp and adaptor.

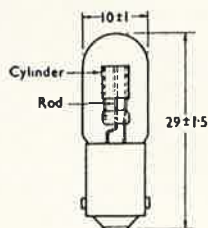
Cat./Approval No.	Volts	Watts	Cap.	Length mm.	Dia. mm.	Type	Price \$	Sales Tax
N/8/OS2012 V/A5U/7	200/250	36	MES	12 feet		Standard With olive shaped lamps as illustrated	2.95	A
OS2010	20	3	MES	50	18	Assorted colours Olive shaped lamps	0.14	A

Sales Tax A = 2 1/2% (No Supplementary Discount)

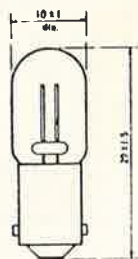
NEON INDICATORS



Button Tuneon
Type E and F



Type G



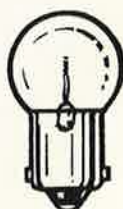
Type LN1



Switchboard Pilot



Telewriter



G.E. Indicator

INDICATORS NEON LAMPS

When used on mains voltage, it is essential to use a specified value of series resistance in order to limit the operating currents.

Volts	Current	Cap.	Length mm.	Dia. mm.	Type	Price \$	Sales Tax
200/260	0.50MA	SES	28	12	Switch Indicator F	0.75	A
200/260	0.15MA	MCC	29	10	Switch Indicator G	0.75	A
105/125	0.25MA	MCC	29	10	Switch Indicator LN1	0.75	A
200/260	0.50MA	SES	28	12	Button Tuneon for DC only	0.75	A

SWITCHBOARD PILOT INDICATOR

Volts	Watts	Cap.	Length mm.	Dia. mm.	Finish	Price \$	Sales Tax
100/130	6	SBC, CES, SES	44	18	Clear	0.61	B
100/130, 200/250	10	CES, SES	46	18	Clear	0.61	B
100/130, 200/250	10	SBC	40	18	Clear	0.61	B

G.E. SWITCHBOARD INDICATOR

Cat. No.	Volts	Watts/Amps	Cap.	Length mm.	Dia. mm.	Description	Price \$	Sales Tax
3S6/5	120	3	CES	48	18	Indicator	0.61	B
6S6	12	6	CES	48	18	Indicator	0.61	B
6S6	30	6	CES	48	18	Indicator	0.61	B
6S6	120	6	CES	48	18	Indicator	0.61	B
6S6/SC	120	6	SCC	48	18	Indicator	0.61	B
6S6/DC	120	6	SBC	48	18	Indicator	0.61	B
7C7/W	120	7	CES	54	24	White Indicator	0.61	B
10S6/10	240	10	CES	48	18	Indicator	0.61	B
10S11	120	10	IES	59	35	Indicator	0.61	B
10S11/79	120	10	CES	57	35	Indicator	0.61	B
10S11/CW	120	10	IES	59	35	White Calculator	0.61	B
11A74C	18	0.11A	CES	38	13	Indicator	0.61	B
GE257	14	0.24A	MCC	27	14	Blinker	0.26	B
GE258	14	0.24A	MES	27	14	Blinker	0.41	B
GE405	6.5	0.50A	MES	27	14	Blinker	0.26	B
GE1458	20	0.50A	MCC	30	16	Coin Machine	0.26	B
GE1471	12	0.26A	CES	35	18	Annunciator	0.61	B
GE1489	6.5	2.75A	SCC	45	16	Coin Machine	2.70	B
GE1491	2.4	0.80A	SBC	45	25	Micro Illuminator	0.38	B
GE1493	6.5	2.75A	SBC	50	25	Micro Illuminator	1.02	B
GE1503	6	6.53A	SCPF	57	35	Indicator	1.25	B
GE1630	6.5	2.75A	DCAPF	50	25	Micro Illuminator	1.20	B
GE1631	6.5	2.75A	DCAPF	50	25	Micro Illuminator	2.45	B
GE1804	4	0.06A	MCC	30	10	Marine and Road Flasher	0.45	B

Made in U.S.A.

NAVIGATION INDICATOR

Volts	Watts	Cap.	Length mm.	Dia. mm.	Price \$	Sales Tax
12	2.2	SBC	30	15	0.22	B

TROLLEY BUS INDICATOR

Volts	Watts	Cap.	Length mm.	Dia. mm.	Price \$	Sales Tax
35	6	SBC	37	18	0.43	B
35	6	SBC	56	38	0.43	B

TRAIN CABLIGHT INDICATOR

Volts	Watts	Cap.	Length mm.	Dia. mm.	Price \$	Sales Tax
32	6	MES	27.5	15	0.43	B

CALL SYSTEM INDICATOR

Refer page 59, Auto Indicators.

TELEWRITER LAMPS

Volts	Amps.	Cap.	Length mm.	Dia. mm.	Price \$	Sales Tax
50	0.05	MES, MCC	33	6.5	0.59	B

NAVIGATION LAMPS

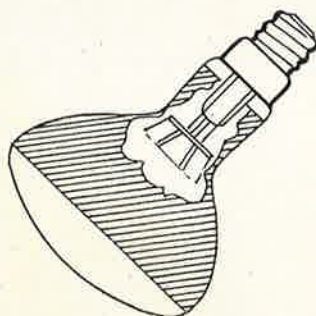
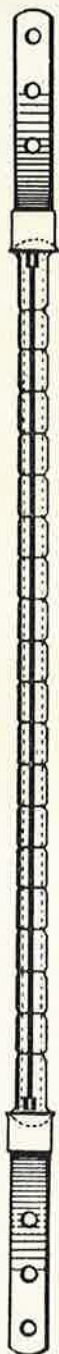
Specially designed lamp with a drawn wire squirrel cage filament for ships' navigation lights and optical instruments.

Volts	Watts	Cap.	Length mm.	Dia. mm.	Finish	Type	Price \$	Sales Tax
110/250	40	BC	122	57	Clear	Navigation	0.92	B
110/250	60	BC	137	63	Clear	Navigation	0.92	B

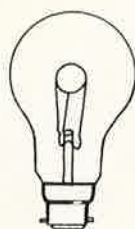
Conversion of millimetres to inches, see Page 7.

Sales Tax A = 2½% (No Supplementary Discount)

Sales Tax B = 15% (Supplementary Discount 6%)



Infra-red Reflector



Carbon Filament



Infra-red clear quartz tubular

Infra-red clear quartz tubular



INDICATOR LAMPS (German)

Cat. No.	Volts	Cap.	Watts Amps	Type	Length mm.	Dia. mm.	Trade and Govt. \$
T10	110/220	MES	0.5W	Neon	28	10	0.47
T10	220	MCC	0.5W	Neon	28	10	0.47
T10	12	MCC	0.12A	Filament	28	10	0.25
T10	24	MCC	0.08A	Filament	28	10	0.32
T10	24/36/50/60	MES	2W	Filament	28	10	0.32
T10	50	MCC	0.05A	Filament	28	10	0.32
T10	120	MES	2.4	Filament	28	10	0.41
T10	120	MES	3.5	Filament	28	10	0.41
T13	110/220	SES	0.5W	Neon	30	13	0.47
T13	220	SBC	0.5W	Neon	30	13	0.47
T13	6	SES	2W	Filament	30	13	0.45
T13	24	SES	0.08A	Filament	30	13	0.45
T13	48	SES	5W	Filament	30	13	0.45
T13	48	CES	5W	Filament	30	13	0.50
T16	110/220	SES	0.5W	Neon	52	16	0.47
T16	220	SBC	0.5W	Neon	52	16	0.47
T16	12/24/60/130	SES	4W	Filament	54	16	0.45
T16	36/48/260	CES	5W	Filament	54	16	0.50
T16	260	SBC	5W	Filament	54	16	0.48
T16	260	SES	5W	Filament	54	16	0.45
T16	120	SBC	6W	Filament	54	16	0.48
T16	120	SES	6W	Filament	54	16	0.45
T16	36/260	SBC	7W	Filament	54	16	0.48
T16	36/260	SES	7W	Filament	54	16	0.45
T16	260	SES	10	Filament	54	16	0.45
T5	6/24/48	Liliput		Filament	31	5.1	0.35

DISCOUNTS: Trade and Govt.—NETT

INTERHOUSE—LESS 10%

Sales Tax B = 15% (Supplementary Discount 6%)

ROBERTSON CARBON FILAMENT HEATER LAMPS

These lamps are particularly suitable as resistors or for mild applications of heat. Also recommended for chicken brooders, etc.

Volts	Watts	Cap.	Length mm.	Dia. mm.	Finish	Price \$	Sales Tax
100/250	65 (16 C.P.)	BC, ES	110	60	Clear	1.00	A
100/250	130 (32 C.P.)	BC, ES	118	65	Clear	1.00	A
100/250	200 (50 C.P.)	BC, ES	125	70	Clear	1.10	A

INFRA-RED HEATING LAMPS

Heat Lamps are available in two forms—Reflector and Quartz tubular. They combine the features of low cost, cleanliness and efficiency to accomplish a wide assortment of warming and heating tasks.

Frosted lamps are suited to most applications but when the associated light is not useful, red-end lamps are used.

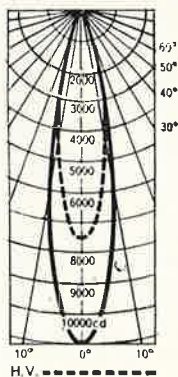
The range of tubular quartz lamps makes them adaptable to many leading tasks. They are impervious to thermal shock and due to their high loading can make possible substantial reductions in processing time. The physical dimensions can be a major factor in limiting the size of associated equipment.

Volts	Watts	Cap.	Length mm.	Dia. mm.	Type	Price \$	Sales Tax
100/130 and 200/250	275	ES	178	126	Reflector Frosted	3.07	B
					Reflector Red		
					Glazed	3.17	B
200/250 *120	375	ES	190	126	Reflector Clear	3.75	B
115 and 200/250	250	ES	178	90	Round Bulb Clear	0.77	B
100/125	500	Flexible Metal Tags	200	12	Clear Quartz Tub	9.71	B
		Flexible					
200/25	1,000	Metal Tags	350	12	Clear Quartz Tub.	11.25	B
*100/130	500	Flexible Leads	224	12	Quartz	9.71	B
*230/250	1,000	Flexible Leads	351	12	Quartz	11.25	B
*230/250	1,600	Flexible Leads	503		Quartz	12.78	B
*460/500	2,500	Flexible Leads	785		Quartz	12.78	B

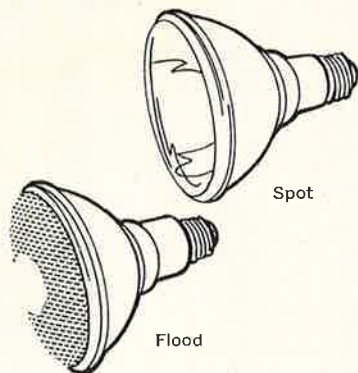
*Made in U.S.A.

Sales Tax A = 2½% (No Supplementary Discount)

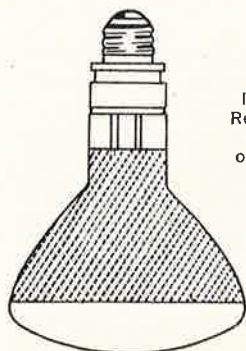
Sales Tax B = 15% (Supplementary Discount 6%)



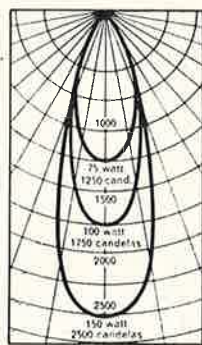
Supra-lite
Average Light Distribution



Pressed Glass Reflector



Indoor
Reflector
Flood
or Spot



Spot Distribution

Burning positions
The shaded portions
of these diagrams
show the positions
in which the lamps
must not be mounted.

Class B1

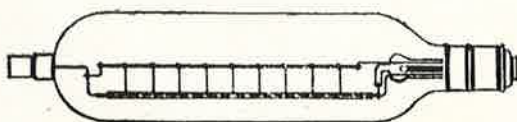


Class B2



Designed for burning
in any position

Class FL. Horizontal only



SPOTS AND FLOOD LAMPS

INTERNAL REFLECTOR SPOTS AND FLOOD LAMPS

Outdoor for Garden Displays, etc.

Volts	Watts	Cap.	Type	Length mm.	Dia. mm.	Price \$	Sales Tax
115, 240, 250	150	ES	Supalite Spot or Flood COLOURED Sealed Beam	135	122	2.85	A
*120	100	ES	Flood	135	121	3.17	B
240/250	150	ES	Colours: Red, Blue, Blue/White, Green, Pink, Yellow Dichroic Sealed Beam	135	121.5	5.00	B

Colours: Red, Blue, Yellow, Green

*Made in U.S.A.

G.E. SEALED BEAM SPOT AND FLOOD

Type	Volts	Watts	Dia.	Price \$	Sales Tax
300 PAR 56/NSP Spot	120	300	7"	6.08	B
300 PAR 56/MFL Medium Flood	120	300	7"	6.08	B
300 PAR 56/WFL Wide Flood	120	300	7"	6.08	B
500 PAR 64/NSP Spot	120	500	8"	12.49	B
500 PAR 64/MFL Medium Flood	120	500	8"	12.49	B
500 PAR 64/WFL Wide Flood	120	500	8"	12.49	B

Made in U.S.A.

INDOOR (for highlighting individual items of display, etc.)

Volts	Watts	Cap.	Type	Length mm.	Dia. mm.	Price \$	Sales Tax
110, 120, 240, 250	75	BC, ES	Spots or Flood	138	95	1.45	B
110, 120, 240, 250	100	BC, ES	Spots or Flood	138	95	1.70	B
110, 120, 240, 250	150	BC, ES	Spots or Flood	178	126	2.25	B
*120	300	ES	Spots or Flood	167	127	3.15	B
*120	150	ES	Flood (Coloured)	167	127	2.71	B

†Colours: Red, Blue, Blue/White, Green, Pink, Yellow

*Made in U.S.A.

FLOODLIGHT LAMPS CLASS B1

These are suitable for floodlighting and projecting a wide beam of light, and also for types of theatre spotlights in which ability to withstand rough usage is more important than high optical efficiency.

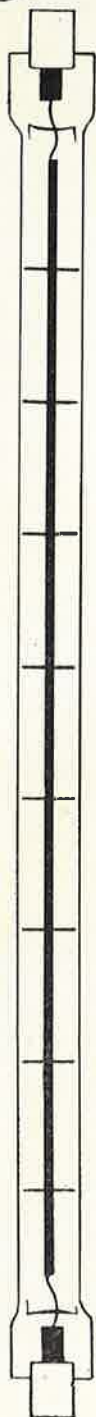
Volts	Watts	Cap.	Length mm.	Dia. mm.	Light Centre Length mm.	Filament	Type	Objective Average Life Hrs.	Price \$	Sales Tax
110/250	100	ES	116	80	76	Bunch	Round	800	2.45	B
110/250	250	ES	121	90	76	Bunch	Round	800	2.66	B
110/250	500	GES	168	120	108	Bunch	Round	800	3.91	B
110/250	500	ES	174	120	114	Bunch	Round	800	3.91	B
110/250	1,000	GES	176	130	108	Bunch	Round	800	6.65	B

FLOODLIGHT LAMPS CLASS B2

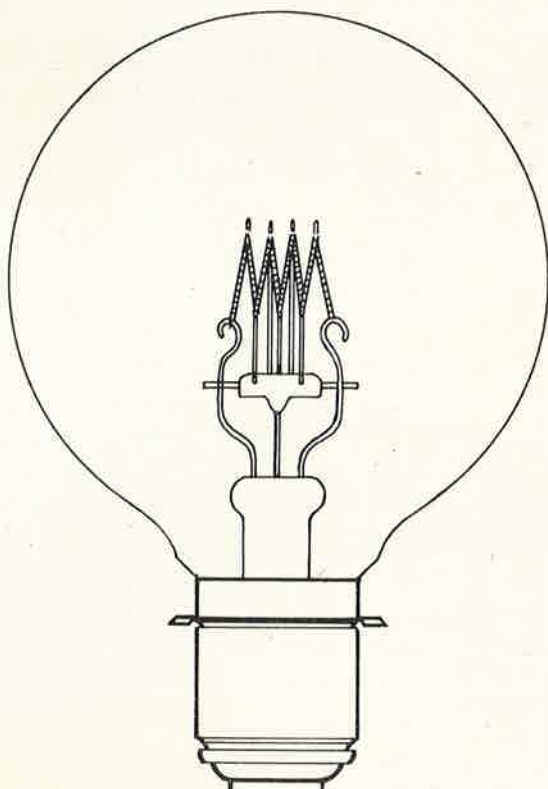
Volts	Watts	Cap.	Length mm.	Dia. mm.	Light Centre Length mm.	Filament	Type	Objective Average Life Hrs.	Price \$	Sales Tax
240, 250	500	GES	267	130	202	Bunch	W/neck	800	4.50	B
115, 240, 250	1,000	GES	300	150	225	Bunch	W/neck	800	9.20	B
240, 250	1,500	GES	335	170	250	Bunch	W/neck	800	9.51	B

Sales Tax B = 15% (Supplementary Discount 6%)

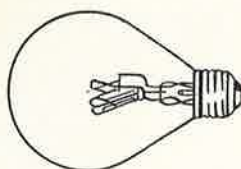
Sales Tax A = 2½% (No Supplementary Discount)



1500W Quartz
Iodine lamp



Theatre Spotlight
Class T



Loco Head

Class E



Burning positions
The shaded portion of these diagrams shows the position in which the lamp *must not* be mounted.

FLOODLIGHT LAMPS FL Horizontal Burning

These lamps have filaments of line construction for use in special fittings. The resulting beam is of very narrow vertical divergence and a large horizontal spread and has many uses in theatre and floodlight schemes.

Cat. No.	Volts	Watts	Cap.	Length		Filament	Objective	Price	Sales
				mm.	mm.		Average Life Hrs.		
FL/1	115, 240, 250	500	GES	355	90	Axial	1,000	6.32	B
FL/2	115, 240, 250	1,000	GES	390	90	Axial	1,000	7.54	B
FL/3	230, 240	2,000	Giant Prefocus and centralising cap	425	90	Axial	200	17.81	B
FL/6	115, 240, 250	1,000	Giant Prefocus and centralising cap	425	90	Axial	1,000	15.33	B

FLOODLIGHT UNDERWATER

Cat. No.	Volt	Watt	Cap.	Length	Dia.	Price	Sales
400 G/FL	250	400	ES	130	95	\$ 7.40	Tax B

THEATRE SPOTLIGHT LAMPS CLASS T

Round bulb lamps, ideally suited to stage lighting for use in conjunction with "Strand" theatre spotlight lanterns.

Cat. No.	Volts	Watts	Cap.	Length	Dia.	Light Centre	Output	Obj. Aver.	Price	Sales
						Length				
T/1	240/250	500	Prefocus	130	95	55.5	4,000 Lumens	200	6.65	B
T/2	240/250	1,000	Giant Prefocus	190	130	84	9,000	200	7.26	B
T/3	240/250	250	Prefocus	119	76	55.5	20,000	200	4.29	B
T/4	240	1,000	Prefocus	155	39	89.0	20,000	200	9.71	B
T/6	240/250	1,000	Prefocus	140	102	55.5	20,000	200	12.27	B

BURNING POSITIONS

T/1, T/2, T/3—Within 90° from the vertical cap down
 T/4 Within 15° from the vertical cap up
 T/6 Within 75° from the vertical cap down

EPIDIASCOPE LAMPS CLASS E

Designed for Epidiасcope Projectors, this lamp is also most suitable for shop window spotlighting.

Cat. No.	Volts	Watts	Cap.	Length	Dia.	Light Centre	Fila-ment	Obj. Aver.	Price	Sales
						Length				
E/3	240/250	500	ES	135	100	85	Biplane	100	5.62	B
E/1	240/250	500	Prefocus	135	100	60	Biplane	100	5.62	B

QUARTZ IODINE LAMPS (TUNGSTEN HALOGEN)

The iodine vapour sets up a regenerative cycle by which evaporated tungsten is removed from the bulb wall and returned to the filament. Blackening of the bulb wall is virtually eliminated and the lamp has practically 100% lumen maintenance throughout life.

Volts	Watts	Cap.	Finish	O/L	Dia.	Life	Burning Position	Price	Sales
								\$	Tax
24 (8.33A)	200	Ceramic	Clear	61	12	1,000	Universal	10.22	B
30 (6.6A)	200	Ceramic	Clear	61	12	600		10.22	B
*120	500	Ceramic	Clear	109.5	10	2,000		10.22	B
240/250	750	Ceramic	Frosted	186	12	2,000	Within	11.25	B
240/250	1,000	Ceramic	Frosted	186	12	2,000	4°	12.27	B
240/250	1,500	Ceramic	Frosted	251	12	2,000	of	14.31	B
*120	500	RSC	Clear	119	9	2,000		9.20	B
*240/277	1,500	RSC	Clear	254.5	9	2,000		13.29	B

Quartz iodine lampholders per pair — price on application.

*Made in U.S.A

HANDLING OF TUNGSTEN HALOGEN

Touching the lamp with bare hand leaves finger grease which devitrifies (causes the quartz to return to a crystal form) the Quartz at the lamp operating temperature and causes early failure of the lamp.

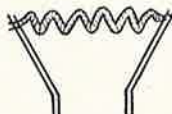
Sales Tax B = 15% (Supplementary Discount 6%)



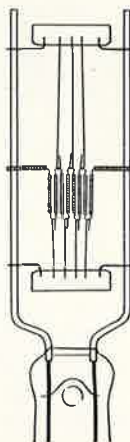
Type RG



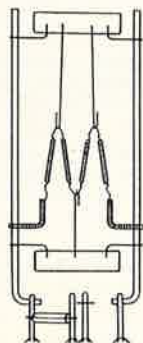
Type FG



Coiled coil
Transverse (Tcc)



Flat Grid
Class A1



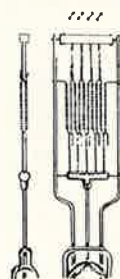
Double Vee
Class A1



Single coil flat grid
Class A1



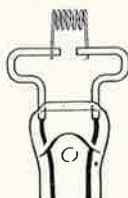
Flat grid
Class A1



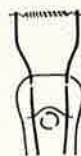
Biplane
Class A1



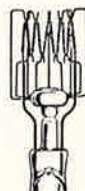
Twin Pillar
Class A1



Flat Mandrel
Single Coil



Transverse



Bunched Filament
Class B1



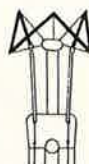
Axial



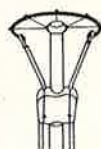
Supported Vee



Bow



Wave



Type A



LOCO HEADLIGHT LAMPS

A round bulb lamp without neck, designed for headlights on locomotives. Because of its concentrated filament, this lamp can also be used for low voltage floodlighting.

Volts	Watts	Cap.	Length mm.	Dia. mm.	Light Centre Length mm.	Fila- ment	Objective Average Life	Price \$	Sales Tax
16, 24, 32	100	ES	116	80	76	Bunch	500	1.31	B
110/120	100	ES	116	80	76	Bunch	500	1.43	B
24, 32, 115	150	ES	116	80	76	Bunch	500	1.55	B
24, 32	250	ES	116	80	76	Bunch	500	1.89	B
115	250	ES	116	80	76	Bunch	500	2.56	B

G.E. LOCO HEADLAMPS

Cat. No.	Volts	Watts	Cap.	Length mm.	Dia. mm.	Price \$	Sales Tax
GE.100 PAR 38/FL	12	100	2 Prong	136	121	4.85	B
GE.150 PAR 46/1	32	150	Scr. Term	95	146	4.35	B
GE.150 PAR/46	115	150	Scr. Term	95	146	5.42	B
GE.200 PAR/56	30	200	Scr. Term	114	178	5.93	B

Made in U.S.A.

TRAIN LIGHTING LAMPS

These lamps are of small dimensions with or without neck in a variety of ratings to suit the specialised requirements of railway authorities. Full information regarding voltages and wattages available on request.

CABLIGHT LAMPS

Reinforced construction lamps designed to withstand vibration when used on locomotives. Details of ratings available on request.

TRACTION LAMPS

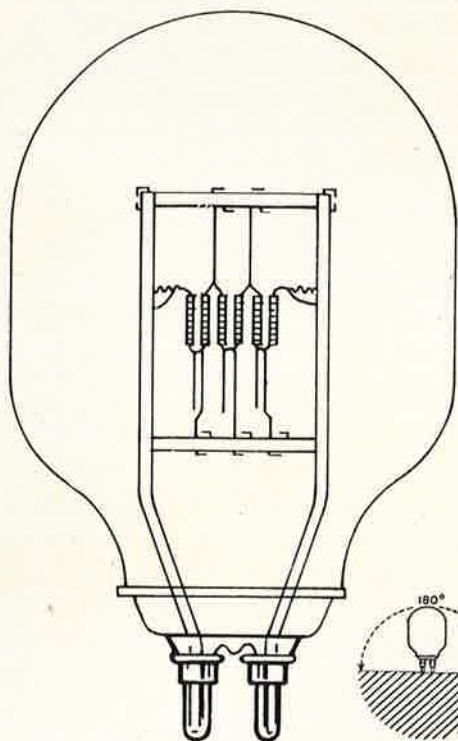
Traction lamps are specially designed to withstand the voltage fluctuations, rough usage, vibrations and other severe conditions met with in traction service. Information regarding the comprehensive range of lamps of this type is available on request.

AIRCRAFT LAMPS NUMERICAL INDEX

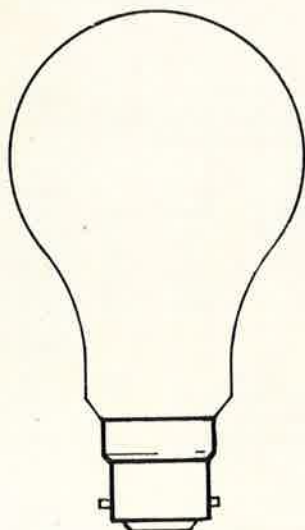
Cat. No.	Volts	CP. Amp. & Watts	Cap.	Description	Price \$	Sales Tax
GE301	28	3CP	SCC	Aircraft Interior	0.31	B
GE302	28	3CP	SBC	Aircraft Interior	0.31	B
GE303	28	6CP	SCC	Aircraft Interior	0.31	B
GE304	28	6CP	SBC	Aircraft Interior	0.31	B
GE305	28	15CP	SCC	Aircraft Interior	0.38	B
GE307	28	21CP	SCC	Aircraft Interior	0.38	B
GE307R	28	21CP	SCC	Red Aircraft Interior	0.65	B
GE3071F	28	21CP	SCC	Frosted Aircraft Interior	0.49	B
GE308	28	21CP	SBC	Aircraft Interior	0.48	B
GE309	28	32CP	SCC	Aircraft Interior	0.53	B
GE310	28	32CP	SBC	Aircraft Interior	0.67	B
GE313	28	0.17A	MCC	Aircraft Indicator	0.21	B
GE319	3	0.19A	SPEC.	Aircraft Indicator	1.52	B
GE323	3	0.19A	SPEC.	Aircraft Indicator	0.70	B
GE323R	3	0.19A	SPEC.	Red Aircraft Indicator	0.80	B
GE325	3	0.19A	SPEC.	Aircraft Indicator	0.96	B
GE327	28	0.04A	SC Mid Flange	Aircraft Indicator	0.52	B
GE328	6	0.2A	SC Mid Flange	Aircraft Indicator	0.48	B
GE330	14	0.08A	SC Mid Flange	Aircraft Indicator	0.70	B
GE334	28	0.04A	SC Mid Flange	Aircraft Indicator	0.58	B
GE338	2.7	0.06A	SC Mid Groove	Aircraft Indicator	0.70	B
GE356	28	0.17A	MCC	Aircraft Indicator	0.38	B
GE1385	28	20W	SBC	Aircraft Reading	1.70	B
GE1474	14	0.17A	MES	Annunciator	0.29	B
GE1477	18	0.15A	MES	Aircraft Indicator	0.43	B
GE1811	6.5	0.4A	MCC	Aircraft Indicator	0.26	B
GE1816	13	0.33A	MCC	Aircraft Indicator	0.21	B
GE1819	28	0.04A	MCC	Aircraft Indicator	0.27	B
GE1820	28	0.1A	MCC	Aircraft Indicator	0.28	B
GE1829	28	0.07A	MCC	Aircraft Indicator	0.29	B

For GE (CIM) Sealed Beam and GE (Aircraft) Sealed Beam—see Automotive Section.

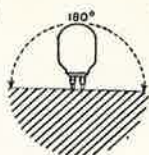
Sales Tax B = 15% (Supplementary Discount 6%)



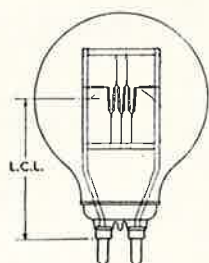
Class S. FILM STUDIO



Series 1 PHOTOFLOOD



Class S



Bipost Base

ZIRCONIUM-FILLED AG-3B . . . has the same time-to-peak . . . same long flash duration . . . same grooved base and over-all length . . . and the same "Universal blue" colour-correct filter on the bulb . . . as the popular AG-1B lamp—but the **Super AG-3B** flashes over 33% more light . . . to insure against underexposure . . . to equal Flashcube shooting distances, when used in a less efficient reflector . . . to surpass Flashcube distances, when used in a 2" polished reflector . . . to provide more light for fast shutter speed synchronization on the "M" or "FP" setting. It also permits "Bounce Light" techniques and practical depth-of-field f/stops. Colour and synchronization same as the AG-1B

SPECIFICATIONS

Ordering Abbreviation	Bulb	Base	Flashing Voltage Range	Bulb Dia. Inches	Max. Over-all Length, Inches	Approx. Lumen Sec.	Approx. Peak Lumens	Approx. Time to Peak in Sec.	Carton Qty.	Case Qty.	Price \$
						In Thousands					
AG-3B	T-3½	Glass Groove	3-45	15/32	1-5/16	7.2	450	.012	12	144	0.15

Made in U.S.A.

Sales Tax C = 25% (Supplementary Discount 13¼%)

PHOTOGRAPHIC AND FILM STUDIO LAMPS

PHOTO FLOOD LAMPS

The filaments of these lamps run at an extremely high temperature, which results in the production of a light, especially suitable for indoor photography. The life of these lamps can be materially extended if two or more are connected in series while the lighting is being set up, and are only switched in parallel when the photograph is being taken.

Volts	Watts	Cap.	Nominal Efficiency L/W	Length mm.	Dia. mm.	Finish	Objective Average Life Hrs.	Price \$	Sales Tax
Series 1									
240/250	275	BC, ES	29	110	60	Pearl	2	0.70	C
Series 2									
240/250	500	BC, ES	30	160	80	Pearl	10	1.20	C

PHOTOGRAPHIC LAMPS

Designed primarily for the professional photographer, for whom their long life is a considerable advantage.

The colour temperature (3,150° K) of these lamps makes them suitable for nearly all colour films balanced for artificial light.

Volts	Watts	Cap.	Nominal Efficiency L/W	Length mm.	Dia. mm.	Finish	Objective Average Life	Price \$	Sales Tax
Series B									
240/250	500	ES	21	178	90	Pearl	100	2.42	C

G.E. REFLECTOR SPOT AND FLOOD LAMPS

Cat. No.	Volts	Watts	Cap.	Length mm.	Dia. mm.	Description	Objective Life Hours	Price \$	Sales Tax
DXC	115/120	500	ES	169	127	Inside Frosted Reflector Flood	6	2.60	C
(RFL2)						Inside Frosted Reflector Spot	6	2.60	C
DXB	115/120	500	ES	169	127	Inside Frosted Reflector Flood	6	2.60	C
(RSP2)						Inside Frosted Reflector Flood	6	2.60	C
EAH	240	500	ES	169	127	Inside Frosted Reflector Flood	6	2.60	C

Made in U.S.A.

PHOTO-ENLARGER LAMPS

Coated internally with silica to ensure even light distribution over the whole bulb surface.

Volts	Watts	Cap.	Length mm.	Dia. mm.	Objective Average Life	Price \$	Sales Tax
240/250	75	BC	125	68	1,000	0.52	C
*240/250	150	BC	117	65	100	0.80	C

*High Intensity

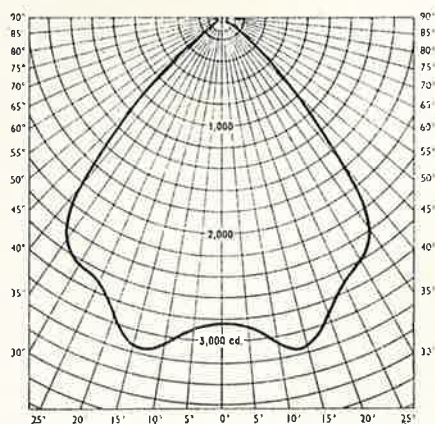
STUDIO LAMPS CONTROLLED COLOUR TEMPERATURE

These lamps are designed to have an initial colour temperature of 3250°K and are for use with colour film balanced at 3200°K.

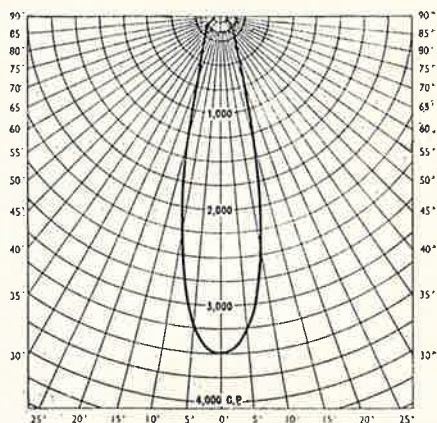
The complete range of Studio bulbs (CP Class) are now available in "Low Noise" versions. When used with thyristor dimming circuits, conventional studio lamps, and in particular, the 5 kw. size, is prone to "sing", due to the resonance of filaments and filament supports. This "sing" which is totally unacceptable to the sound engineer, has now been reduced by the use of a unique new material in the filament supports.

Cat. No.	Volts	Watts	Cap.	Fin.	Length mm.	Dia. mm.	LCL mm.	Objective Life Hours	Price \$	Sales Tax
CP.9	115, 240,	500	Med. Bipost	Clear	165	76	63.5	115v = 35 240v = 25 115v = 50	13.00	C
CP.10	115, 240, 250	750	Med. Bipost	Clear	165	76	63.5	240/ 250v = 35	17.20	C
CP.17/S4	115, 240, 250	1,000	Bipost	Clear	232	152.5	127	100	18.20	C
CP.12/S1	115, 240, 250	2,000	Bipost	Clear	246	154	127	100	20.00	C
CP.13/S2	115, 240, 250	5,000	Bipost	Clear	341	205	165	100	56.00	C
CP.14	120	10,000	Bipost	Clear	440	272	254	200	124.00	C
CLASS S (For Black and White)										
S.3	115, 240, 250	500	Med. Bipost	Clear	138	95	63.5	100	13.00	C
S.6	115, 240, 250	750	Med. Bipost	Clear	160	76	63.5	100	17.20	C

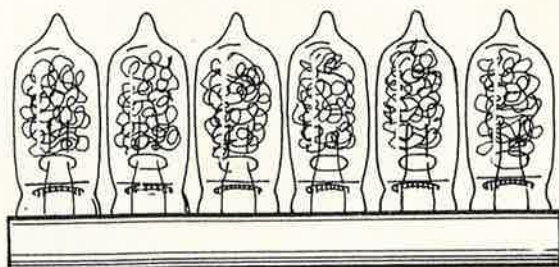
Sales Tax C = 25% (Supplementary Discount 13 1/3%)



500W Reflector Floodlight



150W Reflector Spotlight



AG1B FLASH BULBS
(Illustrated actual size)
For colour or black
and white photography



G.E. QUARTZLINE FOR STAGE, FILM AND TV LIGHTING

Lamp Code	Volts	Watts	Base	Fin.	Length mm.	Dia. mm.	L.C.L. mm.	Price \$	Sales Tax
Q.800T3/4CL	240	800	RSC	Clear	119	9.5	70	13.50	C
Q.800T3/4	240	800	RSC	Frosted	119	9.5	70	13.50	C
Q.1000T3/4	120	1,000	RSC	Frosted	119	9.5	65	15.50	C
Q.1000 PAR64/2	120	1,000	EMEP	Stippled	152	25.4		36.80	C
Q.1000 PAR64/3	120	1,000	EMEP	Stippled	152	25.4		36.80	C
Q.1000 PAR64/4	120	1,000	EMEP	Clear	134	25.4		36.80	C

Specifications for Above

Lamp Code	Rated Life Hours	Approx. Init. Lumens	Approx. Col. Temp. °K
Q.800T3/4CL	250	21,600	3,200
Q.800T3/4	250	21,000	3,200
Q.1000T3/4	500	26,200	3,200

	Rated Life Hours	Beam Spread	Candle Power	Approx. C. Temp. °K
*Q.1000 PAR64/2	150	26° x 14°	290,000	3,200
*Q.1000 PAR64/3	60	24° x 12°	375,000	3,350
†Q.1000 PAR64/4	60	22° x 9°	475,000	3,350

Made in U.S.A.

RSC Base = Recessed Single Contact.

EMEP Base = Extended Mogul End Prong.

*Burn any position.

†Burn between 45° base up and 45° base down for best performance.

Special Note. For Q.1000 Par 64/2, Par 64/3 and Par 64/4, although these lamps are made of heat resistant glass, the bulb and lens should be protected from moisture, or breakage may result.

G.E. QUARTZLINE PROJECTION AND STUDIO

Lamp Code	Volts	Watts	Cap.	Type	Length mm.	Bulb	L.C.L. mm.	Price \$	Sales Tax
FAL	120	420	S/C Recessed	D/E	63.5	T.4	—	10.50	C
DWW	120	460	S/C Recessed	D/E	63.5	T.5	—	11.20	C
DWY	120	650	Scr.	D/E	78	T.4	38	8.85	C
DXV	230	800	Scr.	D/E	78	T.4	—	12.50	C
DXX	230/240	800	Scr.	D/E	78	T.4	—	12.50	C
FCB	120	600	Scr.	D/E	95	T.4	—	10.00	C
FEA	240	600	Scr.	D/E	95	T.4	—	14.00	C
DVY	120	650	Min. 2 Pin	S/E	60.5	G.6	43	7.60	C
DYR	220/240	650	2 Pin Pr.	S/E	64	G.7	36.5	13.40	C
DXW	120	1,000	Scr.	D/E	95	T.5	—	15.10	C
DXN	120	1,000	Scr.	D/E	95	T.5	—	13.90	C
DWE	120	650	2 Scr.	S/Beam	64	PAR.36	—	14.65	C
FBE	120	650	Scr. Term	S/Beam	64	PAR.36	—	15.85	C
FBO	120	650	Scr. Term	S/Beam	64	PAR.36	—	14.65	C

Specifications of Above

Lamp Code	Life Hours	Approx. Source Size Ins.	Approx. Lumens	Colour Temperature
FAL	75	.437 x .160	11,000	3,200°K
DWW	10	.437 x .160	15,000	3,400°K
DWY	25	.622 x .160	20,000	3,400°K
DXV	16	.875 x .160	22,000	3,400°K
DXX	75	1.00 x .160	20,500	3,200°K
FCB	75	.650 x .170	17,000	3,250°K
FEA	60	.875 x .160	14,000	3,200°K
DVY	25	.41 x .19	20,000	3,400°K
DYR	50	.50 x .50	16,500	3,200°K
DXW	150	.875 x .250	28,000	3,200°K
DXN	50	.750 x .220	33,000	3,400°K

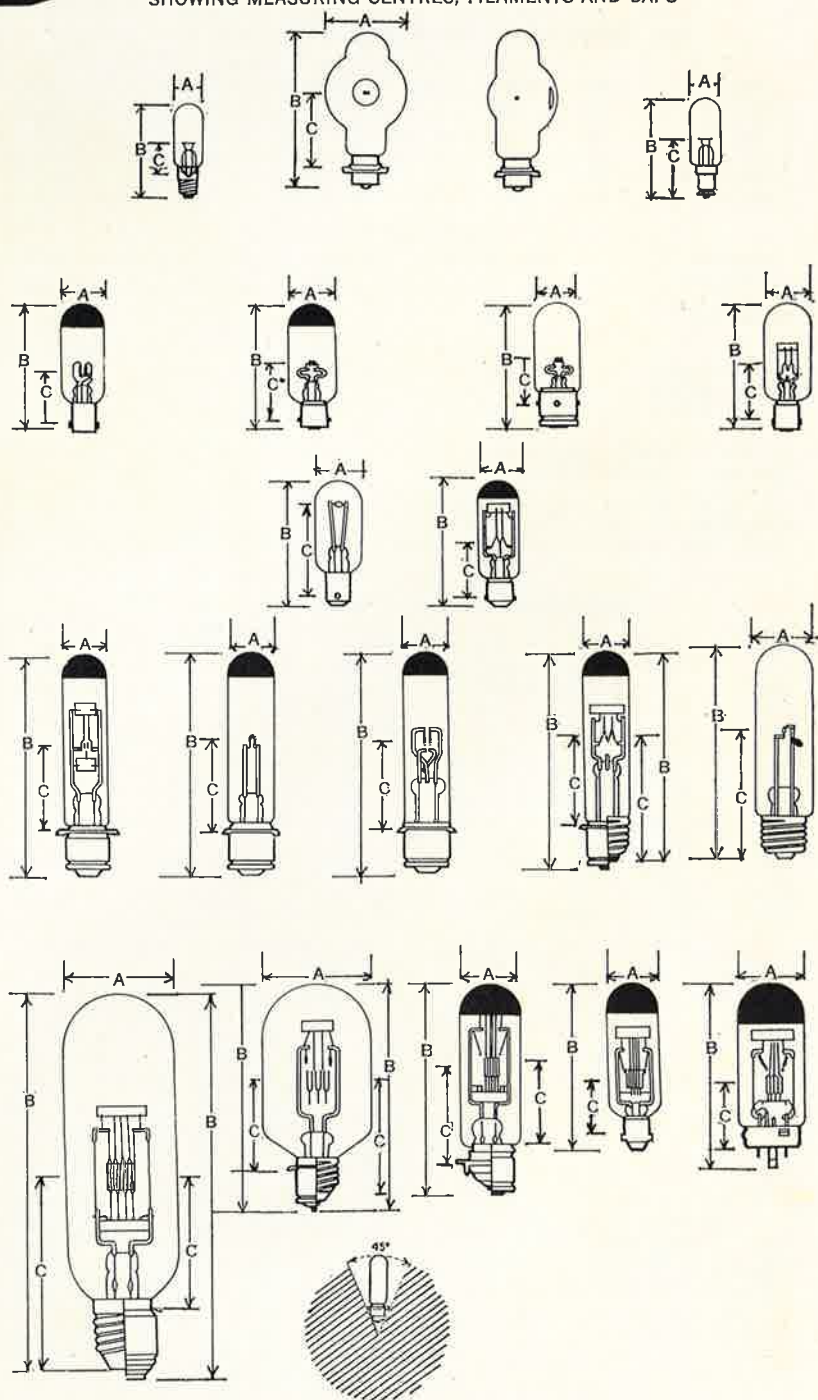
	Approx. Life Hours	Approx. Candlepower	Approx. Colour Temp.
DWE	(Med. Beam) 100	24,000	3,200°K
FBE	(Daylight) 16	35,000	5,000°K
FBO	(Spot Beam) 16	75,000	3,400°K

Made in U.S.A.

Sales Tax C = 25% (Supplementary Discount 13½%)



TYPICAL CLASS A1 PROJECTOR LAMPS
SHOWING MEASURING CENTRES, FILAMENTS AND CAPS



Class A1
Burning Position

PROJECTOR LAMPS

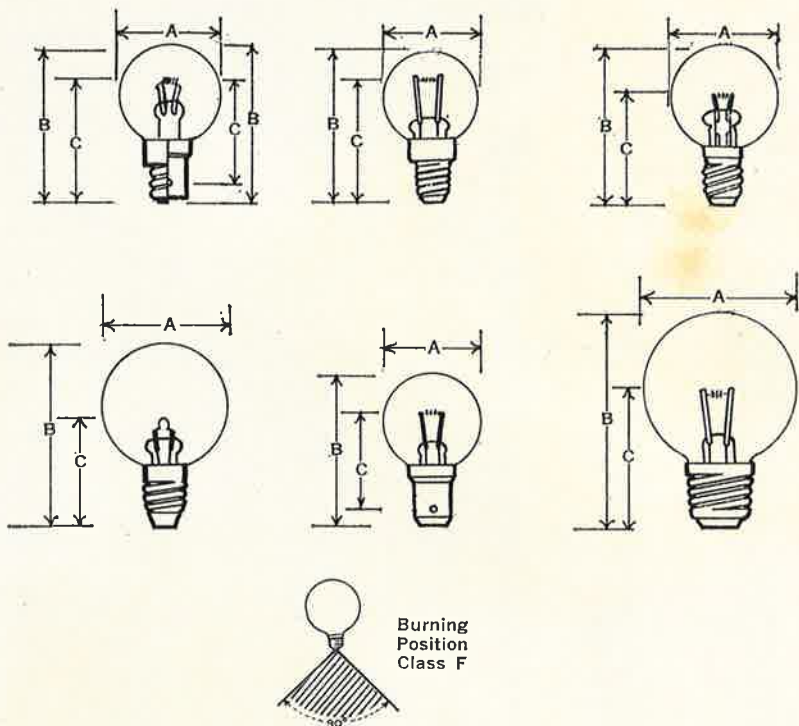
PROJECTOR LAMPS CLASS A1

Cat. No.	Volts	Watts	Cap.	Length mm.	Dia. mm.	L.C.L. mm.	Obj. Av. Life	Price \$	Sales Tax
*BKR	120	30	CES	57	35	41	50	1.64	B
*BVB	120	30	SCC	67	22	35	25	1.64	B
A1/17	8	50	APF	93	35 x 43	47	25	4.09	B
A1/220	12	50	2 Pin	42	10.5	30	50	Price on B	Application
*BLX	120	50	SBC	60	35	41	50	1.99	B
A1/215	12	100	2 Pin	34	11	30	50	4.60	B
A1/186	12	100	SCC	76	25	34.5	25	2.35	B
A1/193	12	100	BA21S. 4 Pin	76	25	29.5	25	2.30	B
A1/21	240, 250	100	SCC	76	25	34.5	50	3.07	B
A1/4	240, 250	100	PRE	133	25	55.5	50	4.09	B
*DEF/A1/211	21	150	4 Pin	90.5	38	39.7	15	7.10	B
A1/212	24	150	G.17.Q	100	32	40	25	4.04	B
A1/216	24	150	2 Pin	50	13.5	30	50	6.00	B
A1/167	240, 250	150	SCC	76	25	34.5	50	3.27	B
A1/168	240, 250	150	SBC	87	25	34.5	50	3.27	B
A1/175	240, 250	150	PRE	133	25	55.5	50	4.09	B
A1/182	240, 250	150	G.17.Q	78	32	33.4	25	4.09	B
A1/5	50	250	PRE	133	32	55.5	50	3.32	B
A1/5	115	250	PRE	133	32	55.5	50	4.09	B
A1/5	240, 250	250	PRE	133	32	55.5	50	4.09	B
A1/14	240	250	ES	128	32	75	50	3.07	B
A1/37	115	300	SCC	100	25	34.5	25	4.09	B
A1/37	240, 250	300	SCC	100	25	34.5	25	4.09	B
A1/183	240, 250	300	SCC	80	32	34.5	25	4.50	B
A1/6	115	300	PRE	133	32	55.5	25	4.09	B
A1/6	240, 250	300	PRE	133	32	55.5	50	4.09	B
A1/178	240, 250	300	G.17.Q	101	32	39.7	25	4.60	B
*CXY	115/120	300	PRE	146	38	55.5	25	4.60	B
A1/7	115	500	PRE	133	32	55.5	25	6.39	B
A1/7	240, 250	500	PRE	133	32	55.5	25	6.39	B
*CZK	120	500	PRE	146	22	55.5	25	6.39	B
A1/8	115	500	PRE	133	64	55.5	50	5.62	B
A1/8	240, 250	500	PRE	133	64	55.5	50	5.62	B
A1/42	240	500	ES	133	64	75	50	4.60	B
*DFX	240	500	4 Pin	90	38	39.5	25	10.04	B
A1/180	240, 250	500	G.17.Q	103	32	39.7	25	6.34	B
A1/205	240, 250	500	4 Pin	103	33	39.7	25	Price on B	Application
A1/9	115	750	PRE	133	38	55.5	25	7.16	B
A1/9	240, 250	750	PRE	133	38	55.5	25	7.16	B
*ddb	120	750	Large Index Ring	146	22	55.5	25	7.16	B
A1/53	115	750	Bell & Howell	128	38	59	25	7.57	B
A1/53	240, 250	750	Bell & Howell	128	38	59	25	7.57	B
*DEJ	120	750	PRE	140	38	59	25	7.57	B
A1/59	115	1,000	PRE	133	38	55.5	25	8.18	B
A1/59	240, 250	1,000	PRE	133	38	55.5	25	8.18	B
A1/58	240, 250	1,000	PRE	133	64	55.5	25	8.69	B
A1/11	115	1,000	Giant Prefocus	230	64	84	50	8.38	B
A1/11	240, 250	1,000	Giant Prefocus	230	64	84	50	8.38	B
A1/57	115	1,000	GES	230	64	120	50	5.81	B
A1/57	240, 250	1,000	GES	230	64	120	50	5.81	B
A1/91	115	1,000	Bell & Howell	128	38	59	25	8.38	B
A1/207	240, 250	1,000	4 Pin	115	38	39.7	25	8.69	B
*DHT	120	1,200	PRE	241	38	87	10	8.85	B

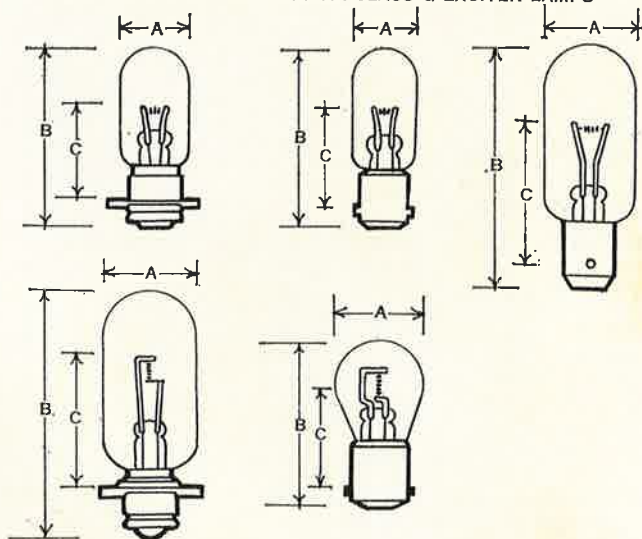
* Made in U.S.A.

Sales Tax B = 15% (Supplementary Discount 6%)

TYPICAL CLASS F PROJECTOR LAMPS



TYPICAL CLASS G EXCITER LAMPS



PROJECTOR LAMPS CLASS F

Small dimensions and intense concentrated light combined to produce a lamp very suitable for micro projectors and micro illumination.

Cat. No.	Volts	Watts	Cap.	Length mm.	Dia. mm.	Light Centre	Filament	Objective Average Life	Sales	
						Length mm.			Price \$	Tax
F/17	6	24	SBC	60	38	44	Trans	100	0.74	B
F/10	6	24	SES	60	38	50	Hs/c	100	1.94	B
F/1	6	30	SES	57	35	47	Hs/c	25	1.94	B
F/23	6	30	ES	63	35	53	Trans	200	1.94	B
F/26	6	30	SES	57	35	47	Trans	200	1.94	B
F/25	6	30	ES	63	35	53		25	1.94	B
F/52	6	48	SES	62	35	49		100	1.21	B
*CPG	6	108	ES	140	32	76		50	5.65	B
*CPR	6	108	MED, PRE	146	32	58.5		50	6.50	B
F/8	12	12	SBC	57	35	40	Trans	100	0.74	B
F/10	12	24	SES	60	38	50	Trans	100	1.94	B
F/3	12	24	SBC	60	38	44	Trans	100	0.74	B
F/4	12	48	SES	70	50	40	S/c Twin Pillar	100	1.21	B
F/38	12	48	SBC	60	38	55	Trans	100	1.21	B
F/13	12	48	ES	70	50	38	S/c Twin Pillar	100	1.84	B
F/14	12	100	ES	85	60	55	C/c Trans	100	3.07	B

*Made in U.S.A.

EXCITER LAMPS CLASS G

These lamps are intended for use in conjunction with photo-electric cells for sound reproduction and similar purposes.

Cat. No.	Volts	Amps.	Cap.	Length mm.	Dia. mm.	Light Centre	Filament	Objective Average Life	Sales	
						Length mm.			Price \$	Tax
G/19	4	0.75	SCC (BA15S)	48	15.5	32	Trans	50	1.94	B
G/1	4	0.75	Prefocus (P15S)	48	25	28.5	Trans	50	1.94	B
G/29	4	0.75	Prefocus (P15S)	57	16	28.5	Trans	50	1.94	B
G/23	5	6.5	Prefocus	75	25	41	Axial	50	1.94	B
G/4	6	1	SCC (BA15S)	40	18	21.5	Axial	100	1.94	B
G/5	6	1	Prefocus (P15S)	57	16	28.5	Axial	100	1.94	B
G/8	8	4	ASCC	75	25	44	Trans	100	1.94	B
G/9	8.5	4	ASCC	75	25	44	Trans	100	1.94	B
G/11	10	5	ASCC	75	25	41	Hs/c	100	1.94	B
G/14	10	7.5	ASCC	75	25	41	Hs/c	100	1.94	B
G/13	10	7.5	Prefocus (P15S)	75	25	37.3	Trans	100	1.94	B

G.E. EXCITER LAMPS

BFX	4	0.75	SC PRE	50.8	25.4	28.5		50	1.94	B
BGB	4	0.75	DC PRE	50.8	25.4	28.5		50	1.94	B
BRK	4	0.75	SC PRE	60	15.8	28.5		50	1.94	B
BRX	6	1	DC PRE	50.8	15.8	28.5		100	1.94	B
BSK	6	1	SC PRE	50.8	15.8	28.5		100	1.94	B
BSS	6	1	SC PRE	60	15.8	28.5		100	1.94	B
BJJ	8.5	4	SCC	79	25.4	44		100	1.94	B

Made in U.S.A.



OSRAM FLUORESCENT LAMPS

FLUORESCENT LAMP COLOURS

A quick guide to the choice of modern Osram Fluorescent Lamps for Stores, Offices, Homes and Industry Lighting

For a COOL and fresh modern atmosphere:

WHITE. Creates a cool atmosphere and is widely preferred for working and selling environments. Used in offices, schools, stores, factories—wherever high light efficiency is more important than appearance of colours.

WHITE de LUXE. Ideal where a cool, fresh atmosphere with excellent rendition of colour is desired and is particularly suitable where blue, grey, green and red colours prevail. It is recommended for use in the home where the furnishings and decorations suggest this atmosphere, also food displays, restaurants, etc.

For a WARM tradition atmosphere:

WARM WHITE. Provides the highest efficiency in white fluorescent lamps. It emphasises orange, yellow, yellow-green and is generally used where highest efficiency is more important than colour rendition and may be used in such places as furniture shops, offices and stores.

WARM WHITE de LUXE. Creates a warm, mellow atmosphere and accents warm colours such as red, yellow and orange. It is the best match for filament lighting and is recommended for use in the home where the furnishings and decorations suggest this atmosphere.

The excellent colour rendition of this tube makes it especially suitable for the illumination of butchers' shops.

OTHER COLOURS

DAYLIGHT. Most closely simulates the appearance and colour-rendering properties of natural daylight. It may be used in stores, factories and offices where colour-rendering simulating natural daylight is desired.

BLUE, GREEN or YELLOW. Available in 80, 40, 30 and 20 Watt Straight Tubes.

LAMP LIFE AND LUMEN OUTPUT

All life ratings of fluorescent lamps are based on the assumption that the lamps are lighted for intervals of three hours—that is three hours per start. The rated average life of Osram Tubular Fluorescent Lamps is 7,500 hours.

Like most lamps, fluorescent lamps gradually decrease in light output during life. The amount of decrease depends on time, the frequency of starting, and of course, the type of lamp. The lumen output at 40% of average rated life serves as an approximate average of lumen output throughout life. This value is important in calculating cost of light for planned lighting installations.

The initial lumen output and efficiency values are established at the end of 100 hours of lamp operation under specified test conditions.

Life and output ratings of fluorescent lamps are based on their use with ballasts that provide the proper voltages and currents. Ballasts that do not provide proper electrical values may substantially reduce either lamp life or light output, or both.

LIGHT OUTPUT AND AMBIENT TEMPERATURE

Light output of fluorescent lamps is greatly affected by the temperature of the surrounding air. Extremes of heat or cold cause marked reduction in the amount of light produced.

Therefore, for indoor use at normal room temperature, the lamps operate most efficiently in the luminaries that are designed to prevent overheating. On the other hand, for outdoor use at low temperatures, fixtures that confine air around the lamps are recommended; the trapped air is heated by the lamps, and may reach temperatures high enough to result in full light output. In a fixture of a given size, the higher the wattage the lamp is, the higher the internal heating of the fixture.

At low air temperatures, light output is further reduced if the lamps are subject to draught. This is an additional reason why the use of bare lamps out of doors in cold weather is not recommended.

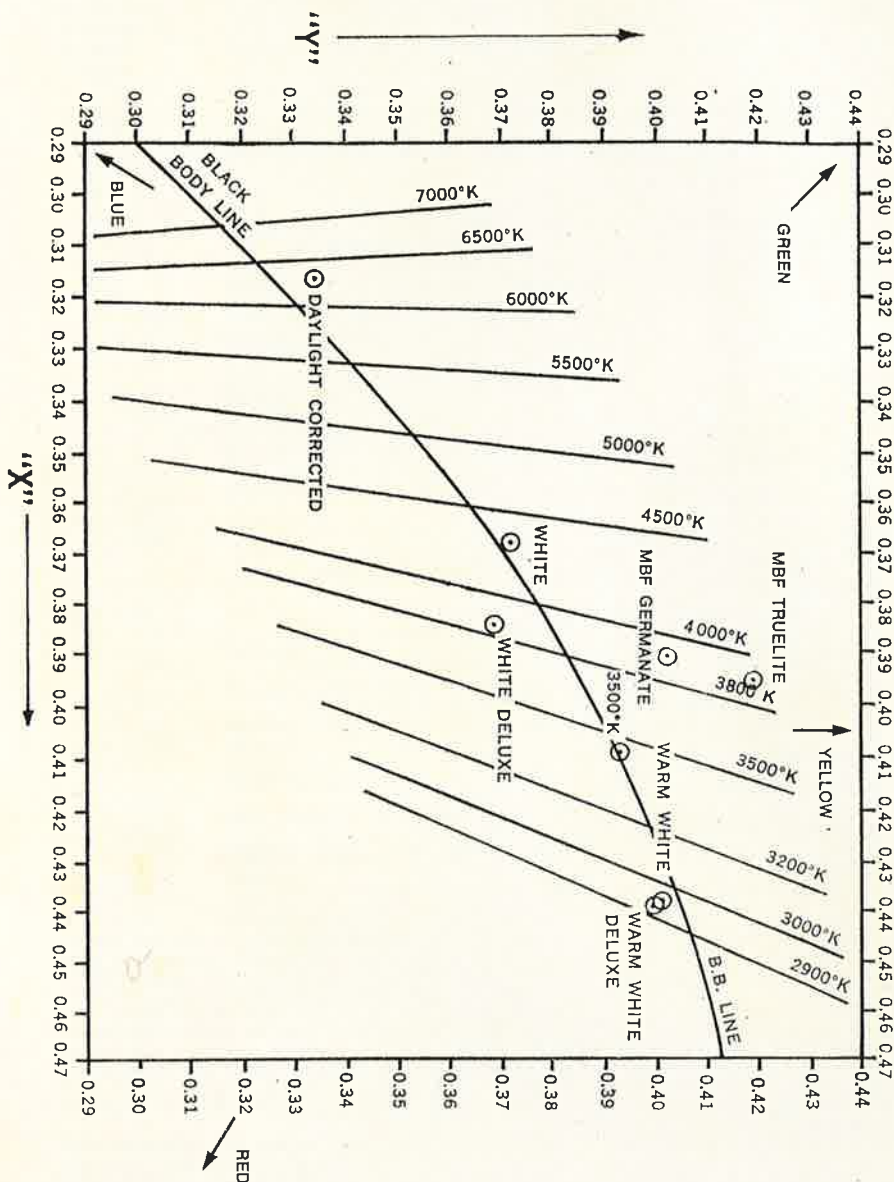
FLUORESCENT LAMPS IN THE HOME

To simplify the choice of colours for fluorescent lighting in the home, two specially chosen colours are available. Both Osram White de Luxe and Warm White de Luxe are suitable for use in most rooms in the home, depending upon the colour of the decorations in use. As a further guide, the following may be used:—

WHITE de LUXE—Ideal where cool, fresh atmosphere with excellent rendition of colours is desired, especially where blues, greys, greens and reds are present.

WARM WHITE de LUXE—Warm, mellow atmosphere recommended to accent warm colours, such as red, yellow and orange, and is best match for filament lighting.

C.I.E. CHROMATICITY CO-ORDINATES FOR OSRAM FLUORESCENT AND M.B.F. MERCURY DISCHARGE LAMPS





COLOUR TEMPERATURES OF FLUORESCENT LAMPS

The Kelvin temperatures have now been superseded in usage by colour co-ordinates as detailed on pages ?? and ??.

However, we list for your reference

Australian			English		
White (W43)	4300° K		White	3500° K	
White De Luxe	3800° K		Daylight	4300° K	
Warm White	3800° K		Daylight 6500	6500° K	
Warm White De Luxe	2930° K		Colour Matching	6500° K	
Daylight (D65)	6500° K		Natural	4200° K	
White (W35)	3500° K		Warm White	2900° K	
			White De Luxe	2800° K	
			De Luxe Warm White	3200° K	

AUSTRALIAN TUBULAR FLUORESCENT LAMPS

PREHEAT—RAPID START

Watts	Type	Length ins.	Dia. ins.	Cap.	Colours	Price \$	Sales Tax
20	MCFE	24	1½	Bipin	White, White De luxe, Warm White, Warm White De luxe, Daylight, 3500° K	0.90	A
40	MCFE	48	1½	Bipin	White, White De luxe, Warm White, Warm White De luxe, Daylight, 3500° K	1.08	A
65	MCFE	60	1½	Bipin	White, Warm White. Daylight, 3500° K	1.80	A

PREHEAT—QUICK START

20	MCFA	24	1½	Bipin	White, Warm White, Daylight, 3500°K	0.90	A
40	MCFA	24	1½	Bipin	White, Price to be released shortly.		
40	MCFA	48	1½	Bipin	White, Warm White, Daylight 3500°K	1.08	A
80	MCFA	60	1½	Bipin	White, Warm White, Daylight, 3500° K	1.80	A

Tungsten Ballast Lamps for use in series with 40w Quick Start Fluorescent Tubes Type 3 with 3 Pin BC Cap. 0.55 A

REFLECTOR TUBULAR LAMPS

PREHEAT—RAPID START

Watts	Type	Length ins.	Dia. ins.	Cap.	Colours	Price \$	Sales Tax
20	MCFER	24	1½	Bipin	White, Warm White, Daylight, White De luxe, 3500° K	0.98	A
40	MCFER	48	1½	Bipin	White, Warm White, Daylight, White De luxe, 3500° K	1.20	A
65	MCFER	60	1½	Bipin	White, Warm White, Daylight, 3500° K	2.52	A

QUICK START

20	MCFAR	24	1½	Bipin	White, Warm White, Daylight, 3500° K	0.98	A
40	MCFAR	48	1½	Bipin	White, Warm White, Daylight, 3500° K	1.20	A
80	MCFAR	60	1½	Bipin	White, Warm White, Daylight, 3500° K	2.52	A

NOTES

PREHEAT-QUICK START tubes still retain the 10v cathode and are now silicone coated. PREHEAT-RAPID START MCFA preheat rapid start tubes are silicone coated and have 3v cathodes against the 10v cathodes used on MCFA quick-start with stripe. MCFA tubes are NOT interchangeable on existing quick-start (switchless) fittings and the MCFA quick-start tube is being manufactured to cater for these installations. The GEC/AEI quick-start circuit is suitable for 240/250 cycle AC mains. The circuit requires the normal auxiliary equipment with the exception of a special cathode pre-heating transformer, which eliminates starters. Alternatively, the normal ballast and starters can be dispensed with by employing a special Osram type 3 ballast lamp in series with each 40w 48" Osram quick-start fluorescent lamp and a small transformer for electrode heating.

REFLECTOR. The internal reflector extends over two-thirds of the circumference. This form of construction gives a considerable increase in the downward light. Primarily intended for simple fittings of the batten type, these reflector tubes reduce maintenance and dirt which tend to collect on the upper surface of the tube.

Sales Tax A = 2½% (No Supplementary Discount)

AUSTRALIAN FLUORESCENT LAMPS TECHNICAL

Type	Colour	Colour Co-ordinates		LUMENS		L/W at 100 Hrs.	L/W Average Through Life
		"X"	"Y"	At 100 Hrs. Nominal	Average Through Life		
20w. Preheat	Warm White	0.438	0.401	1175	1040	58.75	52
Rapid Start	Warm White De Luxe	0.439	0.400	760	654	38	32.7
MCFE	White W 43	0.368	0.371	1150	1018	57.5	50.9
	White De Luxe	0.384	0.368	770	662	38.5	33.1
	Daylight D 65	0.316	0.334	870	748	43.5	37.4
	3,500° K W 35	0.407	0.393	1150	1017	57.5	50.9
20w. Preheat	Warm White	0.438	0.401	1030	886	51.5	44.3
Rapid Start	White W 43	0.368	0.371	1010	869	50.5	43.5
Reflector	White De Luxe	0.384	0.368	700	588	35	29.4
MCFER	Daylight D 65	0.316	0.334	765	643	38.3	32.2
	3,500° K W 35	0.407	0.393	1010	869	50.5	43.5
20w. Preheat	Warm White	0.438	0.401	1175	1040	58.75	52
Quick Start	White W 43	0.368	0.371	1150	1018	57.5	50.9
MCFA	Daylight D 65	0.316	0.334	870	748	43.5	37.4
	3,500° K W 35	0.407	0.393	1150	1017	57.5	50.9
20w. Preheat	Warm White	0.438	0.401	1030	886	51.5	44.3
Quick Start	White W 43	0.368	0.371	1010	869	50.5	43.5
Reflector	Daylight D 65	0.316	0.334	765	643	38.3	32.2
MCFA	3,500° K W 35	0.407	0.393	1010	869	50.5	43.5
40w. Preheat	Warm White	0.438	0.401	2900	2505	75	65.15
Rapid Start	Warm White De Luxe	0.439	0.400	1900	1565	47.5	39.12
MCFE	White W 43	0.368	0.371	2870	2480	71.75	62
	White De Luxe	0.384	0.368	2000	1710	50	42.75
	Daylight D 65	0.316	0.334	2150	1840	53.75	46
	3,500° K W 35	0.407	0.393	2870	2480	71.75	62
40w. Preheat	Warm White	0.438	0.401	2480	2085	62	52.15
Rapid Start	White W 43	0.368	0.371	2460	2065	61.5	51.6
Reflector	White De Luxe	0.384	0.368	1840	1500	46	37.5
MCFER	Daylight D 65	0.316	0.334	1870	1525	46.75	38.15
	3,500° K W 35	0.407	0.393	2460	2065	61.5	51.6
40w. Preheat	Warm White	0.438	0.401	2900	2567	72.5	64.2
Quick Start	White W 43	0.368	0.371	2850	2522	71.25	63.05
MCFA	Daylight D 65	0.316	0.334	2110	1815	52.75	45.4
	3,500° K W 35	0.407	0.393	2850	2522	71.25	63.05
40w. Preheat	Warm White	0.438	0.401	2620	2253	65.5	56.3
Quick Start	White W 43	0.368	0.371	2580	2219	64.5	55.5
Reflector	Daylight D 65	0.316	0.334	1910	1604	47.75	40.1
MCFA							
65w. Preheat	Warm White	0.436	0.403	4900	4215		
Rapid Start	White W 43	0.367	0.373	4800	4130		
MCFE	Daylight D 65	0.315	0.336	3300	2770		
	3,500° K W 35	0.405	0.394	4800	4130		
65w. Preheat	Warm White	0.436	0.403	4200	3610		
Rapid Start	White W 43	0.367	0.373	4200	3610		
MCFER	Daylight D 65	0.315	0.336	2850	2395		
	3,500° K W 35	0.405	0.394	4200	3610		
80w. Preheat	Warm White	0.434	0.404	5300	4615	66.25	57.7
Quick Start	White W 43	0.366	0.374	5200	4530	65	56.63
MCFA	Daylight D 65	0.315	0.337	4000	3370	50	42.13
	3,500° K W 35	0.402	0.395	5200	4530	65	56.63
80w. Preheat	Warm White	0.434	0.404	4600	3725	57.5	46.57
Quick Start	White W 43	0.366	0.374	4500	3650	56.25	45.63
Reflector	Daylight D 65	0.315	0.337	3500	2700	43.75	33.75
MCFA	3,500° K W 35	0.402	0.395	4500	3650	56.25	45.63

% SPECTRAL DISTRIBUTION

	Far Violet	Violet	Blue	Blue Green	Green	Yellow	Light Red	Dark Red
Warm White	.006	.25	.14	2.23	27.3	59.2	10.7	.21
Warm White De Luxe	.003	.15	.22	4.48	33.9	44.1	16.2	.93
White W 43	.010	.28	.33	4.97	36.4	49.9	7.94	.17
White De Luxe	.009	.37	.30	6.01	39.0	40.0	13.5	.77
Daylight D 65	.014	.41	.57	9.6	45.4	33.8	9.6	.54
3500° K W 35	.008	.25	.24	3.42	31.9	55.2	8.82	.17



ENGLISH TUBULAR FLUORESCENT LAMPS TYPE MCFE-U

These tubes are now made with a special silicone material which makes them universal, suitable for switch or switchless start circuits.

Watts	Length ins.	Dia. ins.	Cap.	Colours	Price \$	Sales Tax
† 6	9	9/16	Miniature Bipin	White, Daylight, Warm White	1.15	A
† 8	12	9/16	Miniature Bipin	White, Daylight, Warm White	1.15	A
13	21	9/16	Miniature Bipin	White	1.15	A
15	18	1	Bipin	Natural, Daylight, White, Warm White	1.03	A
15	18	1	Bipin	Colour Matching, De Luxe Warm White	1.20	A
20	24	1½	Bipin	Colour Matching, De Luxe Natural, De Luxe Warm White	1.30	A
20	24	1½	Bipin	Red, Blue, Green, Yellow	1.61	A
30	36	1	Bipin	Natural, Daylight, White, Warm White	1.26	A
30	36	1	Bipin	Colour Matching, De Luxe Warm White	1.65	A
40	24	1½	Bipin	Natural, White, Daylight, Warm White	1.62	A
40	48	1½	Bipin	Colour Matching, De Luxe, Natural, De Luxe Warm White	1.46	A
40	48	1½	Bipin	Red, Blue, Green, Yellow	1.92	A
80	60	1½	BC	Natural, Daylight, Warm White	1.80	A
80	60	1½	BC	Red, Blue, Green, Yellow	2.89	A
*90	60	2½	Mogul Bipin	Cool White	4.70	B
125	96	1½	BC, RDC, Bipin	Natural, White, Daylight	3.75	B

† Switchstart

*Made in U.S.A.

The Light Blue (475) is the correct source for photographic (silver) black and white printing and copy board illumination. These tubes are suitable for both switch and switchless start circuits.

Watts	Length	Dia.	Cap.	Type	Price \$	Sales Tax
40	24"	1½"	Bipin	Light Blue (475)	3.07	B

BLACKLIGHT FLUORESCENT LAMPS

There are two kinds of black light fluorescent lamps: BL and BLB types. The BL lamps differ from standard fluorescent lamps only in the composition of the phosphor which radiates most of its energy in the near-ultraviolet region, peaking at about 350 millimicrons.

The BLB lamps are much like the BL lamps but have an added feature in that the tubes are made from a special filter glass. The glass absorbs nearly all of the visible light and transmits a high percentage of near-ultraviolet energy thus making external filters unnecessary.

Note BLB Types. Emission approx. to 3,600A units and uses Wood Glass Filter, i.e. Purple Glass.

Cat. No.	Watts	Cap.	Length	Type	Start	Price \$	Sales Tax
F4T5/BL	4	Min. Bipin	6" x ⅝"	Blue Actinic	Switch	2.40	B
F4T5/BLB	4	Min. Bipin	6" x ⅝"	(Black) U.V.	Switch	3.40	B
F6T5/BL	6	Min. Bipin	9" x ⅝"	Blue Actinic	Switch	1.85	B
F6T5/BLB	6	Min. Bipin	9" x ⅝"	(Black) U.V.	Switch	3.40	B
F8T5/BL	8	Min. Bipin	12" x ⅝"	Blue Actinic	Switch	2.20	B
F8T5/BLB	8	Min. Bipin	12" x ⅝"	(Black) U.V.	Switch	3.40	B
F15T8/BL	15	Med. Bipin	18" x 1"	Blue Actinic	Switch	1.53	B
F15T8/BLB	15	Med. Bipin	18" x 1"	(Black) U.V.	Switch	5.20	B
F20T12/BL	20	Med. Bipin	24" x 1½"	Blue Actinic	Switch	1.65	B
F20T12/BLB	20	Med. Bipin	24" x 1½"	(Black) U.V.	Switch	7.25	B
F30T8/BL	30	Med. Bipin	36" x 1"	Blue Actinic	Switch	1.86	B
F30T8/BLB	30	Med. Bipin	36" x 1"	(Black) U.V.	Switch	7.25	B
F40T12/BL	40	Med. Bipin	48" x 1½"	Blue Actinic	Switch	2.45	B
F40T12/BLB	40	Med. Bipin	48" x 1½"	(Black) U.V.	Switch	7.50	B

Technical details, see Page 39.

Sales Tax A = 2½% (No Supplementary Discount)

Sales Tax B = 15% (Supplementary Discount 6%)

TECHNICAL DETAILS ENGLISH FLUORESCENT LAMPS

Co-ordinates % Spectral Distribution

Top Figure—Lumens at 100 Hrs. Bottom Figure—Lumen/Watts at 100 Hrs. in Brackets.

Colour	X	Y	Far Violet	Violet	Blue	Blue/Green	Green	Yel-low	Light Red	Dark Red	6W	8W	13W	15W	20W	30W	40W (24")	40W	50W	65/80W	80W	125W
White	.405	.391	.01	.28	.25	3.8	34.2	52.0	9.2	.18	275 (46)	410 (51)	775 (60)	735 (49)		2000 (67)	1760 (44)				5300 (66)	9000 (72)
Natural	.375	.360	.014	.37	.35	5.0	36.1	48.5	9.4	.25				600 (40)		1550 (51)	1410 (35)				4080 (51)	6700 (53)
Warm White	.439	.403	.008	.26	.15	2.2	30.7	56.6	9.9	.2	295 (49)	435 (54)		770 (51)		2050 (68)	1900 (47)				5450 (68)	
Warmtone	.452	.412	.005	.23	.05	1.25	34.7	50.4	12.9	.62		220 (28)		600 (40)	920 (46)	1580 (52)	2150 (54)				4000 (50)	
Daylight	.368	.369	.013	.34	.37	5.6	39.0	46.7	7.8	.22	280 (47)	400 (50)		740 (49)		1950 (65)	1680 (42)				5200 (65)	8400 (67)
Daylight 6500	.309	.327	.014	.37	.54	8.4	42.3	41.7	6.5	.15					800 (40)							
Colour Matching	.313	.323	.021	.47	.62	9.0	43.6	37.1	8.9	.28				570 (38)	820 (41)	1440 (48)	1900 (47)					
De Luxe Natural	.375	.355	.014	.41	.38	6.3	43.0	33.3	15.3	1.33							1480 (37)					
Blacklight 350			.022	1.33			73.5	25.3														
Light Blue 475	.230	.270	.029	.66	.05	14.8	55.0	24.5	3.8	.13												
Red	.689	.308					1.0	20.5	73.1	5.4					66 (3.3)		160 (4)				320 (4)	
Blue	.188	.176	.13	1.5	2.3	17.8	57.9	18.6	1.76	.02					240 (12)		560 (14)				1200 (15)	
Green	.227	.610	.005	.17	.03	5.2	79.0	13.9	.65	.02					1020 (51)		2000 (50)				4000 (50)	
Yellow	.540	.447				.1	22.1	63.5	14.0	.43					510 (25.5)		1200 (30)				2400 (30)	

NOTE: average Lumens throughout life approximately 15% lower



G.E. CIRCULAR FLUORESCENT LAMPS

Cat. No.	Watts	Dia. ins.	Cap.	Colour	Price \$	Sales Tax
FC8T9/CW	22	8½	4 pin	Cool White	3.57	A
FC8T9/WW	22	8½	4 pin	Warm White	3.57	A
FC8T9/D	22	8½	4 pin	Daylight	3.57	A
FC12T10/CW	32	12	4 pin	Cool White	3.57	A
FC12T10/WW	32	12	4 pin	Warm White	3.57	A
FC12T10/D	32	12	4 pin	Daylight	3.57	A
FC16T10/CW	40	16	4 pin	Cool White	3.85	A
FC16T10/WW	40	16	4 pin	Warm White	3.85	A
FC16T10/D	40	16	4 pin	Daylight	3.85	A

Made in U.S.A.

G.E. FLUORESCENT LAMPS

Cat. No.	Watts	Cap.	Length ins.	Dia. ins.	Colour	Price \$	Sales Tax
F25T12/D/28	25	Bipin	28	1½	Daylight	2.00	A
F25T12/CW/33	25	Bipin	33	1½	Cool White	2.00	A

Made in U.S.A.

GERMICIDAL EFFECTS OF ULTRAVIOLET ENERGY

Ultraviolet energy is bactericidal, its effectiveness being primarily a product of intensity and time. Many studies have shown that this lethal effect increases rapidly as the ultraviolet wavelength decreases. As shown in Fig 1, the bactericidal effect of spectral energy becomes pronounced at around 3,000 Angstroms and peaks at around 2,600 Angstroms—the region of greatest output from germicidal lamps. Ultraviolet energy is emitted by the sun. The ultraviolet end of the sun's spectrum, however, does not extend below the region of 2,950 Angstroms, because of the earth's protective atmosphere. Although the high intensity of sunlight makes up somewhat for the lack of energy in these lower wavelengths, the germicidal effectiveness of sunlight varies enormously with the hour of the day and also with the seasons. Germicidal lamps, however, are available at all times for production of ultraviolet energy.

GERMICIDAL FLUORESCENT LAMPS

Cat. No.	Watts	Cap.	Dimension	Colour	Type/Start	Price \$	Sales Tax
G15T8	15	Med. Bipin	18" x 1"	Clear	Switch	5.11	B
G30T8	30	Med. Bipin	36" x 1"	Clear	Switch	7.68	B

Fig. 1 — Curve showing the relative bactericidal effectiveness of radiant energy.

NOMENCLATURE OF FLUORESCENT—MERCURY—SODIUM DISCHARGE LAMPS

PREFIX LETTERS

A	Glass Envelope loaded above 10 watts/cm of arc length.
B	Quartz Envelope loaded below 100 watts/cm of arc length.
C	Glass Envelope loaded below 10 watts/cm of arc length.
D	Quartz Envelope with forced liquid cooling.
E	Quartz Envelope loaded above 100 watts/cm of arc length.
F	Fluorescent Coated Bulb.
I	Integral.
L	Linear.
M	Mercury.
R	Reflector.
SO	Sodium.
T	Tungsten.
W	Wood's Glass Bulb.
X	Stannous Oxide Coated Bulb.

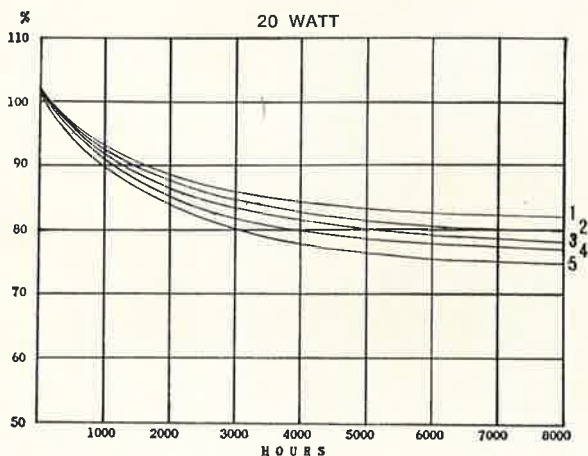
SECONDARY LETTER

/D	Vertical Cap down burning position.
/H	Horizontal burning position.
/U	Universal (any).
/V	Vertical Cap up.

The secondary letter and numbers on Australian fluorescent lamps denote colour and colour temperature.

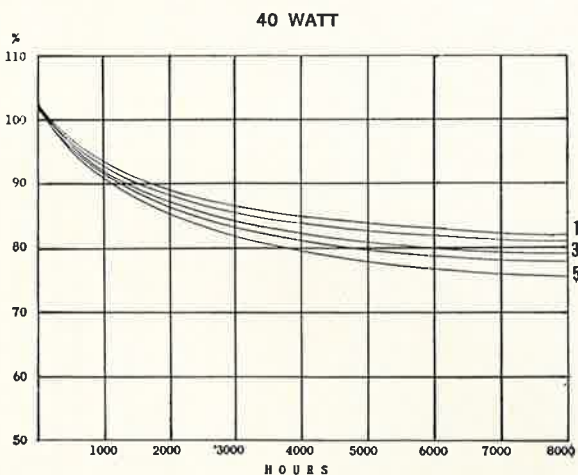
Sales Tax B = 15% (No Supplementary Discount)

TUBULAR FLUORESCENT LAMPS AVERAGE LUMEN DEPRECIATION CURVES



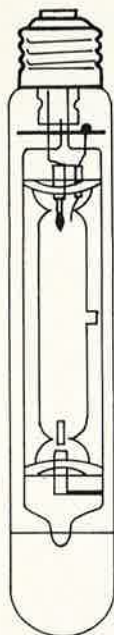
CURVE REFERENCE TABLE FOR LAMP TYPE AND COLOUR

COLOUR	MCF	MCFR
Warm White	1	3
Warm White De Luxe	4	—
White	1	3
White De Luxe	2	5
Daylight	2	5

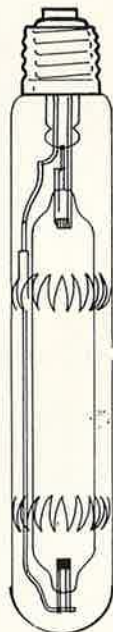


CURVE REFERENCE TABLE FOR LAMP TYPE AND COLOUR

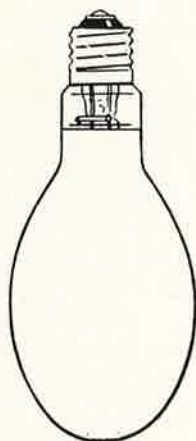
COLOUR	MCFE	MCFER	MCFA	MCFAR
Warm White	1	3	1	3
Warm White De Luxe	4	—	4	—
White	1	3	1	3
White De Luxe	2	5	2	5
Daylight	2	5	2	5



400W MB/U clear



400W MA/V clear



400W MBF/U



400W Solarcolour
(H.P.S.)

MERCURY DISCHARGE LAMPS

MERCURY DISCHARGE COLOUR CORRECTED TYPE MBF-U

The germanate based phosphor coating recently adopted for the MBF series raises the red content of the emitted light to about 9%, considerably improving the colour rendering properties and making these lamps very suitable for street lighting and interior lighting in factories or similar installations. The 250W and 400W MBF/U are interchangeable with and will provide direct replacements of standard MA/MB types.

Type	Volts	Watts	Cap.	Length mm.	Dia. mm.	Light Centre Length mm.	Price \$	Sales Tax
MBF/U	220/250	80	3 pin BC, ES	160	80	120	4.29	B
MBF/U	220/250	125	ES, GES, 3 pin BC	178	88	133	5.11	B
MBF/U	220/250	250	GES	223	90	150	9.20	B
MBF/U	220/250	400	GES	280	120	177.5	12.27	B
MBF/U	220/250	700	GES	320	143	208	16.87	B
MBF/U	410/450	1,000	GES	350	165	212	21.47	B

LIGHT OUTPUT AND RUNNING CHARACTERISTICS

Type	Watts	Nominal Average Output Throughout Life (Lumens)	P.F. Capacitor m.f.d.	Approximate Starting Current at 240 Volts Without Capacitor Amp.	With Capacitor Amp.	Nominal Running Current Without Capacitor Amp.	With Capacitor Amp.
MBF/U	80	2,850	8	1.35	0.8	0.8	0.48
MBF/U	125	5,000	8	1.55	1.12	1.10	0.67
MBF/U	250	11,000	15	2.91	2.27	2.2	1.4
MBF/U	400	20,000	20	5.6	3.87	3.2	2.3
MBF/U	700	33,600	28	8.88	6.84	5.3	3.85
MBF/U	1,000	52,000	5	6.78	6.1	3.6	3.1

Objective average life: 7,500 hours.

MERCURY DISCHARGE COLOUR CORRECTED TOPLITE REFLECTOR TYPE MBFR-U

This new lamp has an internal silvered bulb of specially designed contours. Manufactured with a hard glass outer bulb, the lamp is suitable for exposed situations with protection required for only the cap and holder.

Type	Volts	Watts	Cap.	Length mm.	Dia. mm.	Average Lumen Through Life	Price \$	Sales Tax
MBFR/U	220/250	250	GES	250	168	10,250	14.31	B
MBFR/U	220/250	400	GES	275	183	17,200	16.87	B
MBFR/U	220/250	700	GES	312	203	30,800	22.49	B
MBFR/U	410/450	1,000	GES	350	250	45,000	25.56	B

Objective average life: 7,500 hours.

Sales Tax B = 15% (No Supplementary Discount)

MERCURY DISCHARGE MA/V AND MB/U LAMPS

Osram mercury lamps are used in industry for workshop and yard lighting, also for street lighting, car parks, railway stations, bridges, city buildings, etc.

Suitable for use on 200-260V A.C. supply only, and must be used in conjunction with a specially designed choke.

Type	Volts	Watts	Cap.	Length mm.	Dia. mm.	Light Centre Length mm.	Price \$	Sales Tax
MA/V	230/240, 250	250	GES	290	48	170	7.62	B
MB/U	230/240, 250	80	3 pin BC, ES	160	80	113	3.37	B
MB/U	230/240, 250	125	3 pin BC, ES	178	90	128	4.09	B
MB/U	230/240, 250	250	GES	290	48	170	8.38	B
MB/U	230/240, 250	400	GES	280	50	190	10.22	B
MB/U	415/450	1,000	GES	335	165	200	20.45	B

LIGHT OUTPUT AND RUNNING CHARACTERISTICS

Type	Watts	Nominal Average Output Throughout Life (Lumens)	P.F. Capacitor m.f.d.	Approximate Starting Current at 240 Volts Without Capacitor Amp.	With Capacitor Amp.	Nominal Running Current Without Capacitor Amp.	With Capacitor Amp.
MA/V	250	8,750	15	2.91	2.27	2.2	1.4
MB/U	80	2,700	8	1.35	0.8	0.8	0.48
MB/U	125	4,900	8	1.55	1.12	1.10	0.67
MB/U	250	11,000	15	2.91	2.27	2.2	1.4
MB/U	400	20,000	20	5.06	3.87	3.2	2.3
MB/U	1,000	52,000	5	6.78	6.1	3.6	3.1

Objective average life: 7,500 hours.



DISCHARGE LAMPS—MBF/U TRUELITE

An additional range of MBF lamps called TRUELITE is now available. These lamps are directly interchangeable with standard MBF lamps.

TRUELITE lamps have higher lumen outputs than standard (GERMANATE) MBF lamps. Another advantage is that TRUELITE lamps have much improved colour to provide better rendering of flesh tones achieved by using a new phosphor, Europium Activated Yttrium Vanadate.

TRUELITE lamps are available in 50w, 80w, 125w, 250w, 400w and 700w ratings and the lighting design linear values are:

50w	TRUELITE	1,950 Lumens
80w	TRUELITE	3,600 Lumens
125w	TRUELITE	6,250 Lumens
250w	TRUELITE	13,500 Lumens
400w	TRUELITE	23,000 Lumens
700w	TRUELITE	39,000 Lumens

CHROMATICITY CO-ORDINATES

TRUELITE	X = 0.395	Y = 0.419
GERMANATE	X = 0.390	Y = 0.401

Objective Average Life (TRUELITE) = 7,500

PRICES AND DIMENSIONS: Same as for Standard MBF/U lamps.

ULTRA VIOLET (BLACK) TYPE MBW-U

A Mercury lamp with a Woods glass bulb which absorbs practically all visible radiation. Marked articles invisible under normal light fluoresce under this lamp. A wide variety of applications such as display for entertainment purposes, preparation of optically flat surfaces, detecting forgeries and to excite fluorescent powders and paints, etc.

Type	Volts	Watts	Cap.	Length mm.	Dia. mm.	Light Centre Length mm.	Price \$	Sales Tax
MBW/U	220/250	125	3 pin BC	183	90	128	7.67	B

LABORATORY LAMPS

These lamps are suitable for a number of applications in the laboratory, including spectroscopy, polarimetry, refractometry and interferometry.

Cat. No.	Volts	Electrode Heating Current	Cap.	Type	Price
		Amps.			
SL/D1.3	240 A.C.	1.3	4 pin	Sodium	On application
SL/D1.3	240 D.C.	1.3	4 pin	Sodium	
ML/D2.0	240 A.C.	2.0	4 pin	Mercury	
CL/D2.0	240 A.C.	2.0	4 pin	Cadmium	
CML/D2.0	240 A.C.	2.0	4 pin	Cadmium/ Mercury	

Stand and resistance for operating Mercury, Cadmium and Cadmium plus Mercury Laboratory lamps at 2 amps.

Stand and resistance for operating Sodium Laboratory lamps at 1.3 amps. Prices and full details regarding Spectrum Characteristics and method of operation available on application.

MERCURY HALIDE (MBI)

Colour	Volts	Watts	Cap.	Length mm.	Dia. mm.	Light Centre Length Nominal	Price \$	Sales Tax
Blue	230/250	400	GES	280	65	175	18.40	B
Green	230/250	400	GES	280	65	175	18.40	B

Lighting Design Lumens: Blue = 6,000; Green = 26,000.

Average life both colours = 3,000 hours.

Sales Tax B = 15% (No Supplementary Discount)



DUAL LAMPS TYPE MBFT-V

Osram dual lamps are designed for commercial and industrial lighting, and combine in one bulb a mercury discharge and a tungsten incandescent filament which, besides emitting light, acts as a ballast in series with the discharge and dispenses with the necessity of an external choke.

Type	Volts	Watts	Cap.	Finish	*Nominal Average Output Throughout Life (Lumens)	Length mm.	Dia. mm.	Light Centre Length mm.	Price \$	Tax
MBFT/V240/250		160	ES, BC	Pearl	1,920	174	75	D = 128 F = 133	6.13	B

D = Discharge. F = Filament.

*This value is associated with an extended life.

Objective average life: 8,000 hours.

SODIUM DISCHARGE LAMPS

HIGH PRESSURE SODIUM — SOLARCOLOUR

For a long time, lamp technologists have been striving to produce light sources of good colour quality combined with the higher luminous efficiency. It has been known for many years that a discharge through Sodium vapour at a pressure of approximately one third of an atmosphere would provide such a light source.

The major advantages of the Solarcolour lamp can be summarised as follows:

1. High Luminous Efficiency—Cuts Electricity Costs;
2. Good colour appearance and rendition—helps to create an attractive environment;
3. Small size discharge tube—facilitates better optical control.

Volts	Watts	Cap.	Length mm.	Dia. mm.	L.C.L. mm.	Sales Tax
200/240	310	GES	292	52	175	B
220/240	400	GES	292	52	175	Price on Application B
380/415	600	GES	340	66	200	B
650	1,000	GES	400	91	240	B

CHARACTERISTICS OF SOLARCOLOUR

Rating	310w	400w	600w	1000w
Arc Length (mm.)	90	90	135	200
Arc Voltage (volts)	120 ± 20	120 ± 20	200 ± 30	330 ± 40
Arc Current (amps)	3.2	4.0	3.7	4.0
Initial Lumens	27,000	40,000	60,000	100,000
Lighting Design (lumens)	25,000	38,990	57,000	95,000
Brightness (STILB) 2,000 hours	560	810	810	960

Chromaticity Co-ordinates: X = 0.526, Y = 0.418.

Luminosity in 8 Bands:

1	2	3	4	5	6	7	8
0.002	0.026	0.090	2.30	11.4	72.8	13.0	0.38

Life: 6,000 hours, objective average.

Run up time to full brightness: 7 minutes maximum.

SODIUM LAMP TYPE SO-H

Osram sodium lamps are used for floodlighting and street lighting. The inner tube, where the sodium discharge takes place, and the detachable jacket which maintains the inner tube at an even temperature, can be replaced independently. Must be used on A.C. supply only in conjunction with special auto transformer.

Burning Position.

45 and 60W from 5° cap down to vertical cap up. 85 and 140W from 5° cap down to 20° cap up.

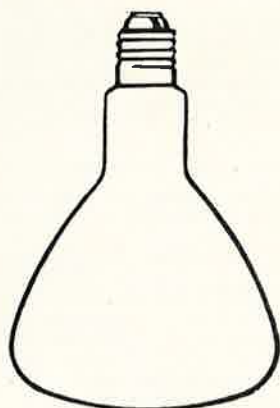
Volts	Watts	Cap.	*Nominal Average Output Throughout Life (Lumens)	Length mm.	Dia. mm.	Light Centre Length	Lamps Only \$	Jacket Only \$	Sales Tax
230/240, 250	45	Ceramic BC	2,565	238	50	140	5.62	3.58	B
230/240, 250	60	Ceramic BC	3,720	300	50	170	6.65	3.88	B
230/240, 250	85	Ceramic BC	5,950	415	50	230	7.67	4.60	B
230/240, 250	140	Ceramic BC	9,800	518	65	280	9.71	5.62	B

*This value is associated with an extended life.

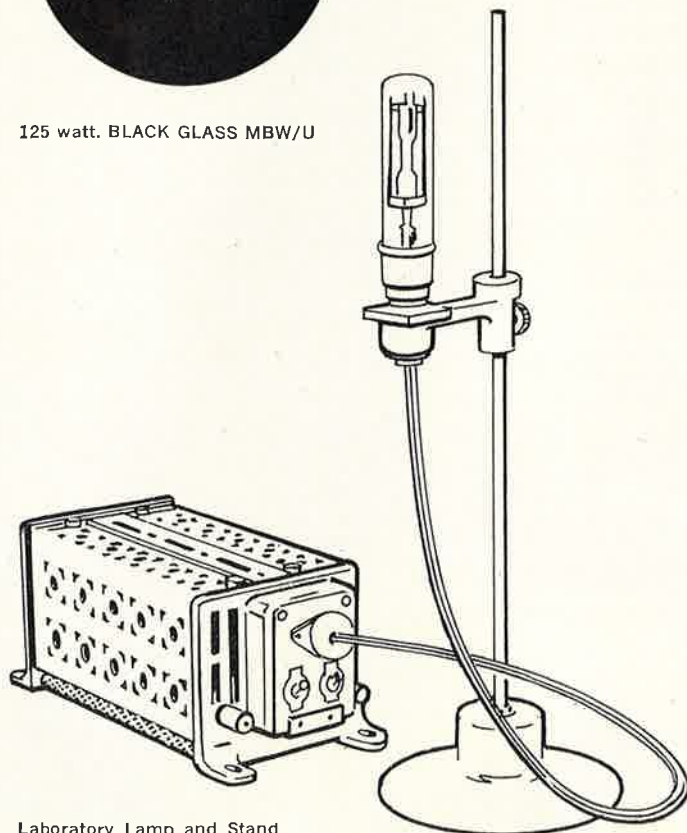
Sales Tax B = 15% (No Supplementary Discount)



125 watt. BLACK GLASS MBW/U



400W MBFR/U Toplite Reflector



Laboratory Lamp and Stand

INTEGRAL SODIUM TYPE SOI-H

Osram integral jacket sodium lamps represent an advance in discharge tube design. Capable of directly replacing the well-known detachable jacket type, these lamps are even more efficient. The new large-bore arc tube enables a lower current density to be employed, as heat losses by radiation are minimised by the use of concentric shields to enclose the arc tube. The complete assembly is held within the outer exhausted envelope by a resilient mounting. The integral construction reduces the number of vulnerable glass surfaces and presents no dead air space to trap moisture and dust. Integral lamps are not affected by conditions of high humidity, ensuring reliable starting throughout life.

			*Nominal Average Output	Length mm.	Dia. mm.	Light Centre Length mm.	Price \$	Sales Tax
Volts	Watts	Cap.	Throughout Life (Lumens)					
200/250	85	Mycalex BC	6,460	415	50	230	11.25	B
200/250	140	Mycalex BC	10,690	518	65	280	12.27	B
200/250	280	4 pin	22,400	509	65	280	25.56	B

Information regarding other wattages on application.

Special 4 pin holder for use with 280W integral sodium, \$1.20.

SODIUM LAMP TYPE SUPER SOX

The latest development in sodium lamps, Osram SOX lamps are a high efficiency Stannous oxide (tin) coated lamp similar in appearance to the SOI/H range. Due to this ultra thin coating, which is relatively transparent, the vapour pressure is maintained at its optimum efficiency level, thus allowing a greater light output for a given physical size. This, in effect, means that a 90 watt SOX lamp is equivalent to, and will work off the same control gear, as a 140 watt SO/H or SOI/H, with a corresponding saving in consumption. These new SOX lamps will eventually replace the SO/H and SOI/H range and have a fixed jacket.

Former SOX Lamp		Cap.	Length mm.	Dia. mm.	Price \$	Sales Tax
Watts	Rating Voltage					
35	40	70 Mycalex BC	310	50	9.20	B
55	60	108 Mycalex BC	425	50	11.25	B
90	100	112 Mycalex BC	528	65	12.27	B
135	150	166 Mycalex BC	775	65	15.33	B
180	200	243 Mycalex BC	1,120	65	20.45	B

CHARACTERISTICS FOR SOX LAMPS

A new unique G.E.C. process permits dimple free construction and freedom from Sodium migration.

This results in:

1. 5% more design lumens.
2. Greater reliability.
3. Life-long maintenance of wattage and luminous efficiency.

LAMP DATA

	35w	55w	90w	135w	180w*
Wattage	35w	55w	90w	135w	180w*
Lamp current	0.6A	0.58A	0.92A	0.92A	0.92A
Lighting design lumens	4,750	7,850	13,500	23,000	31,500
Guaranteed life	4,000	4,000	4,000	4,000	4,000
Rated life	6,000	6,000	6,000	6,000	6,000
Burning position	20° above horizontal (cap down) to vertical cap up				
Lamp length (mm.) Max.	310	425	528	775	1,120
Lamp diameter (mm.) Nom.	50	50	65	65	65

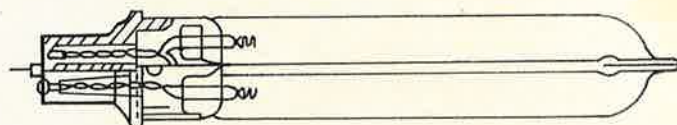
LINEAR SODIUM TYPE SLI-H

The outer envelope of the lamp is internally coated with a gold film which transmits the visible sodium light but acts as a reflector to the infra-red radiation. The heat reflection helps to maintain the correct sodium vapour pressure in the arc tube for optimum light output. The gold film replaces the glass heat retaining sleeves, producing a more robust and lighter lamp.

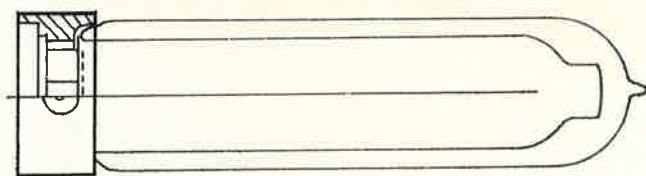
			Average Lumens				
Volts	Watts	Cap.	Throughout Life	Length mm.	Dia. mm.	Price \$	Sales Tax
200/250	60	Bipin	5,700	426	38	11.25	B
200/250	160	Bipin	20,000	908	38	13.80	B
200/250	200	Bipin	20,000	909	38	16.36	B

Burning position of 60w, 160w and 200w linear type must be operated within 20° of the horizontal position. If tilted beyond these limits, lamp performance may be seriously impaired.

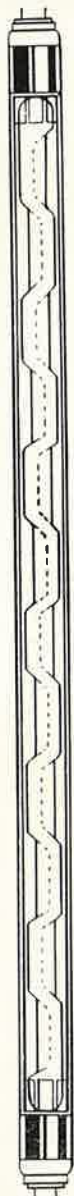
Conversion of millimetres, see Page 7.
Sales Tax B = 15% (No Supplementary Discount)



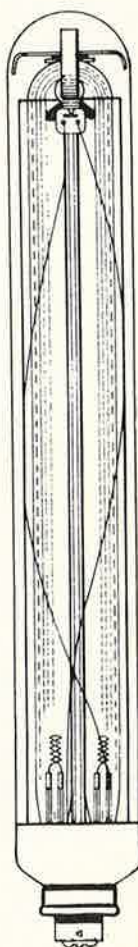
SO/H 45W: Inner



45W: Jacket



SLI/H
200W Linear Sodium



SOI/H
140W: Integral Sodium

MINIATURE AND AUTOMOTIVE LAMPS

TELEPHONE SWITCHBOARD INDICATORS

Volts	Amps.		Length mm.	Dia. mm.	Filament	Type	Net Price of 100 Quantities	Less Than 100	Sales
	Min.	Max.					\$		Tax
4	.230	.270	45	6.5	Metal	No. 2	21.51	46c	B
6	.037	.043	45	6.5	Metal	No. 2	21.51	each	B
12	.093	.108	45	6.5	Metal	No. 2	21.51	less	B
17	.041	.055	45	6.5	Metal	No. 2	21.51	33 1/3%	B
24	.093	.108	45	6.5	Metal	No. 2	21.51		B
40	.06	.076	45	6.5	Carbon	No. 2	21.51		B
50	.093	.12	45	6.5	Carbon	No. 2	21.51		B
60	.057	.063	45	6.5	Metal	No. 2	21.51		B

TUBULAR RADIO PANEL LAMPS

Used for illuminating radio dials, panels, indicators, etc. (packed in boxes of 10).

							All Other Buyers		
Cat. No.	Volts	Amps.	Cap.	Length mm.	Dia. mm.	Radio and TV Mfrs.	Net Price Per 100	Price each —33 1/3%	Sales
						Net Price Per 100	Per 100 for 100 and over	Quantities Under 100	Tax
OS84	6.3	0.15	MES	28.5	10		3.95	4.50 each 12c	C
OS84M	6.3	0.15	MCC	28.5	10		3.95	4.50 each 12c	C
OS81	6.3	0.25	MES	28.5	10		3.95	4.50 each 12c	C
OS81M	6.3	0.25	MCC	28.5	10		3.95	4.50 each 12c	C
OS78	6.3	0.32	MES	28.5	10		3.95	4.50 each 12c	C
OS78M	6.3	0.32	MCC	28.5	10		3.95	4.50 each 12c	C
OS7593	12	0.1	MES	28.5	10		6.54	6.54 each 15c	C
*GE.41	2.5	0.5	MES	28	10			0.09 ea. 0.15	C
*GE.42	3.2	0.35	MES	28	10			0.12 ea. 0.18	C
*GE.43	3.2	0.5	MCC	28	10			0.09 ea. 0.15	C
*GE.44	6.3	0.25	MCC	28	10			0.09 ea. 0.15	C
*GE.45	3.2	0.35	MCC	28	10			0.09 ea. 0.15	C
*GE.48	2	0.06	MES	28	10			0.09 ea. 0.15	C
*GE.49	2	0.06	MCC	28	10			0.09 ea. 0.15	C
*GE.259	6.3	0.25	Wedge	27	10			0.12 ea. 0.18	C
*GE.1813	14.4	0.10	MCC	28	10			0.14 ea. 0.20	C

*Made in U.S.A.

ROUND BULB RADIO PANEL LAMPS (Packed in boxes of 10)

							All Other Buyers		
Cat. No.	Volts	Amps.	Cap.	Length mm.	Dia. mm.	Radio and TV Mfrs.	Net Price Per 100	Price each —33 1/3%	Sales
						Net Price Per 100	Per 100 for 100 and over	Quantities Under 100	Tax
OS64	6	0.04	MES	23	11		6.43	7.38 each 15c	C
OS66	6	0.06	MES	23	11		6.43	7.38 each 15c	C
OS76	6.3	0.11	MES	23	11		3.95	4.50 each 12c	C
*GE12	6.3	0.15	2 pin min	24	11			0.12 each 18c	C
OS75	6.5	0.3	MES	23	11		3.95	4.50 each 12c	C
OS75M	6.5	0.3	MCC	23	11		3.95	4.50 each 12c	C

*Made in U.S.A.

FLASHLIGHT LAMPS

							Trade for quantities 100 & over			
Cat. No.	Volts	Amps.	Cap.	Length mm.	Dia. mm.	Bulb Shape	Trade for quantities under 100	Trade for quantities 100 & over	Retail \$	Sales Tax
							\$			
*GE112	1.2	0.22	MES	24	10	Lens End	0.08		0.12	A
OS71	1.5	0.2	MES	23	11	Round	0.05		0.07	A
OS99	2.2	0.25	MES	24	10	Lens End	0.06		0.08	A
OS43	2.5	0.2	MES	23	11	Round	0.05		0.07	A
*GE222	2.25	0.25	MES	24	10	Lens End	0.08		0.12	A
OS67	2.5	0.3	Prefocus	31	11	Round	0.06		0.08	A
*PR6	2.5	0.3	Prefocus	32	11	Round	0.08	Trade less 5%	0.12	A
OS45	2.5	0.3	MES	23	11	Round	0.05		0.07	A
OS68	3.5	0.3	Prefocus	31	11	Round	0.06		0.08	A
OS52	3.8	0.3	MES	23	11	Round	0.05		0.07	A
OS65	4.5	0.3	MES	23	11	Round	0.05		0.07	A
*PR13	4.75	0.5	Prefocus	32	11	Round	0.08		0.12	A
OS69	5.0	0.15	MES	27.5	15	Round	0.05		0.07	A
*PR12	5.95	0.5	Prefocus	32	11	Round	0.11		0.16	A
OS63	6.0		Prefocus				0.05		0.08	A
OS70	6.2	0.3	MES	27.5	15	Round	0.05		0.07	A

*Made in U.S.A.

SEALED BEAM HAND LANTERN

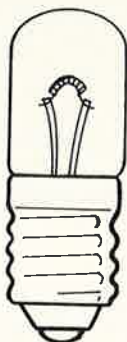
Cat. No.	Volts	Watts	Size	Description	Price \$	Sales Tax
4546	4.7	0.5	PAR36	Hand Lantern	2.50	B

Made in U.S.A.

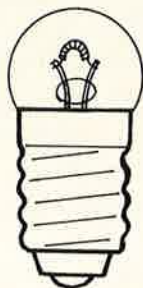
Sales Tax A = 2½% (No Supplementary Discount)



Telephone switchboard



Tubular M.E.S. cap



11 mm. round bulb M.E.S. cap



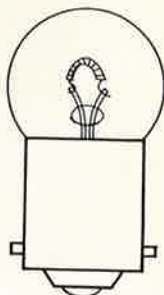
Prefocus flashlamp



Cycle dynamo
15 mm. headlight granulated
finish M.E.S. cap



Lens end flashlamp



Cycle dynamo
18 mm. headlight
S.C.C. cap



CYCLE DYNAMO LAMPS

The granulated finish smoothes out the striations in the beam, giving a more uniform light.

HEADLIGHTS

Cat. No.	Volts	Amps.	Cap.	Length mm.	Dia. mm.	Finish	Net Price Per	Price Each	Sales Tax
							100 for Quantities 100 and Over	—33 1/3% for Quantities Under 100	
979	6	0.3	SCC	32.5	18	Clear	8.26	15c	B
980	6	0.5	SCC	32.5	18	Clear	8.26	15c	B
OS200	6	0.3	MES	28.5	15	Clear	3.80	10c	B
OS200G	6	0.3	MES	28.5	15	Granulated	3.80	10c	B
OS1145	6	0.45	MES	28.5	15	Clear	3.80	10c	B
OS1145G	6	0.45	MES	28.5	15	Granulated	3.80	10c	B
997	6	0.5	MES	28.5	15	Clear	3.80	10c	B
997G	6	0.5	MES	28.5	15	Granulated	3.80	10c	B
TAIL LIGHTS									
991	6	0.05	MES	23	11	Clear	3.80	10c	B

MINIATURE LAMPS "OS" NUMERICAL INDEX

WITH LIST PRICES

Cat. No.	Volts	Watts	Cap.	Description	Size mm.	Sales	
						Price	Tax
OS43	2.5	0.2A	MES	Flashlight	11 Round	7c	A
OS45	2.5	0.3A	MES	Flashlight	11 Round	7c	A
OS52	3.8	0.3A	MES	Flashlight	11 Round	7c	A
OS63	6.0		Prefocus	Flashlight	11 Round	8c	A
OS64	6.0	0.04A	MES	Radio Panel	11 Round	15c	C
OS65	4.5	0.3A	MES	Flashlight	11 Round	7c	A
OS66	6.0	0.06A	MES	Radio Panel	11 Round	15c	C
OS67	2.5	0.3A	Prefocus	Flashlight	11 Round	8c	A
OS68	3.5	0.3A	Prefocus	Flashlight	11 Round	8c	A
OS69	5.0	0.15A	MES	Flashlight	11 Round	7c	A
OS70	6.2	0.3A	MES	Flashlight	11 Round	7c	A
OS71	1.5	0.2A	MES	Flashlight	11 Round	7c	A
OS75	6.5	0.3A	MES	Radio Panel	11 Round	12c	C
OS75M	6.5	0.3A	MCC	Radio Panel	11 Round	12c	C
OS76	6.3	0.11A	MES	Radio Panel	11 Round	12c	C
OS78	6.3	0.32A	MES	Radio Panel	10 Tubular	12c	C
OS78M	6.3	0.32A	MCC	Radio Panel	10 Tubular	12c	C
OS81	6.3	0.25A	MES	Radio Panel	10 Tubular	12c	C
OS81M	6.3	0.25A	MCC	Radio Panel	10 Tubular	12c	C
OS84	6.3	0.15A	MES	Radio Panel	10 Tubular	12c	C
OS84M	6.3	0.15A	MCC	Radio Panel	10 Tubular	12c	C
OS99	2.2	0.25A	MES	Lens End Flashlight		8c	A
OS200	6.0	0.3A	MES	Clear Cycle Head		10c	B
OS200G	6.0	0.3A	MES	Granulated Cycle Head		10c	B
OS268	12	10	SCC	Tail	18	13	B
OS270	12	10	SBC	Tail	18	13	B
OS313	28	0.17A	MCC	Aircraft Indicator		21c	B
OS1145	6.0	0.45	MES	Clear Cycle Head		10c	B
OS1145G	6.0	0.45A	MES	Granulated Cycle Head		10c	B
OS1240	12	24/24	SBC	Head	18	13	B
OS7593	12	0.10A	MES	Radio Panel	10 Tubular	15c	C

MINIATURE LAMPS G.E. NUMERICAL INDEX

PR6	2.5	0.3A	PF	Flashlight		12c	A
PR12	5.95	0.5A	PF	Flashlight		16c	A
PR13	4.75	0.5A	PF	Flashlight		12c	A
GE12	6.3	0.15A	2 Pin Min	Round Radio Panel		18c	C
GE41	2.5	0.5	MES	Tubular Radio Panel		15c	C
GE42	3.2	0.35	MES	Tubular Radio Panel		18c	C
GE43	3.2	0.5	MCC	Tubular Radio Panel		15c	C
GE44	6.3	0.25	MCC	Tubular Radio Panel		15c	C
GE45	3.2	0.35	MCC	Tubular Radio Panel		15c	C
GE48	2	0.06	MES	Tubular Radio Panel		12c	C
GE49	2	0.06	MCC	Tubular Radio Panel		15c	C
GE112	1.2	0.25A	MES	Lens End Flash		12c	A
GE222	2.25	0.25A	MES	Wedge Radio		18c	A
GE259	6.3	0.10A	MCC	Wedge Radio		18c	C
GE1813	14.4	0.10A	MCC	Radio		15c	C

Made in U.S.A.

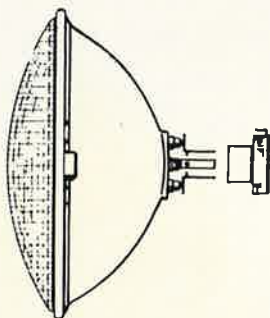
No Supplementary Discount

Sales Tax A = 2½%

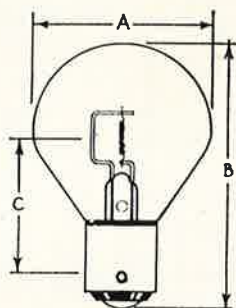
Sales Tax B = 15%

Sales Tax C = 25%

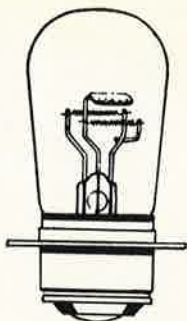
TYPICAL AUTOMOTIVE LAMPS



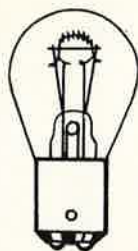
Sealed-beam headlight and adaptor



S.C.C. cap. Single filament (Axial)



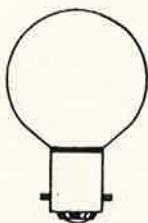
Double transverse filament
(shielded)
Double contact British
prefocus cap



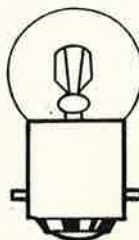
Combined stop and tail
S.B.C. cap (offset pins)



Festoon



38 mm. Bus S.B.C. cap



Sidelight
18 mm. S.B.C. cap 24V
twin supports



Side and tail
15 mm. M.C.C. cap



15 mm. Indicator
(No. 985) M.E.S. cap



11 mm. Indicator
M.C.C. cap



6.7 mm.
Tubular
BA 7s cap



7.5 mm.
L.E.S. cap
Sub-miniature Indicator

OSRAM AUTOMOTIVE LAMPS—NUMERICAL INDEX WITH LIST PRICES



Cat. No.	Description of Lamp	List Price \$	Cat. No.	Description of Lamp	List Price \$
1	12 V. 24 W. SCC Head	0.39	359	24 V. 44/38 W. BPF Head	1.01
2	12 V. 36 W. SCC Head	0.39	373	6 V. 30/24 W. BPF Head	0.67
4	12 V. 24 W. SBC Head	0.39	380	12 V. 6/21 W. SBC Offset Pins, Stop and Tail	0.38
5	12 V. 36 W. SBC Head	0.39	381	12 V. 6/21 W. SBC Stop and Tail	0.38
23	12 V. 48 W. SCC Head	0.39	382	12 V. 21 W. ASCC Stop	0.32
26	12 V. 60 W. SBC Head	0.39	383	6 V. 6/18 W. SBC Stop and Tail	0.38
27	12 V. 48 W. SBC Head	0.39	384	6 V. 6/18 W. SBC Offset Pins, Stop and Tail	0.38
53	12/16 V. 1CP MCC Indicator	0.12	404	12 V. 60/36 W. BPF Head	1.01
57H	12 V. 36 W. SCC Head	0.39	414	12 V. 50/40 W. BPF Shielded Filament Head	0.84
57F	12/16 V. 2CP MCC Indicator	0.12	444	12 V. 60/40 W. BPF (DC) Head	1.01
70	12 V. 3 W. MES Indicator 11 mm.	0.12	450	12 V. 55 W. BPF Q.1 Head	5.25
90	12 V. 60 W. SCC Head	0.39	600	12 V. 48 W. BPF (SC) Cad. Yel. Spot/Head	0.75
106	6 V. 24 W. SCC Head	0.39	606	24 V. 44 W. BPF (SC) Head	0.85
108	6 V. 36 W. SCC Head	0.39	620	24 V. 24 W. BC Head	0.45
109	6 V. 24 W. SBC Head	0.39	621	24 V. 36 W. SCC Head	0.45
111	6 V. 36 W. SBC Head	0.39	622	24 V. 36 W. BC Head	0.45
123	24 V. 36 W. SBC Head	0.45	623	24 V. 48 W. SCC Head	0.75
124	24 V. 60 W. SCC Head	0.75	624	24 V. 48 W. BC Head	0.75
127	24 V. 60 W. BC Head	0.75	628	6 V. 30/30 3 pin BC	0.80
130	6 V. 36 W. Bosch SC Head	0.60	632	12 V. 36/36 W. Amer. Prefocus Head	0.80
140	24 V. 48 W. SBC Head	0.75	635	12 V. 4 W. SBC Tail	0.13
149	24 V. 6 W. SCC Side	0.19	638	24 V. 6 W. BC Side	0.19
150	24 V. 6 W. SBC Side	0.19	640	6 V. 1.8 W. MCC Indicator	0.12
162	12 V. 36 W. BPF (SC) Head	0.75	641	6 V. 3 W. MCC Indicator	0.12
166	6 V. 24/24 W. BPF (DC) Head	0.67	643	12 V. 2.2 W. MCC Indicator 11 mm.	0.12
168	6 V. 24/24 W. SBC Head	0.65	645	12 V. 2.2 W. MCC Indicator 15 mm.	0.12
170	6 V. 36/36 W. SBC Head	0.65	647	16 V. 3 W. MCC Indicator	0.12
171	12 V. 36/36 W. SBC Head	0.65	651	24 V. 2.8 W. MCC Indicator	0.18
172	6 V. 36 W. BPF (SC) Head	0.75	653	24 V. 6 W. 38 mm. Festoon	0.37
173	6 V. 36 W. BPF (SC) Spot	0.75	654	24 V. 6 W. 38 mm. Festoon Supported Filament	0.37
177	12 V. 36 W. BPF (DC) Head	0.75	667	6 V. 36 W. American Prefocus Spot (Nearlite) Head	0.60
180	6 V. 18/18 W. SBC Head	0.65	668	12 V. 36 W. American Prefocus Spot (Nearlite) Head	0.60
182	12 V. 36/36 Bosch Head	0.80	669	6 V. 36 W. American Prefocus Spot (Farlite) Head	0.60
183	6 V. 24/24 Bosch Head	0.80	670	12 V. 36 W. American Prefocus Spot (Farlite) Head	0.60
185	12 V. 48 W. BPF (SC) Head	0.75	671	24 V. 44/38 W. SBC Head	0.75
194	24 V. 36/36 W. SBC Head	0.75	692	24 V. 6/24 W. SBC Stop and Tail	0.60
200	6 V. 3 W. SCC Side	0.13	695	24 V. 2.8 W. MES Indicator (Tubular)	0.18
204	6 V. 3 W. SBC Side	0.13	702	12 V. 36 W. BC Head	0.45
205	6 V. 6 W. SCC Side	0.13	815	24 V. 36 W. BC V. Fil. Head	0.45
206	6 V. 6 W. SBC Side	0.13	950	6 V. 6 W. MES Indicator	0.12
207	12 V. 6 W. SCC Side	0.13	951	6 V. 6 W. MCC Side	0.12
209	12 V. 6 W. SBC Side	0.13	982	6 V. 1.8 W. MES Indicator	0.12
219	12 V. 4 W. SCC Side	0.13	983	8 V. 1.6 W. MES Indicator	0.12
222	12 V. 4 W. MCC Side	0.12	985	16 V. 3 W. MES Indicator 15 mm.	0.12
253	6 V. 6 W. Festoon 38 x 11 mm.	0.22	986	12 V. 2.2 W. MES Indicator 15 mm.	0.12
254	12 V. 6 W. Festoon 38 x 11 mm.	0.22	987	12 V. 2.2 W. MES Indicator 11 mm.	0.12
255	6 V. 3 W. Festoon 35.5 x 7 mm.	0.22	988	6 V. 3 W. MCC Side	0.12
256	12 V. 3 W. Festoon 35.5 x 7 mm.	0.22	989	12 V. 6 W. MCC Side	0.12
258	12 V. 6 W. Festoon 44 x 11 mm.	0.22	990	6 V. 3 W. MES Indicator	0.12
260	24 V. 6 W. Festoon 44 x 11 mm.	0.37	993	24 V. 2.8 W. MES Indicator 15 mm.	0.18
270	12 V. 18 W. Festoon 44 x 11 mm.	0.39	OS268	12 V. 10 W. SCC Tail 18 mm.	0.13
280	12 V. 1.5 W. Lilliput ES Indicator	0.22	OS270	12 V. 10 W. SBC Tail 18 mm.	0.13
281	12 V. 2 W. BA7S Indicators	0.12	OS1240	12 V. 24/24 W. SBC Head	0.65
282	6 V. 6 W. BAS7 Indicators	0.22	5700	12 V. 37.5 W. 5 1/2" Sealed Beam Headlight	1.96
283	24 V. 3 W. BA7S Indicators	0.22	5702	12 V. 50/37.5 W. 5 1/2" Sealed Beam Headlight	3.79
302	12 V. 48/48 W. BPF Head	0.84	7002	12 V. 60/45 W. 7" Sealed Beam Headlight	3.19
306	6 V. 36/36 W. BPF (DC) Head	0.67	7010	12 V. 75/50 W. 7" Sealed Beam Headlight	3.50
311	6 V. 18/18 W. BPF Head	0.67			
312	6 V. 30/24 W. BPF Head	0.67			
317	6 V. 18 W. ASCC Stop	0.32			
319	6 V. 18 W. ASBC Stop	0.32			
323	12 V. 48 W. BPF SC Spot/Head	0.75			
325	12 V. 38 W. BPF (SC) Head	0.75			
326	12 V. 38 W. BPF (DC) Head	0.75			
330	24 V. 44 W. BPF (DC) Head	0.85			
331	24 V. 44 W. BPF (DC) Head	0.85			
333	24 V. 24 W. ASBC Stop	0.45			
334	24 V. 6/24 W. SBC Offset Pins, Stop and Tail	0.60			
335	12 V. 21 W. ASBC Stop	0.32			
339	24 V. 24 W. ASCC Stop	0.45			
354	12 V. 42/36 W. BPF Head	0.67			
356	6 V. 45/35 W. BPF Head	0.67			
358	12 V. 44/38 W. BPF Head	0.67			



G.E. AUTOMOTIVE LAMPS NUMERICAL INDEX WITH LIST PRICES

Cat. No.	Volts	Watts	Cap.	Description	Price \$	Sales Tax
87	6	15 CP	SCC	Stop	0.32	B
88	6	15 CP	SBC	Stop	0.32	B
93	12	15 CP	SCC	Stop	0.32	B
94	12	15 CP	SBC	Stop	0.32	B
210	6.5	15 CP	SBC	Stop	0.32	B
1000	6	32/32 CP	SBC	Vee Head	0.65	B
1003	12	15 CP	SCC	Dome	0.32	B
1004	12	15 CP	SBC	Dome	0.32	B
1034	12	32/4 CP	Index	Stop/Tail	0.38	B
1073	12	32 CP	SCC	Turn Signal	0.32	B
1124	12	32/32 CP	SBC	Vee Head	0.65	B
1129	6	21 CP	SCC	Stop	0.32	B
1130	6	21 CP	SBC	Stop	0.32	B
1141	12	21 CP	SCC	Stop	0.32	B
1142	12	21 CP	SBC	Stop	0.32	B
1144	12	32 CP	SBC	Trans Head	0.39	B
1154	6	21/3 CP	Index	Stop/Tail	0.38	B
1158	6	21/3 CP	SBC	Stop/Tail	0.38	B
1176	12	21/6 CP	SBC	Stop/Tail	0.38	B
1183	6	50 CP	SCC	Trans Head	0.39	B
1184	6	50 CP	SBC	Vee Head/Spot	0.39	B
1195	12	50 CP	SCC	Vee Head	0.39	B
1196	12	50 CP	SBC	Vee Head	0.39	B
1323	6	32 CP	SCAPF	Vee Head/Spot	0.60	B
1327	12	32 CP	SCAPF	Vee Head/Spot	0.60	B
2330	6	32/32 CP	DCAPF	Vee Head	0.80	B
2336	12	32/32 CP	DCAPF	Head	0.80	B
2530	6	50/32 CP	DCAPF	Vee Head	0.80	B

Made in U.S.A.

G.E. SEALED BEAM NUMERICAL INDEX WITH LIST PRICES

Cat. No.	Volts	Watts	Size	Description	Price \$	Sales Tax
4001	12	37.5	PAR46	Auto Head	1.96	B
4003	12	50/37.5	PAR46	Auto Head	3.79	B
4012	6	35	PAR46	Fog Clear	2.28	B
4012A	6	35	PAR46	Fog Amber	2.62	B
4013	6	25	PAR46	Tractor	2.34	B
4015	6	35	PAR36	Fog Clear	2.06	B
4015A	6	35	PAR36	Fog Amber	2.24	B
4031	6	45/35	PAR46	Auto Head	2.73	B
4078	6	50	PAR46	CIM Flood	3.30	B
4080	6	50	PAR46	CIM Head	3.60	B
4405	12	30	PAR36	Auto Shot	2.82	B
4411	12	35	PAR36	Utility	2.13	B
4412	12	35	PAR46	Fog Clear	2.23	B
4412A	12	35	PAR46	Fog Amber	2.54	B
4413	12	35	PAR46	Auto Head	2.28	B
4415	12	35	PAR36	Fog Clear	2.13	B
4415A	12	35	PAR36	Fog Amber	2.38	B
4416	12	30	PAR36	Head Spot	2.18	B
4431	12	45/35	PAR46	Auto Head	2.73	B
4435	12	30	PAR46	Spotlight	3.14	B
4436	12	35	PAR46	Spotlight	3.40	B
4478	12	60	PAR46	CIM Flood	3.60	B
4480	12	60	PAR46	CIM Head	3.95	B
4505	28	50	PAR36	Aircraft	4.20	B
4509	13	100	PAR36	Aircraft	5.00	B
4510	6	25	PAR36	Utility	2.06	B
4511	6	30	PAR36	Tractor	2.13	B
4515	6	30	PAR36	Spotlight	2.13	B
4516	6	30	PAR36	Head Spot	2.06	B
4520	13	6.6A	PAR46	Aircraft	4.95	B
4535	6	30	PAR46	Spotlight	2.43	B
4536	6	100	PAR46	Floodlight	3.40	B
4537	13	100	PAR46	Aircraft	5.00	B
4543	12.5	100	PAR56	Aircraft	5.65	B
4546	4.7	0.5A	PAR36	Hand Lantern	2.50	B
4559	28	600	PAR64	Aircraft	11.80	B
4577	24	75	PAR46	CIM Spot	3.60	B
4578	24	60	PAR46	CIM Flood	3.60	B
4579	24	60/80	PAR46	CIM Head	4.70	B
4800	24	50/40	PAR56	Auto Head	4.27	B
4880	28	60	PAR46	CIM Head	3.40	B
6106	6	50/40	PAR56	Auto Head	3.19	B
7002	12	60/45	PAR56	Auto Head	2.75	B

Made in U.S.A.



AUTOMOTIVE LAMPS

Osram bulbs are authorised spares for Lucas Lighting Equipment.
SEALED BEAM HEADLIGHTS

Cat. No.	Volts	Watts	Dia. ins.	Price \$	Sales Tax
5700	12	37.5	5½	1.96	B
5702	12	50/37.5	5½	3.79	B
7002	12	60/45	7	2.75	B
7010	12	75/50	7	3.50	B

G.E. SEALED BEAM HEADLIGHT

Cat. No.	Volts	Watts	Size ins.	Price \$	Sales Tax
4031	6	45/35	5½	2.73	B
6106	6	50/40	7	3.19	B
4001	12	37.5	5½	1.96	B
4003	12	50/37.5	5½	3.79	B
4413	12	35	5½	2.28	B
4431	12	45/35	5½	2.73	B
7002	12	60/45	7	2.75	B
4800	24	50/40	7	4.27	B

Made in U.S.A.

G.E. SEALED BEAM AUXILIARY LAMPS

Cat. No.	Volts	Watts	Size ins.	Description	Price \$	Sales Tax
4510	6-8	25	4½	Utility	2.06	B
4013	6-8	25	5½	Tractor	2.34	B
4511	6	30	4½	Tractor	2.13	B
4515	6-8	30	4½	Spotlight	2.13	B
4516	6-8	30	4½	Hand Spot	2.06	B
4535	6-8	30	5½	Spotlight	2.43	B
4012	6-8	35	5½	Fog Clear	2.28	B
4012A	6-8	35	5½	Fog Amber	2.62	B
4015	6-8	35	4½	Fog Clear	2.06	B
4015A	6-8	35	4½	Fog Amber	2.24	B
4536	6-8	100	5½	Floodlight	3.40	B
4405	12-16	30	4½	Spotlight with Cap	2.82	B
4416	12-16	30	4½	Head Spot	2.18	B
4435	12-16	30	5½	Spotlight	3.14	B
4436	12-16	35	5½	Spotlight	3.40	B
4411	12-16	35	4½	Utility	2.13	B
4412	12-16	35	5½	Fog Clear	2.23	B
4412A	12-16	35	5½	Fog Amber	2.54	B
4415	12-16	35	4½	Fog Clear	2.13	B
4415A	12-16	35	4½	Fog Amber	2.38	B

Made in U.S.A.

G.E. (C.I.M.) CONSTRUCTION AND INDUSTRIAL MACHINERY SEALED BEAM

Cat. No.	Volts	Watts	Cap.	Size ins.	Description	Price \$	Sales Tax
4078	6	50	2 Contact Lugs	PAR46 5½	Flood	3.30	B
4080	6	50	2 Contact Lugs	PAR46 5½	Head	3.60	B
4478	12	60	2 Contact Lugs	PAR46 5½	Flood	3.60	B
4480	12	60	2 Contact Lugs	PAR46 5½	Head	3.95	B
4578	24	60	2 Contact Lugs	PAR46 5½	Flood	3.60	B
4880	24	60	2 Contact Lugs	PAR46 5½	Head	3.40	B
4579	24	60/80	3 Contact Lugs	PAR46 5½	Head	4.70	B
4577	24	75	2 Contact Lugs	PAR46 5½	Spot	3.60	B

G.E. AIRCRAFT SEALED BEAM

Cat. No.	Volts	Watts	Size	Description	Length mm.	Dia. mm.	Price \$	Sales Tax
4505	28	50	PAR36	Passing	70	114	4.20	B
4509	13	100	PAR36	Landing	70	114	5.00	B
4543	12.5	100	PAR56	Passing	114	177	5.65	B
4537	13	100	PAR46	Landing	79	146.5	5.00	B
4559	28	600	PAR64	Landing	95	203.2	11.80	B
4520	13	6.6A	PAR46	Signal Flashing	95	146.5	4.95	B

Made in U.S.A.

Sales Tax B = 15% (No Supplementary Discount)



BRITISH PREFOCUS—HEADLIGHTS, SINGLE FILAMENT

Cat. No.	Volts	Watts	Cap.	Length mm.	Dia. mm.	Filament	List Price \$	Sales Tax
172	6	36	P22s	60	28	Axial	0.75	B
162	12	36	P22s	60	28	Axial	0.75	B
177	12	36	P22d	60	28	Axial	0.75	B
185	12	48	P22s	60	28	Axial	0.75	B
*600	12	48	P22s	60	28	Axial	0.75	B

*Cadmium Yellow

BRITISH PREFOCUS—FOG, SPOT AND PASS, SINGLE FILAMENT

Cat. No.	Volts	Watts	Cap.	Length mm.	Dia. mm.	Filament	List Price \$	Sales Tax
173	6	36	P22s	60	28	Transverse	0.75	B
325	12	38	P22s	60	28	Transverse	0.75	B
326	12	38	P22d	60	28	Transverse	0.75	B
323	12	48	P22s	60	28	Transverse	0.75	B

HEADLIGHTS, SINGLE FILAMENT

Volts	Watts	SCC Cat. No.	SBC Cat. No.	Bosch Cat. No.	Length mm.	Dia. mm.	Filament	List Price \$	Sales Tax
6	24	106	109		56	38	Axial	0.39	B
6	30	—	—		56	38	Axial	0.39	B
6	36	108	111		56	38	Axial	0.39	B
6	48	—	—		56	38	Axial	0.39	B
12	18	—	—		56	38	Axial	0.39	B
12	24	1	4		56	38	Axial	0.39	B
12	36	2	5		56	38	Axial	0.39	B
12	36	57H	—		56	38	'Vee'	0.39	B
12	48	23	27		56	38	Axial	0.39	B
12	60	90	26		63	50	Axial	0.39	B
6	36			130	56	38	Axial	0.60	B

G.E. HEADLIGHTS SINGLE FILAMENT

Cat. No.	Volts	CP	Cap.	Length mm.	Dia. mm.	Filament	Price \$	Sales Tax
1144	12	32	SBC	56	38	Trans	0.39	B
1323	6	32	SCAPF	56	38	Vee	0.60	B
1327	12	32	SCAPF	56	38	Vee	0.60	B
1183	6	50	SCC	56	38	Trans	0.39	B
1184	6	50	SBC	56	38	Vee	0.39	B
1195	12	50	SCC	56	38	Vee	0.39	B
1196	12	50	SBC	56	38	Vee	0.39	B

Made in U.S.A.

SPOTLIGHTS OR FOG, SINGLE FILAMENT (For Norek equipment)

Cat. No.	Volts	Watts	Cap.	Length mm.	Dia. mm.	Type	Filament	List Price \$	Sales Tax
669	6	36	P15s	56	38	Farlite	Axial	0.60	B
670	12	36	P15s	56	38	Farlite	Axial	0.60	B
667	6	36	P15s	56	38	Nearlite	Transverse	0.60	B
668	12	36	P15s	56	38	Nearlite	Transverse	0.60	B

BRITISH PREFOCUS—HEADLIGHTS, DOUBLE FILAMENT

Cat. No.	Volts	Watts	Cap.	Length mm.	Dia. mm.	Filament	List Price \$	Sales Tax
373	6	30/24	P22d	60	28	Transverse	0.67	B
306	6	36/36	P22d	58	28	Transverse	0.67	B
356	6.4	45/35	P22d	60	28	Transverse	0.67	B
354	12	42/36	P22d	60	28	Transverse	0.67	B
358	12	44/38	P22d	60	28	Transverse	0.67	B
302	12	48/48	P22d	60	28	Transverse	0.84	B
404	12	60/36	P22d	60	38	Transverse	1.01	B
444	12	60/40	P22d	60	39	Transverse	1.01	B
414	12	50/40	P22d	60	28	Transverse with shielded filament	0.84	B

TUNGSTEN HALOGEN SPOT/FOG LAMP

450	12	55	P22s	54	11	Clear Quartz	5.25	B
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Sales Tax B = 15% (No Supplementary Discount)



BRITISH PREFOCUS—MOTOR CYCLE HEADLIGHTS (Vertical dip)

Cat. No.	Volts	Watts	Cap.	Length mm.	Dia. mm.	Filament	List Price \$	Sales Tax
311	6	18/18	P22d	60	28	Transverse	0.67	B
166	6	24/24	P22d	60	28	Transverse	0.67	B
312	6	30/24	P22d	60	28	Transverse	0.67	B

BOSCH CAP HEADLIGHTS, DOUBLE FILAMENT (without metal cup)

Cat. No.	Volts	Watts	Cap.	Length mm.	Dia. mm.	Filament	List Price \$	Sales Tax
183	6	24/24	BA20d	56	38	Inverted 'V'	0.80	B
—	6	36/24	BA20d	56	38	Inverted 'V'	0.80	B
—	6	36/36	BA20d	56	38	Inverted 'V'	0.80	B
182	12	36/36	BA20d	56	38	Transverse	0.80	B

HEADLIGHTS, DOUBLE FILAMENT

Cat. No.	Volts	Watts	Cap.	Length mm.	Dia. mm.	Filament	List Price \$	Sales Tax
180	6	18/18	SBC	56	38	Inverted 'V'	0.65	B
168	6	24/24	SBC	56	38	Inverted 'V'	0.65	B
—	6	36/24	SBC	56	38	Inverted 'V'	0.65	B
170	6	36/36	SBC	56	38	Inverted 'V'	0.65	B
OS1240	12	24/24	SBC	56	38	Transverse	0.65	B
171	12	36/36	SBC	56	38	Transverse	0.65	B
—	6	24/24	P15d	56	38	Inverted 'V'	0.80	B
632	12	36/36	P15d	56	38	Parallel 'V'	0.80	B
628	6	30/30	3 pin BC	56	38		0.80	B

G.E. HEADLIGHTS DOUBLE FILAMENT

Cat. No.	Volts	C.P.	Cap.	Length mm.	Dia. mm.	Filament	List Price \$	Sales Tax
1000	6	32/32	SBC	57	35	Vee	0.65	B
1124	12	32/32	SBC	57	35	Vee	0.65	B
2330	6	32/32	DCAPF	57	35	Vee	0.80	B
2530	6	50/32	DCAPF	57	35	Vee	0.80	B
2336	12	32/32	DCAPF	57	35	Vee	0.80	B

Made in U.S.A.

SIDE OR TAIL

Volts	Watts	SCC Cat. No.	SBC Cat. No.	MCC Cat. No.	Length mm.	Dia. mm.	Filament	List Price \$	Sales Tax
4	3	—	—	—	32.5	18	Bow	0.13	B
6	3	200	204	—	32.5	18	Bow	0.13	B
6	6	205	206	—	32.5	18	Bow	0.13	B
12	4	219	635	—	32.5	18	Bow	0.13	B
12	6	207	209	—	32.5	18	Bow	0.13	B
6	3	—	—	988	28.5	15	Bow	0.12	B
6	6	—	—	951	28.5	15	Bow	0.12	B
12	4	—	—	222	28.5	15	Bow	0.12	B
12	6	—	—	989	28.5	15	Bow	0.12	B
12	10	OS268	OS270	—	32.5	18	Bow	0.13	B

SIGNAL, STOP OR TAIL SINGLE FILAMENT

Volts	Watts	ASCC Cat. No.	ASBC Cat. No.	Length mm.	Dia. mm.	List Price \$	Sales Tax
6	18	317	319	46	25	0.32	B
12	21	382	335	46	25	0.32	B

COMBINED STOP/TAIL DOUBLE FILAMENT

Volts	Watts	SBC Cat. No.	SBC Index Pin Cat. No.	Length mm.	Dia. mm.	List Price \$	Sales Tax
6	18/6	383	384	46	25	0.38	B
12	21/6	381	380	46	25	0.38	B

Sales Tax B = 15% (No Supplementary Discount)

G.E. SIGNAL, STOP, DOME OR TAIL

Cat. No.	Volts	Watts/C.P.	Cap.	Length mm.	Dia. mm.	List Price \$	Sales Tax
87	6	15	SCC	50.8	25	0.32	B
88	6	15	SBC	50.8	25	0.32	B
93	12	15	SCC	50.8	25	0.32	B
94	12	15	SBC	50.8	25	0.32	B
210	6.5	15	SBC	45	19	0.32	B
1003	12	15	SCC	45	19	0.32	B
1004	12	15	SBC	45	19	0.32	B
1129	6	21	SCC	50.8	25.4	0.32	B
1130	6	21	SBC	50.8	25.4	0.32	B
1141	12	21	SCC	50.8	25.4	0.32	B
1142	12	21	SBC	50.8	25.4	0.32	B
1073	12	32	SCC	50.8	25.4	0.32	B

Made in U.S.A.

G.E.—STOP/TAIL

Volts	Watts	SBC Cat. No.	SBC Index Pin Cat. No.	Length mm.	Dia. mm.	List Price \$	Sales Tax
1158	6	21/3	SBC	50.8	25.4	0.38	B
1154	6	21/3	Index	50.8	25.4	0.38	B
1176	12	21/6	SBC	50.8	25.4	0.38	B
1034	12	32/4	Index	50.8	25.4	0.38	B

Made in U.S.A.

FESTOON OR TRAFFICATOR

Cat. No.	Volts	Watts	Length mm.	Dia. mm.	List Price \$	Sales Tax
255	6	3	35.5	7.5	0.22	B
253	6	6	38	11	0.22	B
—	6	6	44	11	0.22	B
256	12	3	35.5	7.5	0.22	B
254	12	6	38	11	0.22	B
258	12	6	44	11	0.22	B
270	12	1.8	44	15	0.39	B

INDICATOR LAMPS (Panel and warning)

Volts	Watts	CP	LES	MES	MCC	BA7S	Length mm.	Dia. mm.	List Price \$	Sales Tax
6	0.6					282		6.7	0.22	B
6	1.8			982	640		23	11	0.12	B
6	3			990	641		23	11	0.12	B
6	6			950			27.5	15	0.12	B
8	1.6			983			27.5	15	0.12	B
12/16		1			53			11	0.12	B
12	1.5		280					7.5	0.22	B
12	2					281		6.7	0.12	B
12/16		2			57F			14	0.12	B
12	2.2			987	643		23	11	0.12	B
12	2.2			986	645		27.5	15	0.12	B
12	3			70			23	11	0.12	B
16	3			985	647		27.5	15	0.12	B

BUS LAMPS

For lighting of omnibuses, heavy vehicles, yachts, caravans, etc.

(For Discounts, refer page 48)

BRITISH PREFOCUS HEADLIGHTS, SINGLE FILAMENT

Cat. No.	Volts	Watts	Contact	Length mm.	Dia. mm.	Filament	List Price \$	Sales Tax
606	24	44	Single	60	28	Transverse	0.85	B
330	24	44	Double	60	28	Transverse	0.85	B
331	24	44	Double	60	28	Axial	0.85	B

BRITISH PREFOCUS HEADLIGHTS, DOUBLE FILAMENT

Cat. No.	Volts	Watts	Contact	Length mm.	Dia. mm.	Filament	List Price \$	Sales Tax
359	24	44/38	Double	60	28	Transverse	1.01	B

HEADLIGHTS, DOUBLE FILAMENT

Cat. No.	Volts	Watts	Contact	Length mm.	Dia. mm.	Filament	List Price \$	Sales Tax
194	24	36/36	SBC	56	38	Transverse	0.75	B
671	24	44/38	SBC	56	38	Transverse	0.75	B

Sales Tax B = 15% (No Supplementary Discount)

HEADLIGHTS, SINGLE FILAMENT

Volts	Watts	SBC Cat. No.	SCC Cat. No.	BC Cat. No.	Length mm.	Dia. mm.	Filament	List Price \$	Sales Tax
12	36			702	56	38	Axial	0.45	B
24	24			620	56	38	Axial	0.45	B
24	36			815	56	38	V centre	0.45	B
24	36	123	621	622	56	38	Axial	0.45	B
24	48	140	623	624	56	38	Axial	0.75	B
24	60		124	127	63	50	Axial	0.75	B

SPOT OR FOG, SINGLE FILAMENT (For Notek Equipment)

24	36	—			56	38	Transverse	0.45	B
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INTERIOR LIGHTING

Volts	Watts	Cap.	Length mm.	Dia. mm.	Finish	List Price \$	Sales Tax
6	18	BC	56	38	Clear or Pearl	0.31	B
12	12	BC, SBC	56	38	Clear or Pearl	0.39	B
24	12	BC, SBC	60	40	Clear or Pearl	0.39	B
24	15	BC, SBC	60	40	Clear or Pearl	0.39	B
24	20	BC, SBC	60	40	Clear or Pearl	0.39	B
24	25	BC, SBC	60	40	Clear or Pearl	0.39	B

SIDE AND TAIL

Improved construction with two filaments operated in series enabling shorter, more robust filaments to be used, giving corresponding improved performance under conditions of vibration and rough treatment.

Volts	Watts	SBC Cat. No.	SCC Cat. No.	BC Cat. No.	Length mm.	Dia. mm.	Filament	List Price \$	Sales Tax
24	6	150	149	638	32.5	18	Two in series	0.19	B

STOPLIGHTS AND COMBINED STOP/TAIL

Cat. No.	Volts	Watts	Cap.	Length mm.	Dia. mm.	Filament	List Price \$	Sales Tax
339	24	24	ASCC	46	25	Single	0.45	B
333	24	24	ASBC	46	25	Single	0.45	B
692	24	24/6	ASBC	46	25	Double	0.60	B
334	24	24/6	ASBC	46	25	Double	0.60	B

w/stg. pin

FESTOON OR TRAFFICATOR

Cat. No.	Volts	Watts	Length mm.	Dia. mm.	Filament	List Price \$	Sales Tax
653	24	6	38	11	Axial	0.37	B
260	24	6	44	11	Axial	0.37	B
654	24	6	38	11	4 Filament supports	0.37	B
	24	6	44	11	4 Filament supports	0.37	B

INDICATOR LAMPS (Panel or warning)

Volts	Watts	BA75 Cat. No.	MES Cat. No.	MCC Cat. No.	Shape	Length mm.	Dia. mm.	List Price \$	Sales Tax
24	2.8		993	651	Round	27.5	15	0.18	B
24	2.8		695		Tubular		10	0.18	B
24	3	283			Tubular		6.7	0.22	B

CALL SYSTEM INDICATOR

Volts	Watts	Cap.	Finish	Length mm.	Dia. mm.	List Price \$	Sales Tax
12	6	SBC	Spd. Red	32.5	18	0.25	B
16	3	MES, MCC	Frosted with Sup. Fil.		15	0.18	B

NOTES

NOTES



OSRAM LAMPS CONDITIONS OF SALE

1. All prices are strictly nett cash 30 days and subject to Sales Tax where applicable.
2. All prices and discounts are subject to change without notice and no adjustment will be made for stocks on hand or in transit at the time of such change.
3. All lamps are sold on the express condition that they will not be resold other than at established prices.
4. All prices include for delivery in certain defined areas and/or F.O.B., F.O.R. main capital cities.

GUARANTEES

General Lighting Service Lamps

These lamps are guaranteed to be of the best material and workmanship throughout. The life of Electric Lamps may be influenced by conditions of use over which the manufacturer has no control; it is therefore impossible to give a specific life guarantee. As an indication of what might be expected, however, we would say that in regard to general lighting service, lamps covered by current British Standard No. 161, an average life of 1,000 hours is being obtained when the lamps are operated at their marked voltage. We will replace all lamps which fail in service when such failure is shown to be due to defective material or construction.

Tubular Fluorescent Lamps

The rated average life of tubular fluorescent lamps is 7,500 hours. Further, we guarantee each individual lamp for a period of twelve months or 3,500 hours, whichever is the shorter, and should a lamp fail before the expiry of this guarantee, it will be replaced free of charge.

Mercury Discharge Lamps—Excluding Ultra Violet Ray Type

The life of mercury discharge lamps may be influenced by conditions of use over which the manufacturer has no control. However, providing lamps are burned in conjunction with suitable fittings and auxiliaries, our life guarantee is as follows:

1. The nominal average life of mercury discharge lamps is not less than that shown in BS.1270 and/or BS.3677.
2. Any lamps failing before 100 hours will be replaced free of charge.
3. Lamps failing after 100 but before 5,000 hours will be replaced on a pro rata basis according to the unreached portion of the 5,000 hours.
4. Lamps failing after 7,500 hours will not be replaced because the shorter life of such lamps should be compensated for by other lamps which reach a life exceeding the designed life.

Sodium Discharge Lamps

The life of sodium discharge lamps may be influenced by conditions of use over which the manufacturer has no control. However, providing lamps are burned in conjunction with suitable fittings and auxiliaries, our life guarantee is as follows:

1. The nominal average life of sodium discharge lamps is in accordance with BS.1270.
2. Lamps failing before 100 hours will be replaced free of charge.
3. Lamps failing after 100 but before 4,000 hours will be replaced on a pro rata basis according to the unreached portion of the nominal average life of 4,000 hours.
4. Lamps failing after 4,000 hours will not be replaced because the shorter life of such lamps will be compensated for by other lamps which reach a life exceeding the designed life.

GENERAL PRODUCTS DIVISION — SALES OFFICES

NEW SOUTH WALES

Sydney: 104 Clarence Street Phone: 2-0277
 Auburn: Corner Percy and Boorea Streets Phone: 649-0155
 Artarmon Broken Hill
 Penshurst Newcastle
 Punchbowl Albury
 Mascot Orange
 Sutherland Wagga Wagga
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VICTORIA

Melbourne (Carlton): 116-130 Leicester Street Phone: 34-0471
 Springvale: 2263 Princes Highway Phone: 546-5500
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SOUTH AUSTRALIA

Adelaide: 154 Angas Street Phone: 23-2144
 Adelaide: 188 Wakefield Street Phone: 23-2468
 Woodville South Berri
 Mt. Gambier Port Pirie
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WESTERN AUSTRALIA

Perth (Subiaco): 164-168 Hay Street Phone: 8-8391

TASMANIA

Hobart: 164-166 Elizabeth Street Phone: 34-2377
 Launceston: 187 Brisbane Street Phone: 2-2041
 Launceston: 57-63 Elizabeth Street Phone: 2-1357

NORTHERN TERRITORY

Darwin: 3 Fannie Bay Centre Phone: 2206

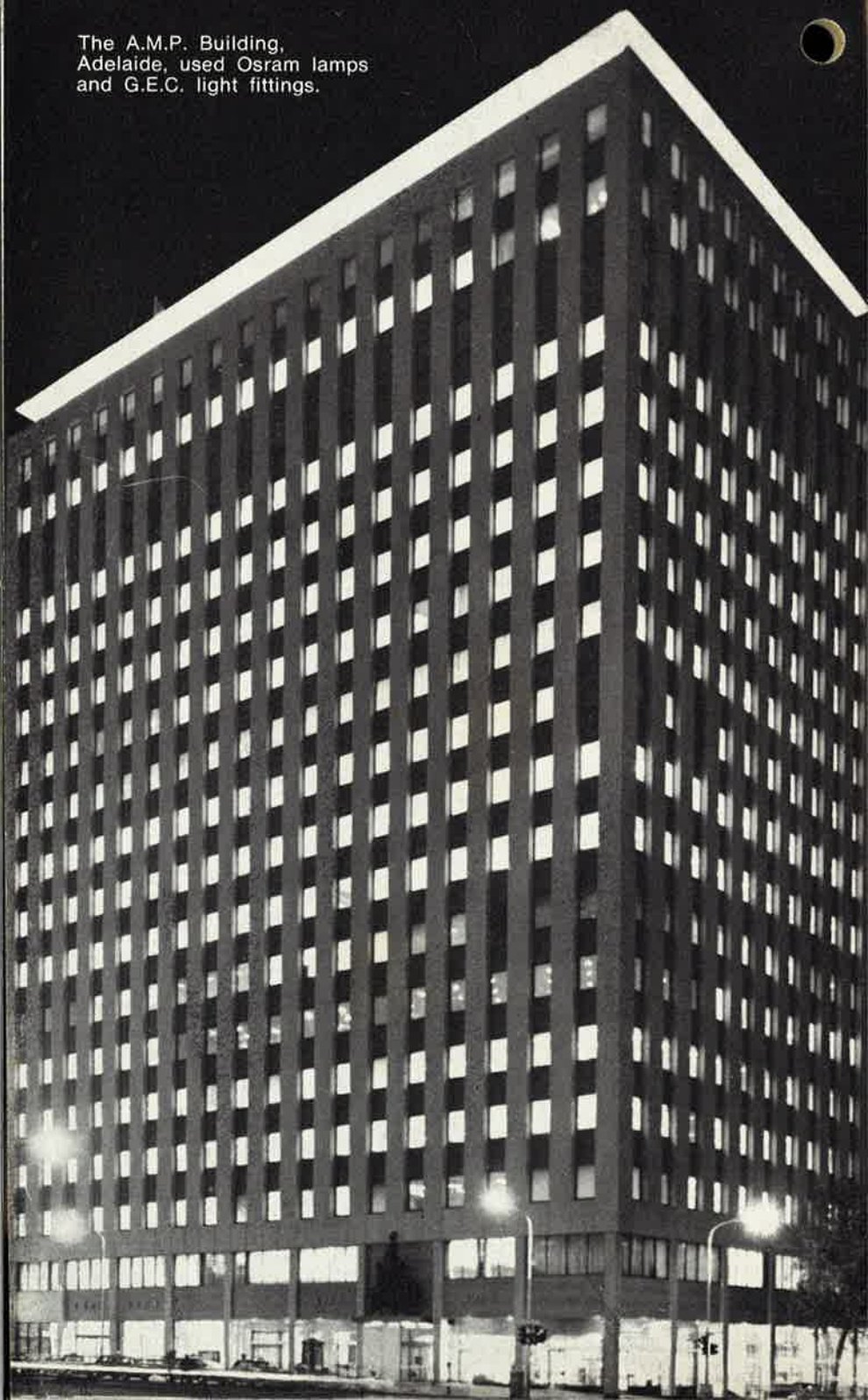
OSRAM G.L.S. LAMP AGENTS

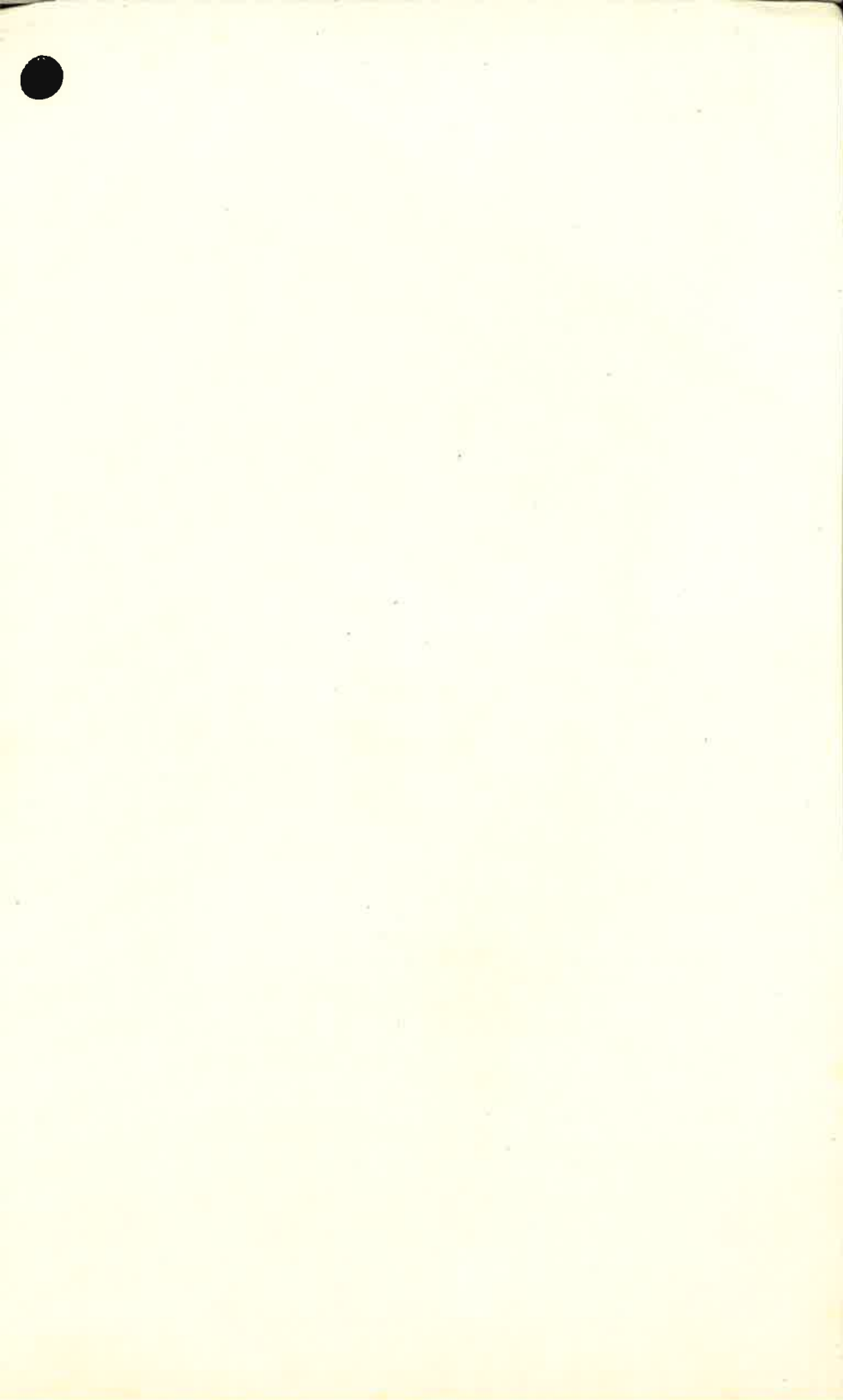
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Boyts Radio & Electrical Pty. Ltd.	Keep Bros. & Wood
Brisbane Electrical Co.	Lee, Dick Pty. Ltd.
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Electric House Pty. Ltd.	Silverwater Electrical Wholesalers
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Gray, Geoffrey J. & Co. Pty. Ltd.	Swans Ltd.
Hamilton, D. & Co. Pty. Ltd.	

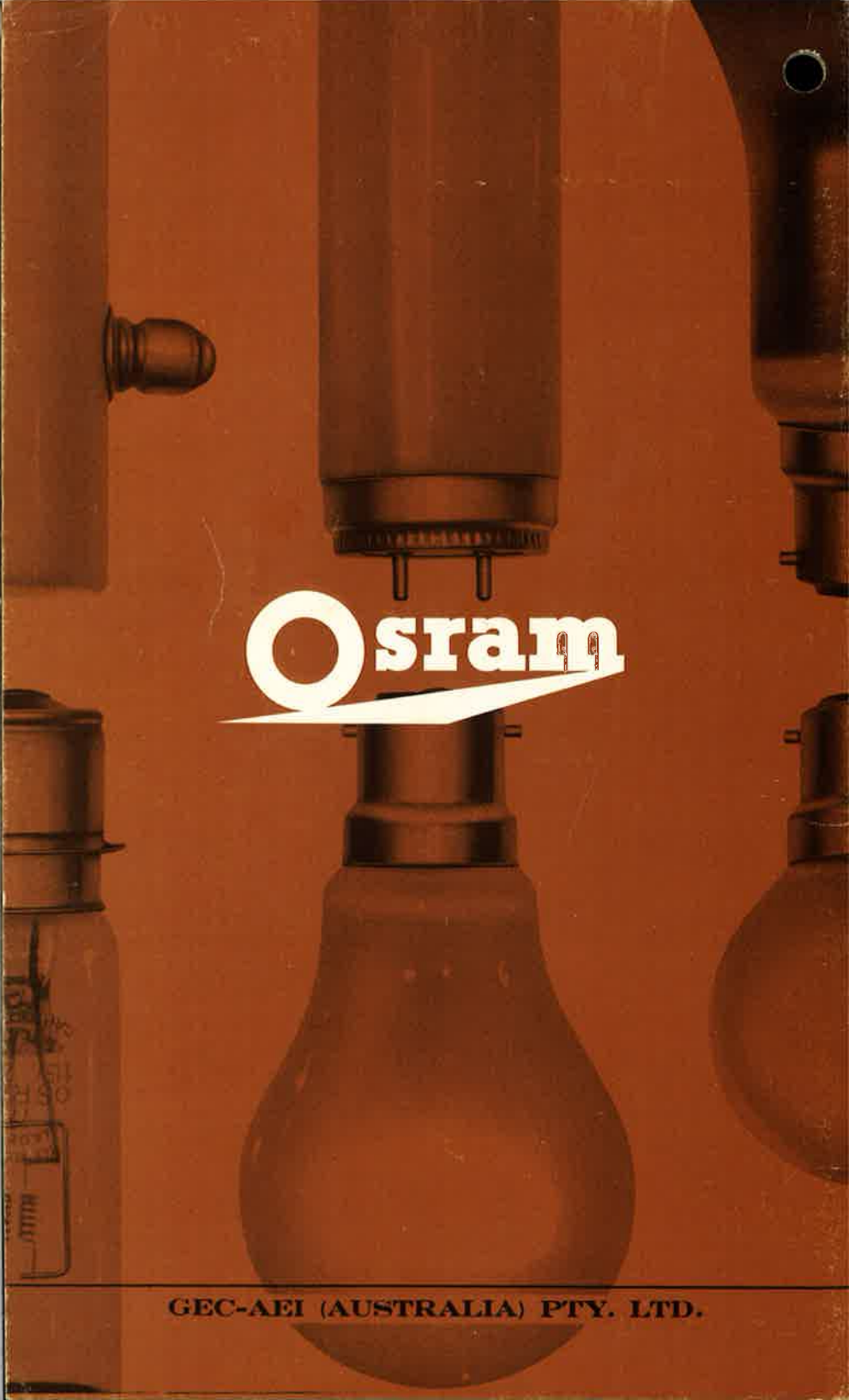
OSRAM AUTO LAMP AGENTS

Automotive Components Services (Vic.) Pty. Ltd.
 Bradley Bros. Ltd.
 Burwood Motors Pty. Ltd.
 Coventry Motor Replacements Pty. Ltd.
 Gardiner, J. H. & Co., Pty. Ltd.
 Healing (Sales) Pty. Ltd.
 Hill, James & Sons Ltd.
 Hudd, William & Co. Ltd.
 Keep Bros. & Wood Pty. Ltd.
 Machin, E. A. & Co. Ltd.
 Raphaels Pty. Ltd.
 Sidco Pty. Ltd.
 Smith Sons & Rees Ltd.
 Westcott Hazel & Co. Ltd.

The A.M.P. Building,
Adelaide, used Osram lamps
and G.E.C. light fittings.





The background of the advertisement is a solid, warm brown color. It features several light bulbs in various stages of being screwed into a fixture. A large, clear incandescent bulb is in the foreground, its base visible. Above it, the threaded part of another bulb is visible. To the left, a smaller bulb is partially visible. To the right, another bulb is partially visible. The Osram logo is centered in the middle of the image, with the 'O' being a large, white, stylized circle and the 'sram' in a smaller, white, sans-serif font. The logo is positioned over the base of the large bulb in the foreground.

Osram

GEC-AEI (AUSTRALIA) PTY. LTD.