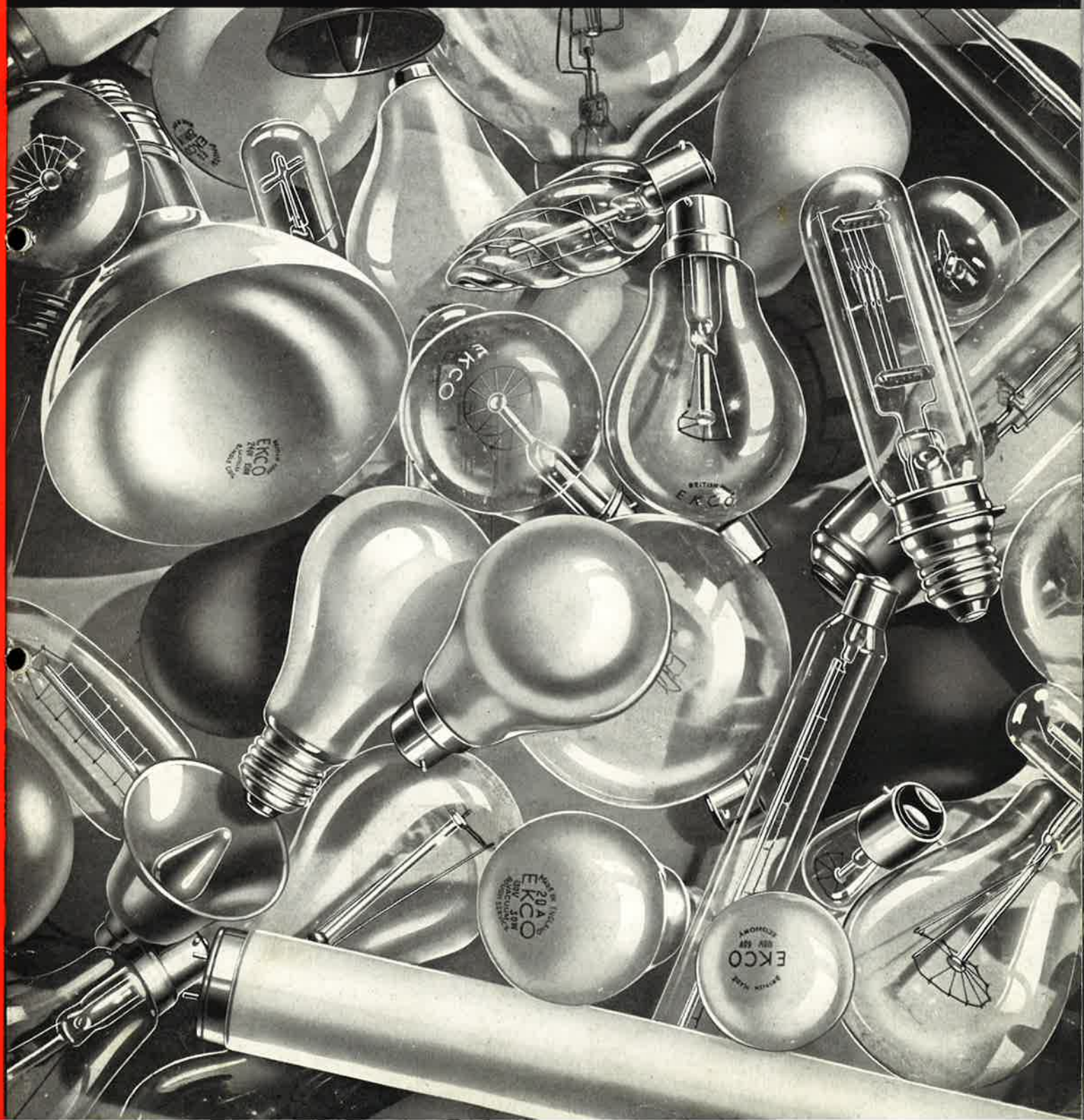


# EKCO LAMPS



## *The name is EKCO for Lighting!*

The range of Ekco Tungsten Filament and Fluorescent Lamps is comprehensive, covering every domestic, commercial and industrial lighting need. All Ekco Lamps conform to current British Standards and are fully guaranteed as to materials and workmanship.

Architects, electrical contractors and executives are invited to make full use of the EKCO-ENSIGN LIGHTING ADVISORY SERVICE, whose qualified engineers will gladly assist in the preparation of planned lighting schemes for factories, public buildings, retail stores, schools, offices and all premises where the need for efficient working, comfortable conditions and attractive appearance is important. Consultation is entirely free of obligation. Applications for advice or assistance should be made to the Ekco-Ensign Lighting Advisory Service at any of the addresses below:

### **EKCO-ENSIGN ELECTRIC LTD.**

**Head Office: 45 ESSEX STREET, STRAND, LONDON, W.C.2**

**Telephone: CITY 8951**

**Telegrams: EKCOLIGHT, ESTRAND, LONDON**

#### *SALES OFFICES, ILLUMINATING ENGINEERING DEPTS., SHOWROOMS & DEPOTS*

##### **SOUTHERN:**

45 Essex Street, Strand, London, W.C.2

##### *Telegrams*

Ekcolight, Estrand,  
London

##### *Telephone*

CITY 8951

*Depot:* 9 Whitcher Place, Rochester Road, London, N.W.1

Ensignette, Norphone

GULLiver 5535

##### **NORTHERN:**

Kent Street Works, Preston, Lancs.

Ensign, Preston

Preston 4628

##### **MIDLAND:**

40 & 42 Summer Row, Birmingham, 3

Enlamp, Birmingham

Central 2997

##### **E. MIDLAND:**

57 Hounds Gate, Nottingham

Ekcolight, Nottingham

Nottm. 45862

##### **SOUTH WALES:**

50 Bridge Street, Cardiff

Ekco, Cardiff

Cardiff 5426

##### **SCOTTISH:**

26 India Street, Glasgow, C.2

Eklamp, Glasgow

Central 2012

#### **IMPORTANT NOTICE**

At the time of printing this publication we have not yet occupied our new premises as shown above. Until further notice communications for our Head Office and Southern Sales Office should be addressed as follows:—

**Head Office: Ekco Works, Southend-on-Sea, Essex. Southend 49491**

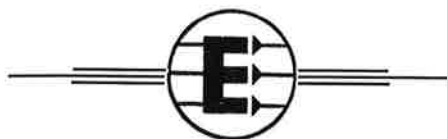
**Southern Sales Office: 5 Vigo Street, London, W.1. Regent 7030**

# EKCO

## *Lamps*

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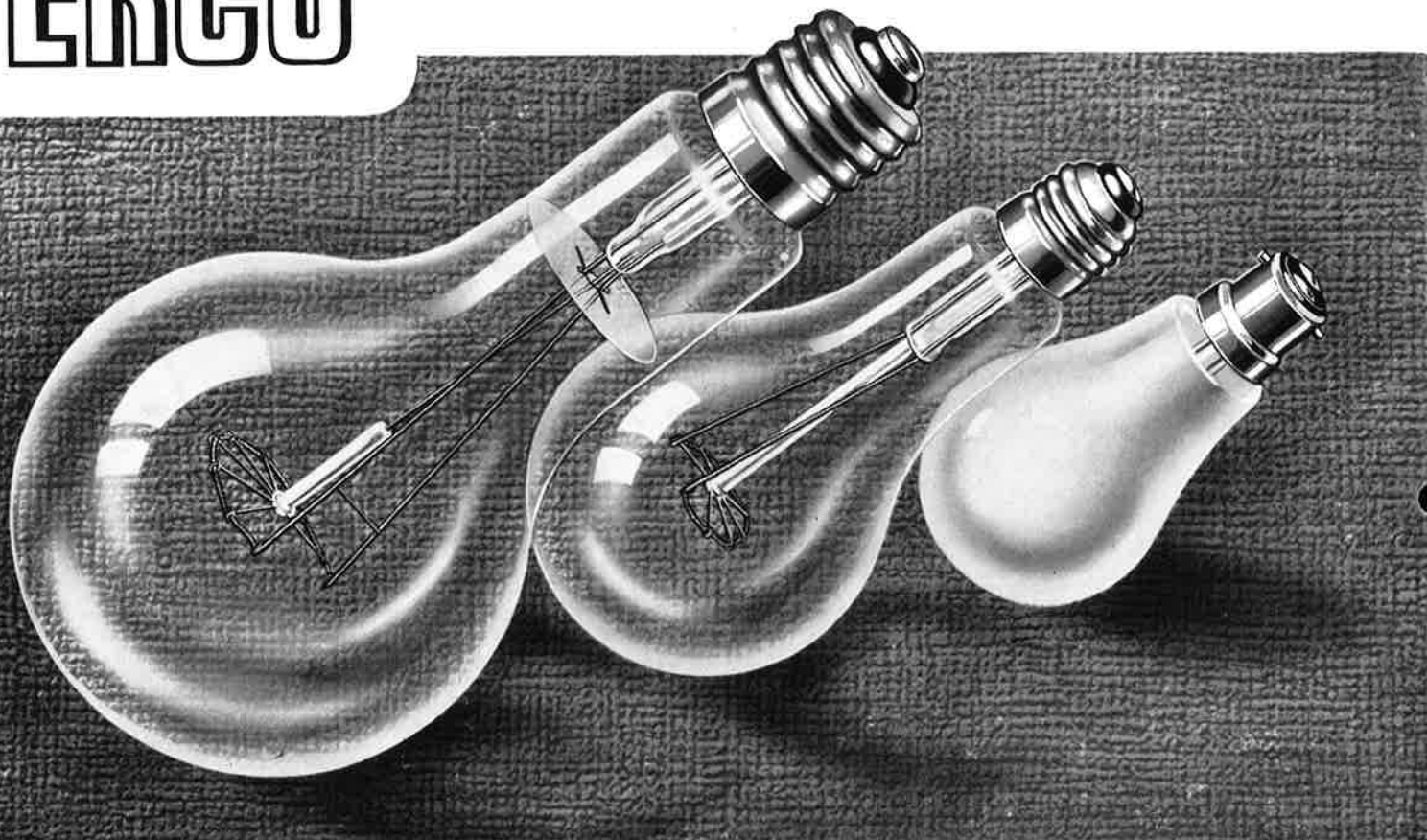
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# EKCO

## GENERAL SERVICE LAMPS



### SINGLE COIL LAMPS

#### PRICE LIST

Group I	200, 210, 220, 230, 240, 250, 260 volts*		100, 110, 115, 120, 130 volts*		6, 12, 25, 35, 50, 55, 60, 65, 75, 150 volts*	
Wattage	Clear	Pearl	Clear	Pearl	Clear	Pearl
15 or 25	1/3	1/3	1/3	1/3	1/9	1/9
40 or 60	1/1	1/1	1/3	1/3	2/-	2/-
75	1/5	1/5	1/7	1/7	3/-	3/-
100	1/6	1/6	1/8	1/8	3/-	3/-
150	2/3	2/3	2/5	2/5	5/-	5/-
200	3/6	4/-	4/-	4/6	7/6	8/-
300	7/-	8/-	7/6	8/6	11/-	11/9
500	9/-	10/-	9/6	10/6	14/-	—
750	13/6	—	13/6	—	19/-	—
1000	14/6	—	14/6	—	—	—
1500	20/-	—	20/-	—	—	—

\*See 'Voltage Ranges', page 3 opposite

### COILED COIL LAMPS

Group I	200, 210, 220, 230, 240, 250, 260 volts - Standard cap - B.C. (B22/25×26) Pearl bulbs only			
	40w.	60w.	75w.	100w.
	1/4	1/4	1/7	1/8

### ECONOMY LAMP

This lamp is suitable for locations where a small amount of light is required, such as in children's or in invalids' bedrooms. It can also be used in such situations as landings and stairways. Its current consumption is exceedingly small and its life is several thousand hours.

Group I		List Price
Voltage range	200/250	
Wattage	5-8 according to applied voltage	
Bulb (Pearl only)	55 mm. (2 $\frac{3}{16}$ in.) diameter	
Cap	B.C. (B22/25×26)	

### THEATRE BATTEN LAMPS

(Samloff Type)

Group I	60	100	150
Wattage			
List Price	2/3	2/6	3/6

Voltages: 100, 110, 120, 130, 200, 210, 220, 230, 240, 250  
 Dimensions for all sizes:  
 Length: 137 mm. (5 <sup>3</sup>/<sub>8</sub> in.). Diam: 75 mm. (2 <sup>11</sup>/<sub>16</sub> in.)  
 Light centre length: 120 mm. (4 <sup>3</sup>/<sub>8</sub> in.)  
 Standard cap - B.C. (B22/25×26)

# GENERAL SERVICE LAMP DATA

## LIGHT OUTPUT

Nominal average lumens throughout life\*

Wattage	15	25	40	60	75	100	150	200	300	500	750	1000	1500
110v. Single Coil ..	133	228	449	759	1000	1400	—	—	—	—	—	—	—
230v. Single Coil ..	113	206	330	584	785	1160	1970	2725	4430	7930	12740	17800	28380
230v. Coiled Coil ..	—	—	389	665	883	1270	—	—	—	—	—	—	—

\* These values are intended only to afford a practical guidance for the design of lighting installations. Specific values will be found in the current issue of British Standard 161.

## VOLTAGE RANGES

All general service lamps are available in the standard voltages given at the top of the price list between the limits shown hereunder, except coiled coil lamps which are made only for 200–260v. The lamps should preferably be used in the cap-up position, particularly in the larger sizes.

Wattage .. ..	15	25	40	60	75	100	150
Standard Voltages .. ..	6–260	6–260	6–260	12–260	25–260	35–260	35–260
Wattage .. ..	200	300	500	750	1000	1500	
Standard Voltages .. ..	60–260	60–260	60–260	60–260	100–130 200–260	100–130 200–260	

## DIMENSIONS

Wattage	Standard Cap†	Overall Length		Bulb Diameter		Light Centre Length*		Neck Diameter	
		mm.	in.	mm.	in.	mm.	in.	mm.	in.
15	B.C.	92.5±3.5	3 $\frac{3}{8}$	55±1	2 $\frac{3}{16}$	65±3	2 $\frac{1}{2}$	—	—
25	B.C.	100±3.5	3 $\frac{15}{16}$	60±1	2 $\frac{3}{8}$	70±3	2 $\frac{3}{4}$	44 max.	1 $\frac{3}{4}$
40	B.C.	110±3.5	4 $\frac{5}{16}$	60±1	2 $\frac{3}{8}$	80±3	3 $\frac{1}{8}$	44 max.	1 $\frac{3}{4}$
60	B.C.	117.5±3.5	4 $\frac{5}{8}$	65±1	2 $\frac{9}{16}$	85±3	3 $\frac{5}{16}$	45 max.	1 $\frac{3}{4}$
75	B.C.	125±3.5	4 $\frac{7}{8}$	70±1	2 $\frac{3}{4}$	90±3	3 $\frac{1}{2}$	51 max.	2
100	B.C.	137.5±3.5	5 $\frac{3}{8}$	75±1	2 $\frac{15}{16}$	100±3	3 $\frac{15}{16}$	53 max.	2 $\frac{1}{16}$
150	B.C. or E.S.	160±4.5	6 $\frac{1}{4}$	80±1	3 $\frac{1}{8}$	120±4	4 $\frac{3}{4}$	39±1	1 $\frac{1}{2}$
200	E.S.	178±5.5	7	90±1	3 $\frac{1}{2}$	133±5	5 $\frac{1}{4}$	39±1	1 $\frac{1}{2}$
300	G.E.S.	233±7	9 $\frac{1}{8}$	110±1.5	4 $\frac{5}{16}$	178±6	7	50±1	1 $\frac{15}{16}$
500	G.E.S.	267±8	10 $\frac{1}{2}$	130±1.5	5 $\frac{1}{8}$	202±7	7 $\frac{15}{16}$	52±1	2
750	G.E.S.	300±9	11 $\frac{3}{4}$	150±1.5	5 $\frac{7}{8}$	225±8	8 $\frac{7}{8}$	55±1	2 $\frac{3}{16}$
1000	G.E.S.	300±9	11 $\frac{3}{4}$	150±1.5	5 $\frac{7}{8}$	225±8	8 $\frac{7}{8}$	55±1	2 $\frac{3}{16}$
1500	G.E.S.	335±9	13 $\frac{1}{4}$	170±1.5	6 $\frac{11}{16}$	250±8	9 $\frac{13}{16}$	60±1	2 $\frac{3}{8}$

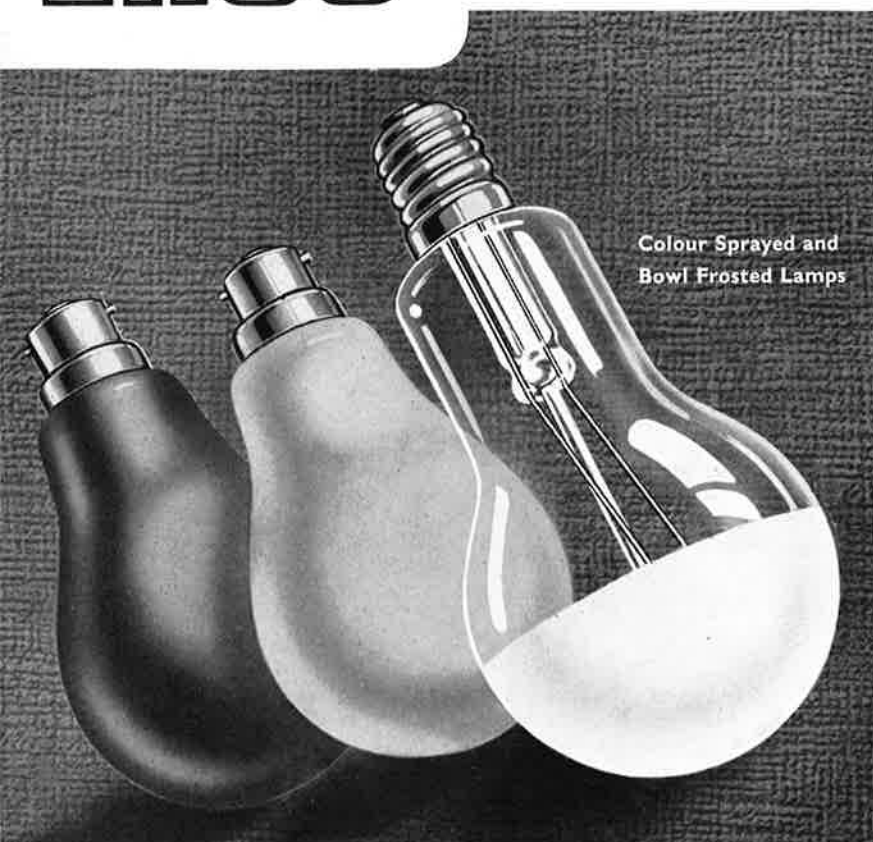
\* In the case of Pearl lamps, the tolerance on light centre length for 15w. to 100w. inclusive is ±5 mm.

† B.C. (B22/25×26), E.S. (E27/25), G.E.S. (E40/45).

# EKCO

## COLOUR SPRAYED AND BOWL

## FROSTED LAMPS



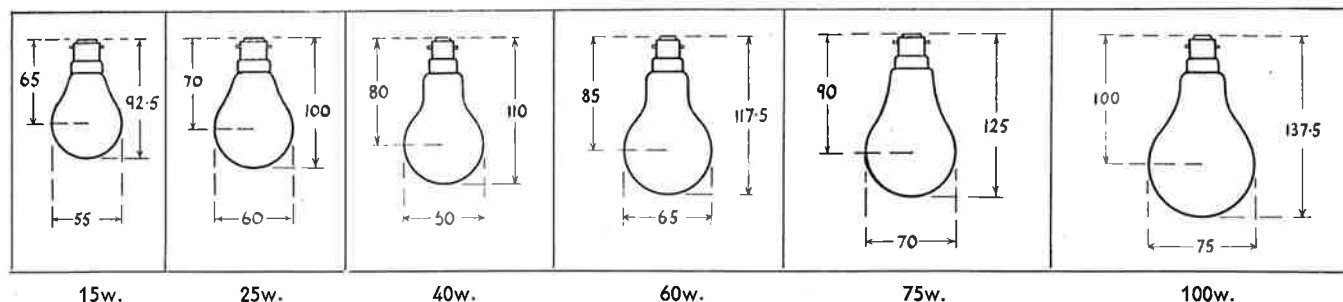
### COLOUR SPRAYING

Group I			
Red, Pink, Amber, Orange, Yellow, Green, Blue, Flame, White			
Extra cost per lamp above clear lamp list price			
5/25w.	40/75w.	100w.	150w.
2d.	3d.	4d.	9d.
200w.	300w.	500w.	750w.
1/6	1/9	2/3	2/6

### BOWL FROSTING

Group I					
Extra cost per lamp above clear lamp list price					
200w.	300w.	500w.	750w.	1000w.	1500w.
1/-	1/3	1/6	1/9	2/6	2/6

### DIMENSIONAL OUTLINES OF GENERAL SERVICE LAMPS





# EKCO

## DAYLIGHT AND NATURAL COLOURED GLASS LAMPS

### NATURAL COLOURED GLASS

Dimensions as general service lamps.

Cap - B.C. (B22/25×26)

Standard voltages - 100, 110, 120, 130, 200, 210, 220, 230, 240, 250, 260

Group I	List Price			
Wattage	Ruby	Green	Amber	Blue
15	6/-	3/9	3/3	2/9
25				
40	6/-	3/6	3/-	2/6
60				

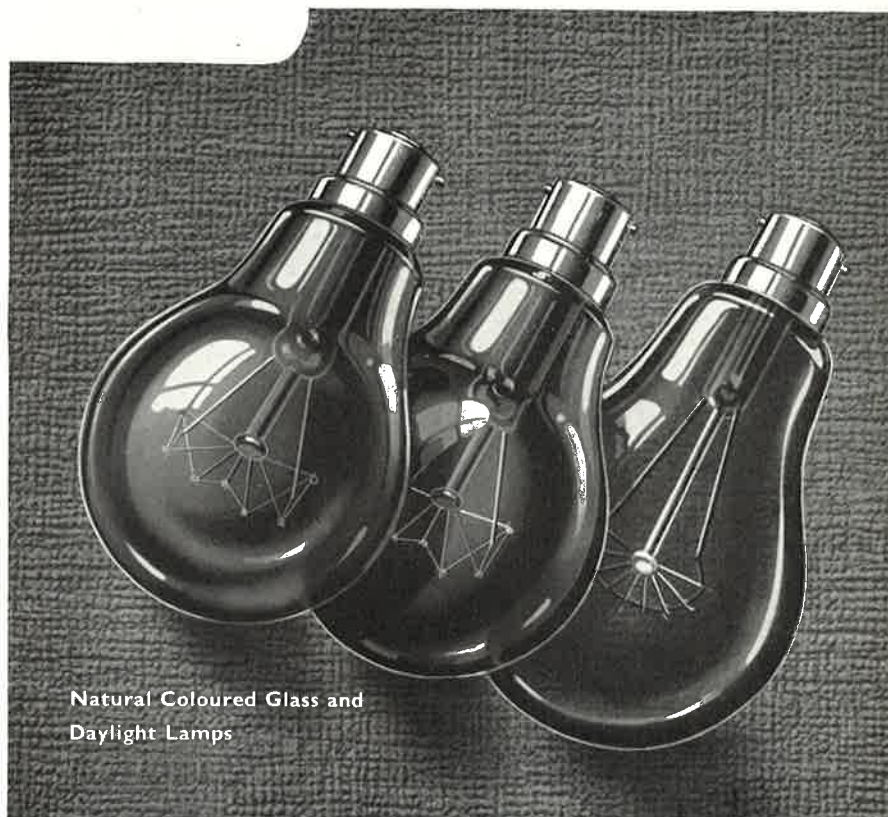
### DAYLIGHT LAMPS

Dimensions as general service lamps

The blue glass bulb filters the excess of red in the normal tungsten lamp. The colour of the light approximates to the north sky daylight and is helpful for colour grading. To compensate for the absorption by the blue glass, about double the wattage which would be required with clear or pearl lamps, should be employed.

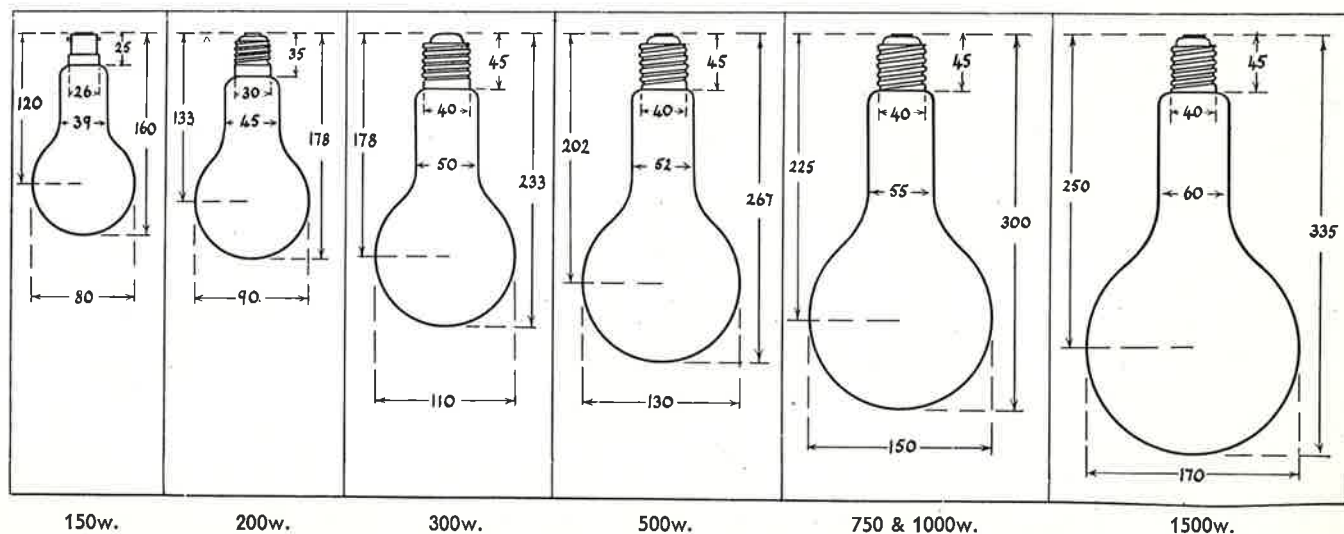
Group I	200, 210, 220, 230, 240, 250, 260 volts				
Wattage	40	60	100	150	300
Standard cap	B.C.	B.C.	B.C.	B.C.	G.E.S.
†				or E.S.	
List Price	2/3	2/3	3/3	4/9	11/6

† B.C. (B22/25×26), E.S. (E27/25), G.E.S. (E40/45)



Natural Coloured Glass and Daylight Lamps

### DIMENSIONAL OUTLINES OF GENERAL SERVICE LAMPS

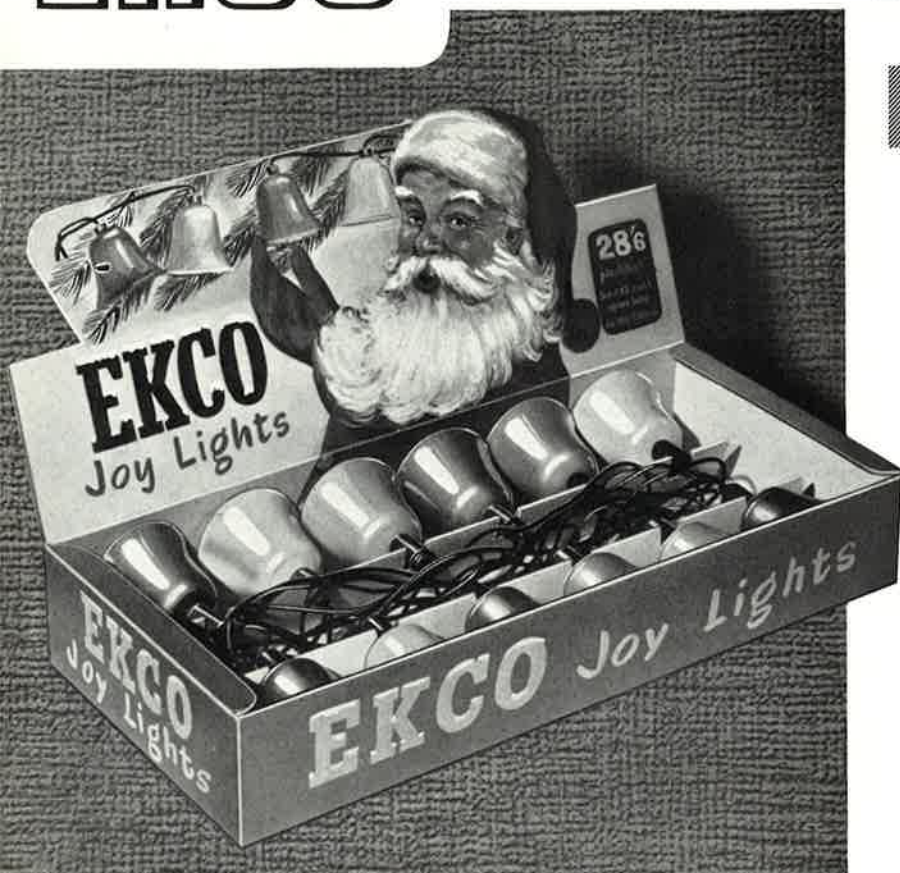




# EKCO

## JOYLIGHTS AND DECORATION LIGHTS

### JOYLIGHTS



#### Group IV

Comprising a set of 12 shades and 13 3-watt lamps (1 spare lamp per set) wired in series for 200/250 volts, with B.C. plastic adaptor.

28/6 per set plus 6/6 purchase tax

### DECORATION LIGHTS



#### Group IV

Comprising a set of 12 3-watt lamps (plus 1 spare lamp per set) wired in series for 200/250 volts, with B.C. plastic adaptor.

21/- per set plus 4/9 purchase tax



# EKCO *CANDLE LAMPS*

## CANDLE LAMPS

### Standard Voltages:

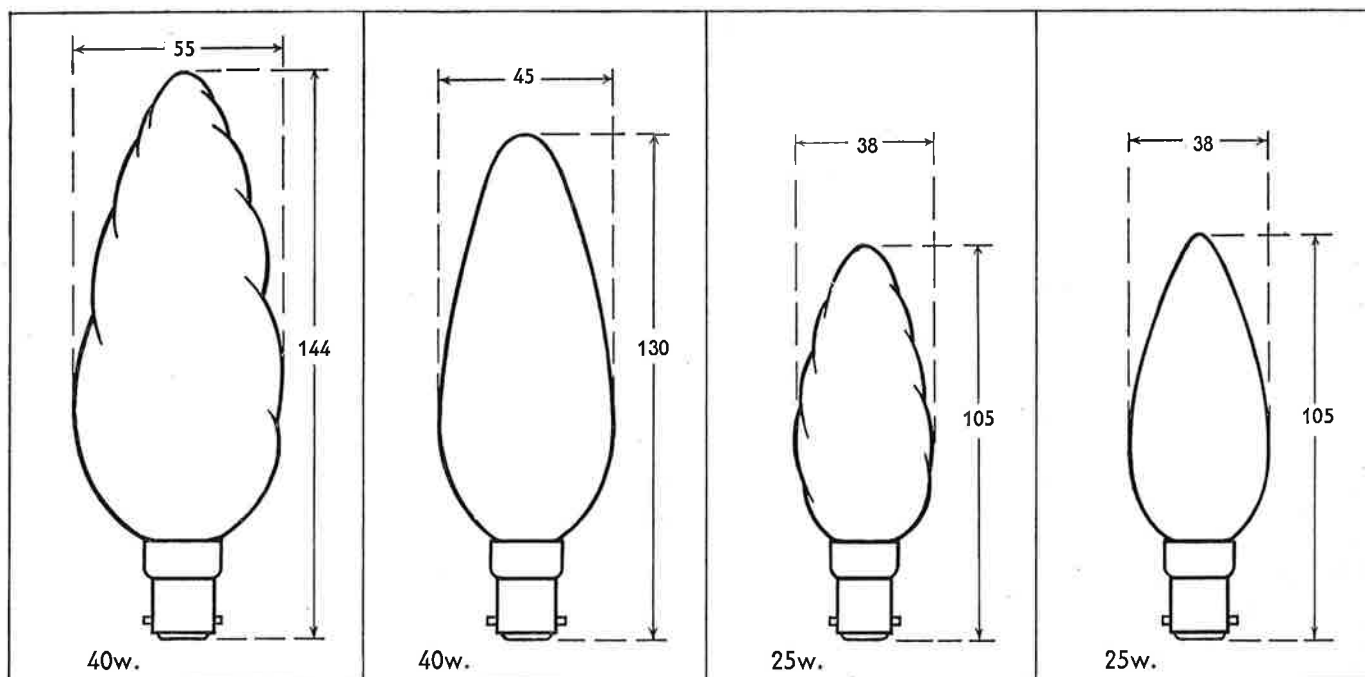
25w - 100, 110, 120, 130, 200, 210, 220, 230, 240, 250, 260 volts

40w. - 200, 210, 220, 230, 240, 250, 260 volts

### Standard caps:

B.C. (B22/22), S.B.C. (B15/24×17), S.E.S. (E14/27×18)

Watt- age	Shape	Length		Diam.		List Price	
		mm.	in.	mm.	in.	Clear	Colour Sprayed or Frosted
25	Olive, plain	105±5	4 $\frac{1}{8}$	38±2	1 $\frac{1}{2}$	3/6	3/9
25	Olive, twisted	105±5	4 $\frac{1}{8}$	38±2	1 $\frac{1}{2}$	4/-	4/3
40	Olive, plain	130±5	5 $\frac{1}{8}$	45±2	1 $\frac{3}{4}$	4/-	4/5
40	Olive, twisted	144±5	5 $\frac{3}{4}$	55±2	2 $\frac{3}{10}$	4/6	4/11



# EKCO

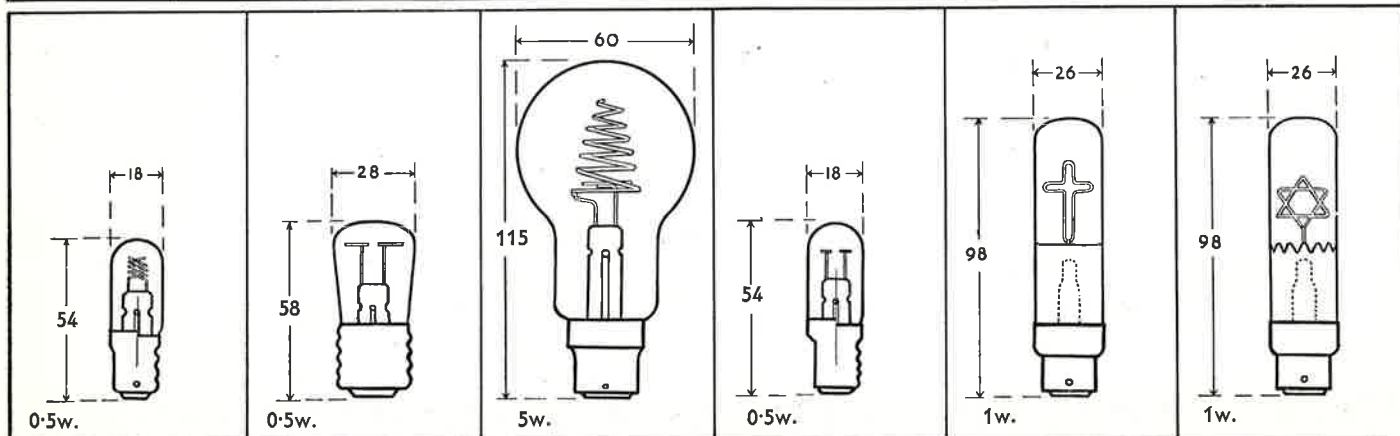
## NEON LAMPS

### NEON LAMPS



The Ekco Neon Lamp has a long life and can be operated in any position. Attention is drawn to the new range of neon indicators which covers all normal requirements

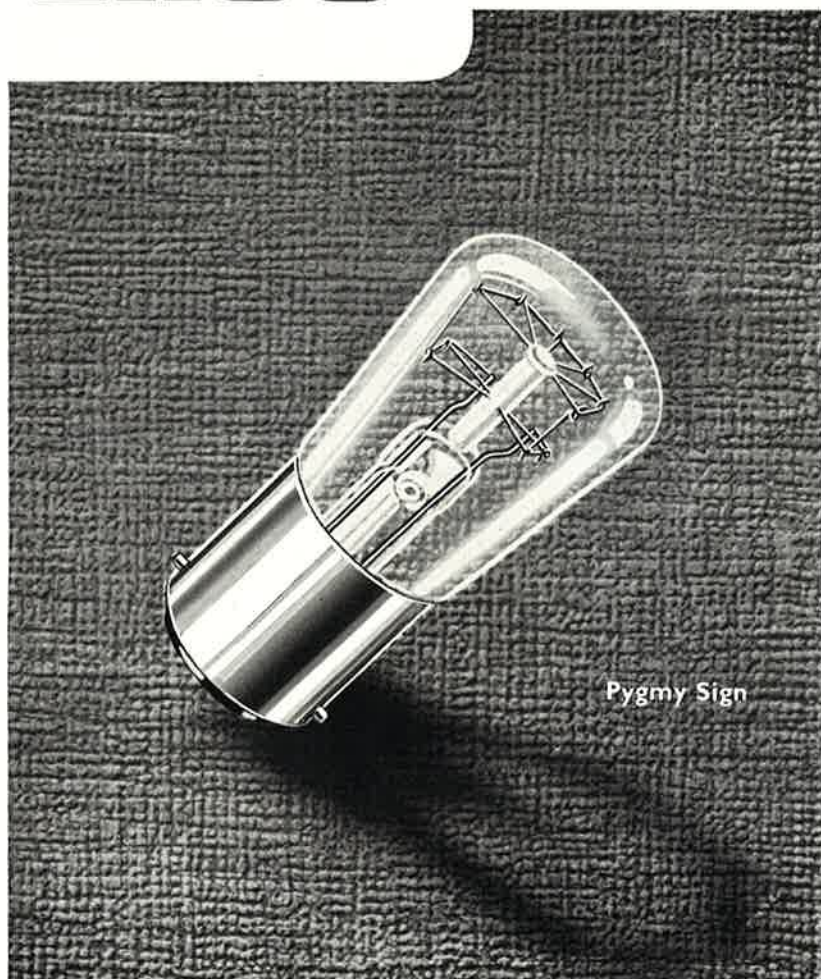
Group I		Wattage	Standard Cap	Dimensions				List Price
Type				Length		Diameter		
				mm.	ins.	mm.	ins.	
Cruciform		1-0	B.C. (B22/25 × 26)	98 ± 2	3 <sup>7</sup> / <sub>8</sub>	26 ± 1	1	4/6
Star of David		1-0	B.C. (B22/25 × 26)	98 ± 2	3 <sup>7</sup> / <sub>8</sub>	26 ± 1	1	4/6
Normal Lighting		5-0	B.C. (B22/25 × 26)	115 ± 5	4 <sup>1</sup> / <sub>2</sub>	60 ± 1	2 <sup>3</sup> / <sub>8</sub>	4/6
Indicators	Large Disc	0-5	B.C. (B22/22)	56 ± 3	2 <sup>3</sup> / <sub>16</sub>	28 ± 1	1	4/-
			E.S. (E27/25)	58 ± 4	2 <sup>5</sup> / <sub>16</sub>	28 ± 1	1	
	Small Spiral	0-5	S.B.C. (B15/24 × 18)	54 ± 3	2 <sup>1</sup> / <sub>8</sub>	18 ± 1	<sup>11</sup> / <sub>16</sub>	4/-
			S.E.S. (E14/27 × 18)	56 ± 4	2 <sup>3</sup> / <sub>16</sub>	18 ± 1	<sup>11</sup> / <sub>16</sub>	
	Small Disc	0-5	S.B.C. (B15/24 × 18)	54 ± 3	2 <sup>1</sup> / <sub>8</sub>	18 ± 1	<sup>11</sup> / <sub>16</sub>	4/-
			S.E.S. (E14/27 × 18)	56 ± 4	2 <sup>3</sup> / <sub>16</sub>	18 ± 1	<sup>11</sup> / <sub>16</sub>	



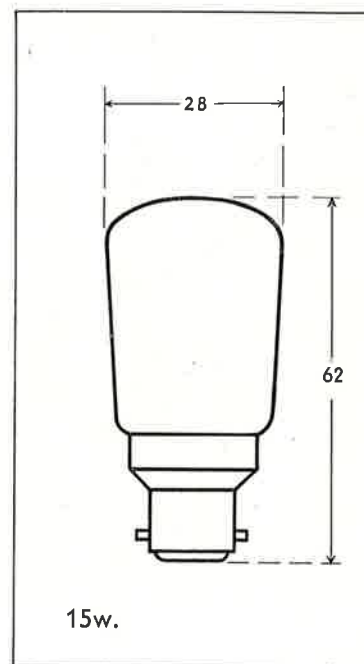


# EKCO

## PYGMY SIGN LAMPS



### PYGMY SIGN LAMPS



15w. - Diameter  $28 \pm 1$  mm. ( $1\frac{1}{8}$  in.)

Group I Standard Cap	Overall Length of Lamps	
	mm.	ins.
B.C. (B22/22)	$56 \pm 3$	$2\frac{3}{16}$
E.S. (E27/25)	$58 \pm 3$	$2\frac{1}{4}$
S.B.C. (B15/27 $\times$ 22)	$62 \pm 3$	$2\frac{7}{16}$
S.E.S. (E14/27 $\times$ 18)	$64 \pm 3$	$2\frac{1}{2}$

Type	25, 50, 60, 65 75, 150 volts	110, 130, 200/220, 230/250 volts
Clear	2/-	1/7
Colour Sprayed	2/2	1/9
*Natural ruby glass	5/6	5/-
*Natural green glass	5/-	4/6
*Natural amber glass	5/-	4/6
*Natural blue glass	4/9	4/3

\* Natural coloured glass pygmy sign lamps are supplied to order. They are not normally held in stock.  
Other sizes and ratings of sign lamps (some internally colour sprayed) to order. Prices on application.



# EKCO

## SPOTLIGHT AND FLOODLIGHT REFLECTOR LAMPS



Reflector Spotlight

### REFLECTOR LAMPS

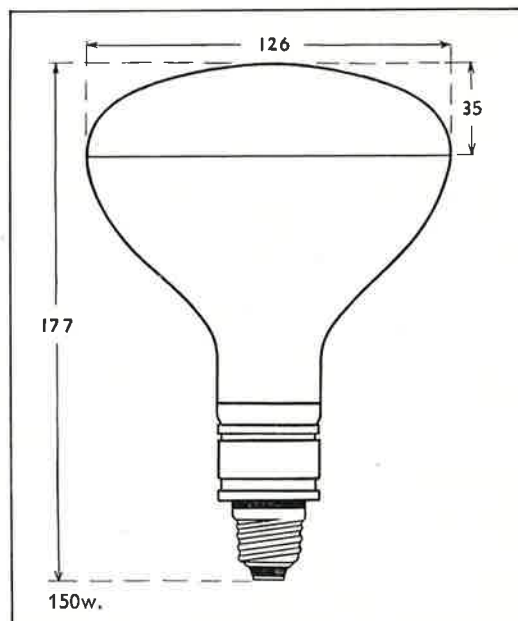
These lamps are made in two types – a spotlight reflector lamp and a floodlight reflector lamp. They are designed primarily for use in shop lighting, in windows and in interiors, to pick out individual displays and features

The upper part of the lamp has an interior metal coating which does not tarnish and which, therefore, maintains its efficiency throughout the life of the lamp, while the lower part has a satin frosted finish

Standard Voltages: 110/120, 200/210, 220/230, 240/250

Cap: E.S. (E27/54 × 38). Wattage: 150

Group I Type	Length		Diameter		List Price
	mm.	ins.	mm.	ins.	
Spotlight	176 ± 6.5	6 <sup>15</sup> / <sub>16</sub>	126 ± 1.5	4 <sup>15</sup> / <sub>16</sub>	Ring Filament 15/- Grid Filament 18/-
Floodlight	176 ± 6.5	6 <sup>15</sup> / <sub>16</sub>	126 ± 1.5	4 <sup>15</sup> / <sub>16</sub>	15/-



# EKCO TUBULAR LAMPS

## DOUBLE CAP

Standard Cap – Single contact (S 15s)

110, 120, 200, 210, 220, 230, 240, 250, 260 volts

Diameter for all sizes  $25 \pm 1$  mm. (1 in.)

Colour spraying – standard colours as for clear lamps – see page 4

Group I		Length		List Price	
Wattage				Clear	Colour Sprayed
		mm.	in.		
30		$221 \pm 1$	$8 \frac{11}{16}$	5/6	5/10
30		$284 \pm 1$	$11 \frac{3}{16}$	5/6	5/10
60		$221 \pm 1$	$8 \frac{11}{16}$	5/9	6/1
60		$284 \pm 1$	$11 \frac{3}{16}$	5/9	6/1



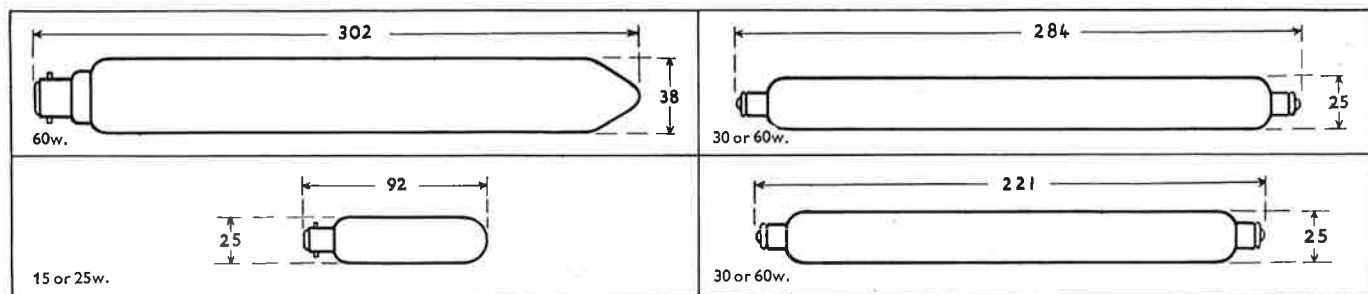
Single and Double Cap  
Tubular Lamps

## SINGLE CAP

Standard Voltages: 15w. & 25w.: 110, 120, 200, 210, 220, 230, 240  
250 volts. 60w.: 200, 210, 220, 230, 240, 250 volts

Colour spraying – standard colours as for clear lamps – see page 4

Group I		Length		Diameter		Standard Cap	List Price
Wattage		mm.	in.	mm.	in.		
15 or 25		$92 \pm 3$	$3 \frac{5}{8}$	$25 \pm 1$	1	B.C. (B22/25 $\times$ 26), S.B.C. (B15/27 $\times$ 22) E.S. (E27/25), S.E.S. (E14/27 $\times$ 18)	Clear 3/6 Colour Sprayed 3/9
60		$302 \pm 3$	$11 \frac{7}{8}$	$38 \pm 1$	$1 \frac{1}{2}$	B.C. (B22/25 $\times$ 26)	Opal 8/6 Opal Colour Sprayed 9/-





# EKCO

## TRACTION LAMPS



Clear and Pearl 50 mm Bus Lamps

### TRAIN LIGHTING

#### Group I

Some of the lamps shown in the Bus, Coach and Yacht section above are suitable for Train Lighting.

Several other sizes of Train Lighting Lamps are available.

Details and prices on application.

### TROLLEY BUS

Standard Cap - B.C. (B22/21×26). Clear or Pearl. Voltage 35v.

Group I Wattage	List Price	
	40 mm. bulb	50 mm. bulb
15	2/6	2/6
20	3/9	3/9
36	3/9	3/9

### BUS, COACH & YACHT

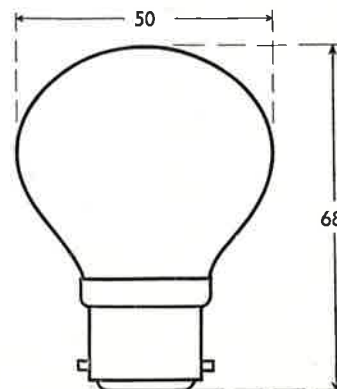
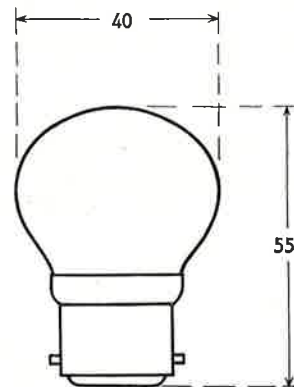
Standard Cap - B.C. (B22/21×26) or S.B.C. (B15/27×22)  
Clear or Pearl

Group II Voltage	Wattage	List Price	
		40 mm. bulb	50 mm. bulb
12	10	2/-	2/-
12	12	2/-	2/-
12	20	—	2/4
12	24	—	2/6
12	36	—	2/6
24	12	2/4	2/4
24	15	2/4	2/4
24	20	2/4	2/4
24	24	2/6	2/6
24	36	2/6	2/6
24	48	3/-	3/-
24	60	5/-	5/-

### TRACTION LAMPS

#### Group I

*All traction lamps are designed to withstand voltage fluctuations and rough usage met under service conditions*



Dimensions of all lamps listed on this page are as follows:

Diam. 40 mm.  
(1 <sup>9</sup>/<sub>16</sub> in.)

Overall length  
55 mm. (2 <sup>3</sup>/<sub>16</sub> in.)

Diam. 50 mm.  
(1 <sup>15</sup>/<sub>16</sub> in.)

Overall length  
68 mm. (2 <sup>11</sup>/<sub>16</sub> in.)



# EKCO *SERIES TRACTION LAMPS*

TRAMCARS, TRAINS

& SIMILAR LOCATIONS

## Group I

These lamps are marked with their rated current and only those having the same current should be connected to each other in series

100, 110, 120, 130 volts  
Standard Cap - B.C. (B22/25  $\times$  26),  
E.S. (E27/25)



Series Traction Lamps — Pearl and Clear

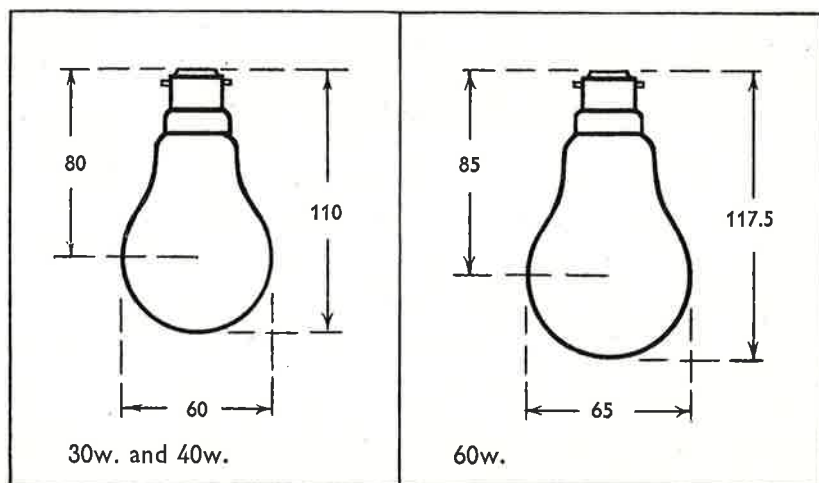
## CLEAR OR PEARL

Current Amps	Nominal Wattage	Length		Diameter		Price
		mm.	in.	mm.	in.	
0.27	30	$110 \pm 3.5$	$4 \frac{5}{16}$	$60 \pm 1$	$2 \frac{3}{8}$	1/7
0.35	40	$110 \pm 3.5$	$4 \frac{5}{16}$	$60 \pm 1$	$2 \frac{3}{8}$	1/7
0.52	60	$117.5 \pm 3.5$	$4 \frac{5}{8}$	$65 \pm 1$	$2 \frac{9}{16}$	1/7

## TRACTION LAMPS

### Group I

*All traction lamps are designed to withstand voltage fluctuations and rough usage met under service conditions*



# EKCO

## ROUGH SERVICE AND TRAFFIC SIGNAL LAMPS

Single Wreath — Rough Service

Twin Wreath Traffic Signal  
and Rough Service



### TRAFFIC SIGNAL LAMPS

For use in road traffic signals

Standard Voltages:

100, 105, 110, 115, 120, 125, 130, 200, 210, 220, 230,  
240, 250, 260 volts

Clear bulbs only

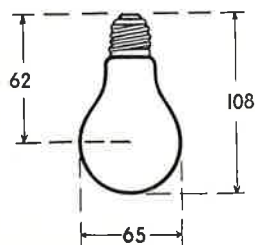
Group I

Wattage	Length	Diameter	Light Centre Length	Standard Cap	List Price
	mm.	mm.			
60	117.5±3.5	65±1	85±3	B.C. (B22/25 × 26)	1/9
60	108±3.5	65±1	62±3	E.S. (E27/25)	1/9

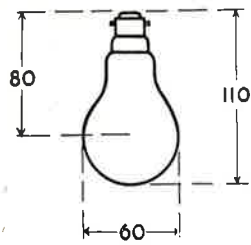
### ROUGH SERVICE LAMPS

The Ekco rough service lamp has the filament supported in a special manner to withstand vibration and other severe conditions. Standard Cap — B.C. (B22/25 × 26) or E.S. (E27/25) Clear or Pearl.

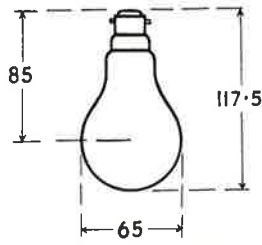
Group I	Length		Diameter		List Price		
Wattage	mm.	in.	mm.	in.	25, 35, 50, 55, 60, 65, 75 volts Single Wreath	100, 110, 120, 130 volts Single Wreath	200, 210, 220, 230, 240, 250, 260 volts Twin Wreath
30	110±3.5	4 <sup>5</sup> / <sub>16</sub>	60±1	2 <sup>3</sup> / <sub>8</sub>	2/6	1/9	—
40	110±3.5	4 <sup>5</sup> / <sub>16</sub>	60±1	2 <sup>3</sup> / <sub>8</sub>	2/6	1/9	1/9
60	117.5±3.5	4 <sup>5</sup> / <sub>8</sub>	65±1	2 <sup>3</sup> / <sub>16</sub>	2/6	1/9	1/9
100	137.5±3.5	5 <sup>3</sup> / <sub>8</sub>	75±1	2 <sup>11</sup> / <sub>16</sub>	—	—	2/6 (Single Wreath)



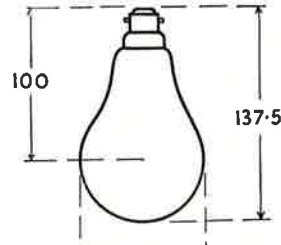
60w. E.S. Traffic Signal



30 & 40w. Rough Service



60w. B.C. Traffic  
Signal & Rough Service

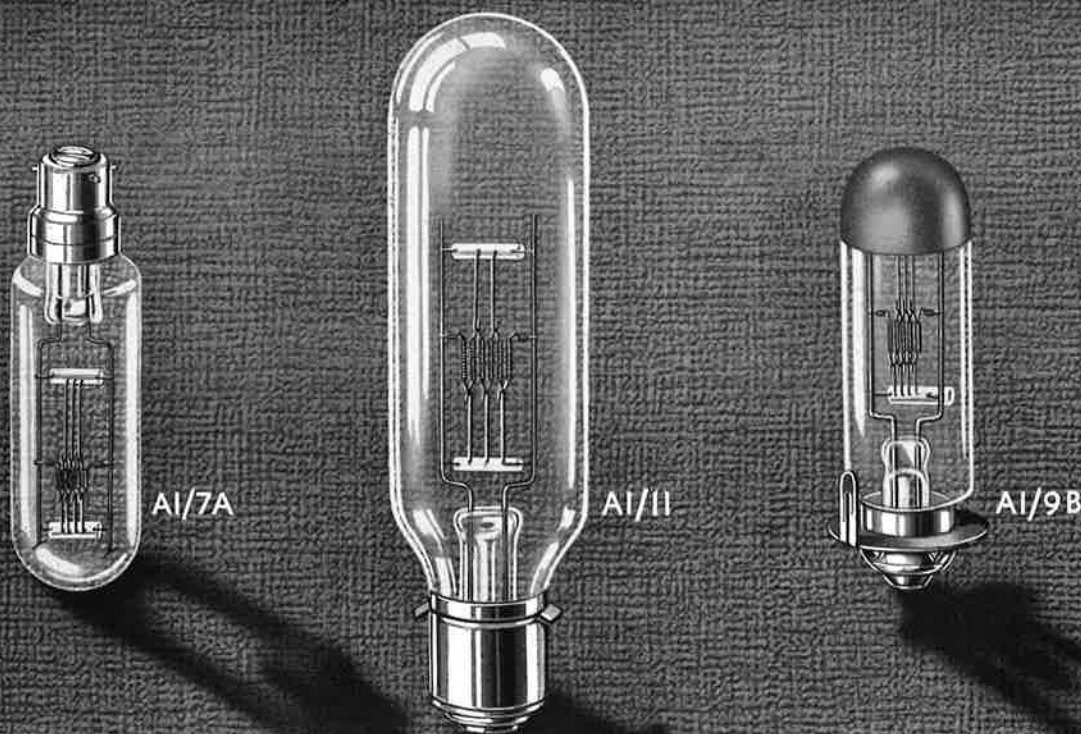


100w. Rough Service



# EKCO

## PROJECTOR LAMPS — Class A1



### Group I

The EKCO Projector Lamp is a high efficiency, compact light source for use in film projectors. To obtain the best service from the lamp, the following points should be carefully noted:

**BURNING POSITION** MAKE SURE THE LAMP IS IN ITS CORRECT BURNING POSITION.

**SUPPLY VOLTAGE** CHECK THE LAMP SUPPLY VOLTAGE FREQUENTLY; a 1 per cent increase may reduce lamp life by 12 per cent.

**VIBRATION** MAKE SURE THE LAMP IS NOT SUBJECTED TO VIBRATION. The lamp filament becomes brittle and fragile with use.

DO NOT MOVE THE LAMP UNTIL IT IS QUITE COLD. Movement when the lamp is hot may set up stresses in the lamp leading to failure at the next switching.

**COOLING** CHECK THE COOLING SYSTEM FREQUENTLY to ensure that there is no obstruction or deflection of the cooling air stream.

**SWITCHING ON** The use of a series resistor to permit gradual raising of the filament to full brightness is recommended. Elimination of the initial surge current (as much as eight times the running current) will prolong lamp life.

**LAMP RATING** In cases where screen illumination is higher than is necessary with a lamp of the specified voltage rating, increased life will be obtained by using a lamp of higher voltage, or by operating the lamp at a voltage below its rated value by adjustment of the resistor or transformer.



# EKCO

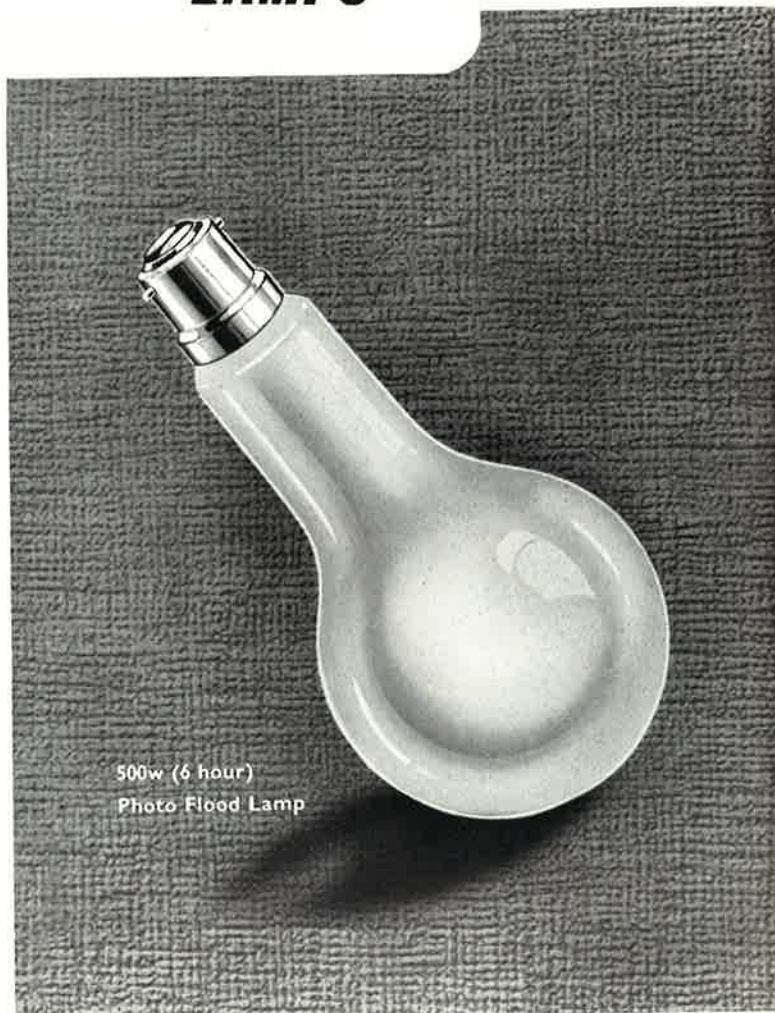
## PHOTO FLOOD AND PHOTOGRAPHIC LAMPS

The filaments of these lamps run at an extremely high temperature and produce light especially suitable for commercial and indoor photography.

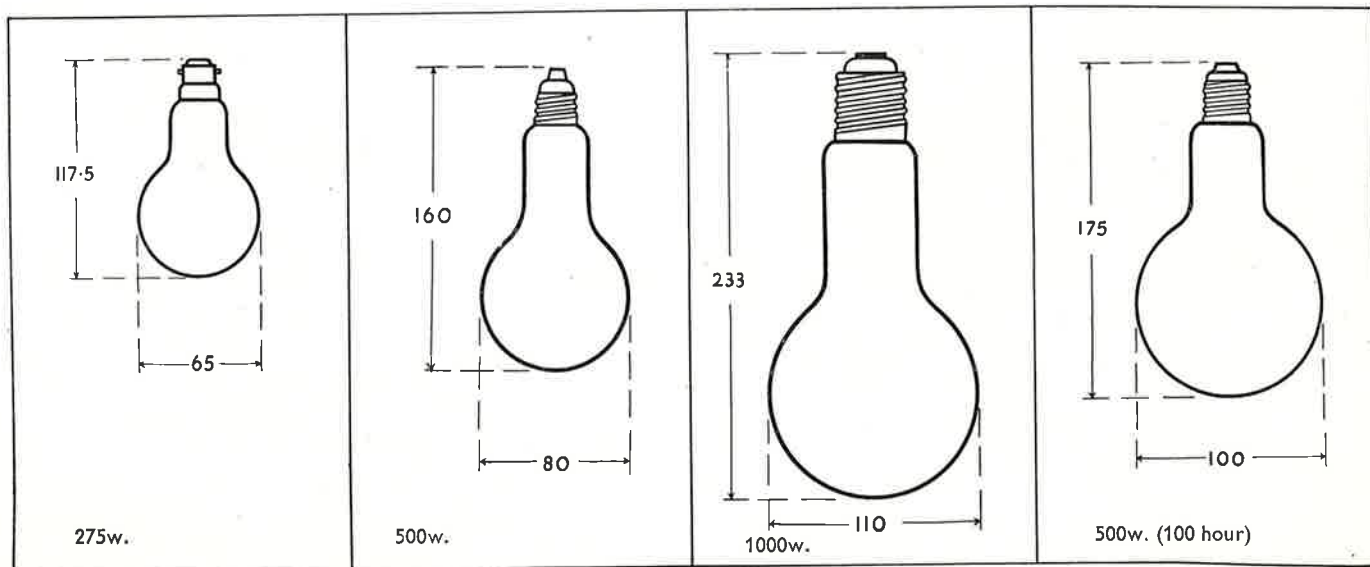
The bulbs are pearl finish.

A safety fuse is fitted in the cap.

Group I				
Wattage	275	500	1000	500
Standard voltages	100—110 200—210 220—230	100—110 200—210 220—230	110	100—110 200—210 220—230
Approx. life	2 hours	6 hours	10 hours	100 hours
Length (mm.) ,, (in.)	$117.5 \pm 3.5$ $4\frac{5}{8}$	$160 \pm 4.5$ $6\frac{1}{4}$	$233 \pm 8$ $9\frac{1}{8}$	$175 \pm 3.5$ $6\frac{7}{8}$
Diameter (mm.) ,, (in.)	$65 \pm 1$ $2\frac{9}{16}$	$80 \pm 1$ $3\frac{1}{8}$	$110 \pm 1.5$ $4\frac{5}{16}$	$100 \pm 1.5$ $3\frac{15}{16}$
Standard cap	B.C. (B22/25 $\times$ 26) or E.S. (E27/25)	B.C. (B22/25 $\times$ 26) or E.S. (E27/25)	G.E.S. (E40/45)	E.S. (E27/25)
Price	2/3	6/-	15/-	20/-



500w (6 hour)  
Photo Flood Lamp



# EKCO

## PROJECTOR LAMPS – Class G



### EXCITER LAMPS

The Ekco Exciter Lamp is most carefully manufactured, particular attention being given to producing a robust high efficiency filament and an accurate light centre length

Exciter lamps for sound film apparatus. Burning position – vertical, cap down. Standard Cap P15s/19.  
Alternative Cap (as illustrated) B15s/17. Diameter for all sizes  $25 \pm 1$  mm.

Group I	Voltage	Current amps.	Overall Length mm.	Light Centre Length mm.	Objective Average Life hours	List Price
Lamp Ref. No.						
EL/1A	8	4	$75 \pm 3$	$37.3 \pm 0.5$	100	6/6
EL/4A	10	5	$75 \pm 3$	$37.3 \pm 0.5$	100	8/6
EL/6A	10	7.5	$75 \pm 3$	$37.3 \pm 0.5$	100	8/6
EL/10A	4	0.75	$48 \pm 3$	$28.5 \pm 0.5$	50	6/6



# EKCO

## CYCLE DYNAMO LAMPS

### HEADLAMPS

### TAIL LAMPS



Headlamps and Tail Lamps

Robust and reliable lamps for all 6v. Cycle Dynamo Sets, Radio panels and hand lamps. All bulbs clear finish. Packed 50 lamps per carton

### HEADLAMPS

Group IV	Current amps.	Bulb Diameter mm.	Finish	Cap	Price
Voltage					
6	0.3	18±1	Clear	S.C.C. (BA15s/17)	1/4
6	0.5	18±1	Clear	S.C.C. (BA15s/17)	1/4
6	0.3	15±1	Clear	M.E.S. (E10/13)	9d.
6	0.5	15±1	Clear	M.E.S. (E10/13)	9d.

### TAIL LAMPS

Group IV	Current amps.	Bulb Diameter mm.	Finish	Cap	List Price
Voltage					
6	0.04	11±1	Clear	M.E.S. (E10/13)	9d.
6	0.04	15±1	Clear	M.E.S. (E10/13)	9d.
6	0.3	15±1	Clear	M.E.S. (E10/13)	9d.



# GENERAL INFORMATION

## LAMP CAPS

**LAMP CAP DESIGNATIONS.** The letter at the commencement denotes the type of cap, such as 'B' bayonet, or 'E' Edison screw. The next two figures give the nominal outer diameter of the cap barrel or screw thread in millimetres. The small letter, if any, before the oblique stroke, such as 'd' or 's', indicates double or single pole. The two figures following the oblique giving the nominal overall length of the cap, and the figures after the 'X' give the nominal diameter of the flange, if any.

**LAMP CAP CODE.** The following abbreviations are those used throughout this folder and should be specified on all orders.

B.C.—Bayonet

S.B.C.—Small Bayonet

E.S.—Edison Screw

S.E.S.—Small Edison Screw

G.E.S.—Goliath Edison Screw

C.C.—Centre Contact

S.C.C.—Small Centre Contact

**VARIATIONS FROM STANDARD CAPS.** Extra charges on List Prices for variations from Standard Caps:

For S.B.C., S.E.S., or S.C.C. in place of B.C., E.S., or C.C. 3d. each  
For G.E.S., in place of B.C. or E.S. or vice-versa 1/6 each

## STANDARD CONTAINERS:

15-100 watts	..	..	..	..	100 per carton
150 watts	..	..	..	..	50 per carton
200 watts	..	..	..	..	24 per carton
300 watts	..	..	..	..	12 per carton
500 watts	..	..	..	..	9 per carton
750-1000 watts	..	..	..	..	6 per carton
1500 watts	..	..	..	..	4 per carton

Ordering by these standard quantities is strongly recommended

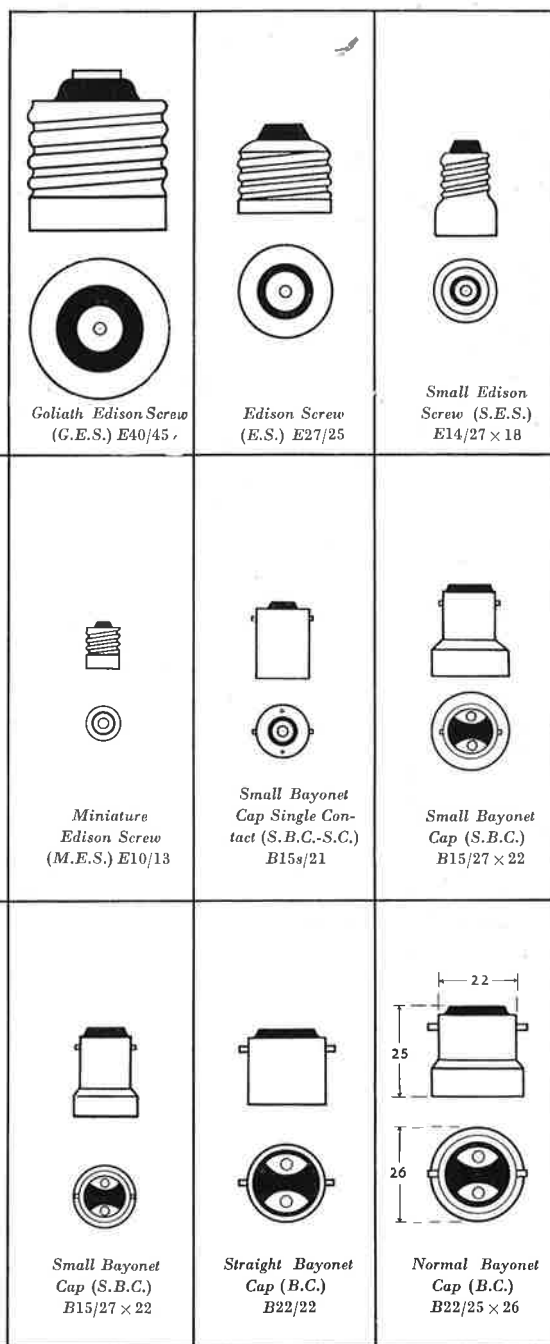
**ORDERING.** Please state clearly on all orders:

1. Quantity; 2. Voltage; 3. Wattage; 4. Type of Lamps;  
5. Finish; 6. Cap types. Example: 50, 230v. 60w. G.F. Pearl B.C.

**CARRIAGE.** Free on all orders in Great Britain and Northern Ireland.

**PURCHASE TAX SCHEDULE.** Purchase tax is chargeable on all electric lamps, up to and including 250 watts.

This table covering all prices quoted in this folder has been compiled for quick reference, the tax being quoted to the nearest ½d. Where a quantity of lamps is purchased, the tax must be calculated as 22½% of the list price.



List Price	Purchase Tax	List Price	Purchase Tax	List Price	Purchase Tax
9d.	2d.	3/2	8½d.	8/6	1/11½
1/1	3d.	3/4	9½d.	9/-	2/1
1/3	3½d.	3/6	9¾d.	9/6	2/2
1/4	3¾d.	3/9	10d.	11/6	2/8
1/5	4d.	4/-	11d.	11/9	2/8½
1/6	4½d.	4/3	11½d.	12/-	2/9
1/7	4¾d.	4/5	1/-	14/-	3/2
1/8	4¾d.	4/6	1/0½	15/-	3/5
1/9	5d.	4/9	1/1	15/6	3/6
1/10	5d.	4/11	1/1½	17/3	3/11
1/11	5½d.	5/-	1/1¾	17/6	3/11½
2/-	5½d.	5/6	1/3	18/-	4/1
2/2	6d.	5/9	1/4	21/-	4/9
2/3	6d.	5/10	1/4½	23/3	5/3½
2/4	6½d.	6/1	1/4¾	24/-	5/5½
2/5	6½d.	6/6	1/6	27/6	6/3
2/6	7d.	7/6	1/8½		
3/-	8d.	8/-	1/10		

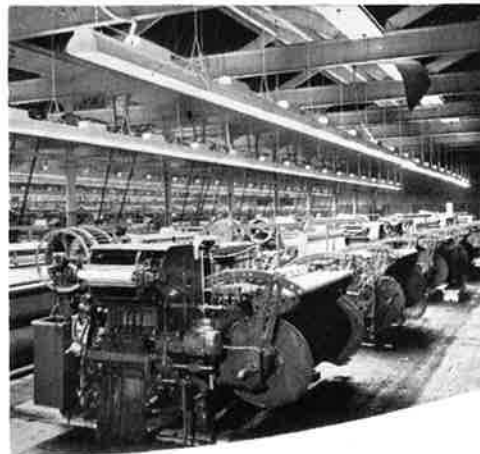
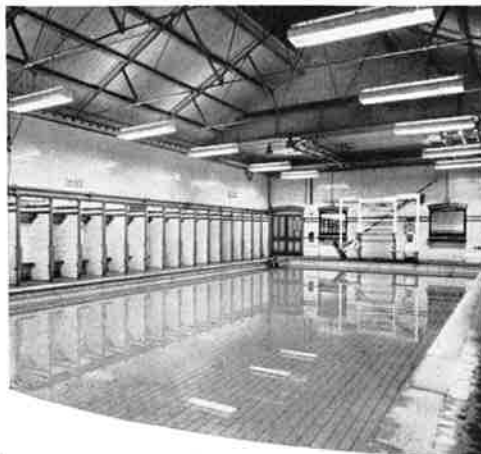
# EKCO

## PLANNED LIGHTING

Typical examples of Ekco *planned* lighting installations, using Ekco Fluorescent Lamps, Lighting Fittings and Control Gear, are shown below. This modern and most efficient form of lighting – glare-free, shadowless and evenly diffused – has a marked beneficial effect on comfort, resulting in faster and more accurate working, fewer accidents and less spoiling of materials. The EKCO-ENSIGN LIGHTING ADVISORY SERVICE will gladly submit *planned* lighting schemes for any industrial, commercial or municipal undertaking. Application should be made to the nearest Sales Office or Showroom as detailed on Inside Front Cover.



**FOR OFFICE, FACTORY, SHOP AND STORE**



*Acknowledgments to: Commercial Union Assurance Co. Ltd.,  
Frederick Gorrings Ltd., Islington Borough Council, Learoyd Bros.*

## CONDITIONS OF SALE

All orders for lamps, lighting fittings and control gear are accepted and executed on the understanding that the purchaser is bound by the following Conditions of Sale which shall constitute a binding contract.

### PRICES AND DISCOUNTS

Subject to alteration by us without notice. All lamps, fittings and control gear will be invoiced at prices current at the date of despatch by us irrespective of prices ruling at the time of acceptance of order. Re-sellers of our lamps, fittings and control gear shall sell the lamps, fittings and control gear at our current prices less the appropriate discounts as authorised by us and not otherwise.

### PAYMENT

2½ per cent settlement discount allowed for payment by end of month following date of invoice, unless otherwise stated by us in writing.

Approved purchasers desiring to open credit accounts should furnish two satisfactory trade references and name and address of Bankers.

### CARRIAGE

On all orders carriage free to any part of Great Britain and Northern Ireland.

When special delivery arrangements are requested, the differences between goods and special rate will be charged.

### LOSS OR DAMAGE IN TRANSIT

In the event of loss or damage in transit, it is essential that carriers and our despatching depot be advised within three days of receipt of goods.

Irrespective of conditions of packing, goods and packing should be held for inspection by carriers before return. After inspection, carriers should accept goods for return to despatching depot, carriage free.

The following details should be sent to us:

Advice Note number	Date carrier advised
Date consignment received	Condition of package
Carriers' name	Damage or shortage

In the event of non-delivery, carriers and our despatching depot should be advised within ten days of date of advice note. EKCO-ENSIGN will not be responsible for goods lost or damaged in transit unless the above directions are observed.

### DELIVERY

Every effort will be made on our part to meet customers' demands as regards deliveries and it must be understood that all orders are accepted by us on this understanding and that we are not to be held responsible in damages or otherwise for failure or delay in delivery resulting wholly or in part from fire, strikes or from any breakdown in transit that may occur either to or from our Works or from the unavoidable total or partial stoppage of works or from war or failure in supply of raw material or from any other cause beyond our reasonable control.

### GUARANTEE

Ekco and Ensign lamps, fittings and control gear conform with the current British Standards and to the highest standards of efficiency and manufacture. Any Ekco or Ensign lamps, fittings or control gear proved defective through faulty material or workmanship will be replaced or the value credited at our option provided that such lamps, fittings and control gear are returned to our nearest Depot carriage paid and duly advised. We shall not be responsible for consequential damage.

### EXPORT

No lamps, fittings or control gear supplied hereunder shall be exported directly or indirectly without our written consent.

### LEGAL CONSTRUCTION

This contract shall be construed according to the Law of England and if any question dispute or difference shall arise between the parties hereto in respect of the construction of this Agreement or their respective rights duties or liabilities hereunder the same shall be referred to a single arbitrator in London in case the parties can agree upon one but otherwise the same shall be referred to arbitration in London under the provision of the Arbitration Acts 1889 to 1934 or any statutory modification or re-enactment thereof which said provisions shall also apply to the case of a reference to a single arbitrator.

## FLUORESCENT LAMPS

### GUARANTEE

These lamps are guaranteed to be free from any defect of material or manufacture which may cause premature failure when the lamp is used under the correct operating conditions.

Any lamp proved defective through faulty material or workmanship will be replaced or the value credited at our option provided that such lamps are returned to our nearest Depot carriage paid and duly advised.

It is a condition of sale that we shall not be responsible nor answerable for any personal injuries or consequential or resulting liability, damage or loss arising from any defects of our products.

### LIFE

Some variations in the lives of individual lamps may be experienced, but the average life of a batch of lamps should equal the nominal life of that type of lamp.

### OPERATING CONDITIONS

The life of a fluorescent lamp can be adversely affected by a number of factors beyond the control of the manufacturer. The guarantee given above is not valid unless correct conditions of operation are maintained. It is the responsibility of the user to ensure that the following conditions are observed:

(1) **Voltage** Operation at a mains voltage outside the range for which the control gear is designed is detrimental to both lamps and control gear. It is, therefore, essential to ensure that control gear of the correct voltage rating is used.

(2) **Control Gear** Control gear should be of a design manufactured or approved by Ekco-Ensign Electric Ltd. in order to ensure that lamps are run under correct operating conditions.

(3) **Temperature** Lamps are designed to operate at maximum efficiency within the temperature range of 65-90° F. (i.e. at just above normal room temperatures). Temperatures well below or above these values will result in reduced lamp performance. Situations in which there is a high ambient temperature due to lack of air circulation or a low temperature due to draughts should therefore be avoided.

### WARNING

*When a lamp blinks on and off rapidly or does not start correctly, the lamp or the starter should immediately be replaced, or the fitting should be switched off until it can receive attention. Rapid blinking causes deterioration of both lamp and starter and may be due to either of these being defective, or to low mains voltage, or, in exceptional cases, to low temperature.*

**NOTE** In assessing the total load of a lighting installation the control gear watts should be added to the watts taken by the lamp.

Equipment may vary slightly in detail from descriptions given, to accommodate improvements in design, or changes in technique.





**The Decorative Lights that  
Father Christmas recommends**



# EKCO Joy Lights

**Standard Set**

Comprising 12 shades and 13-2½w. Lamps, (1 spare lamp per set), for 200/250 volts.

24/- plus 5/6 P.T.

**De-Luxe Set**

Comprising 11-5w. bell-shaped lamps (10 in a string and 1 spare), for 200/250 volts.

27/6 plus 6/3 P.T.

# Perhaps you need a better light . . . .

"If only I could see what I am doing I'd get on much better." How often you hear that said—how often you say it yourself! Well, now is the time to *do* something about it. Poor lighting is a prolific cause of bad work and bad temper, of eyestrain, headaches and discomfort. Good lighting costs little more—but what a difference it makes! The range of EKCO lamps and Fluorescent lighting equipment covers every domestic, commercial and industrial need. Banish the gloom! Remember, the name is EKCO.

## GENERAL SERVICE LAMPS

### Single Coil

Watts	200, 210, 220, 230, 240, 250, 260 Volts.		6, 12, 25, 35, 50, 55, 60, 65, 75, 150 Volts.		100, 110, 115, 120, 130 Volts.		Standard Caps
	Clear	Pearl	Clear	Pearl	Clear	Pearl	
15 or 25	1/3	1/3	1/9	1/9	1/3	1/3	B.C.
40 or 60	1/1	1/1	2/-	2/-	1/3	1/3	B.C.
75	1/5	1/5	3/-	3/-	1/7	1/7	B.C.
100	1/6	1/6	3/-	3/-	1/8	1/8	B.C.
150	2/3	2/3	5/-	5/-	2/5	2/5	B.C. or E.S.

### COILED COIL

Watts	Pearl	Voltages	Standard Caps
40 or 60	1/4	200, 210, 220, 230, 240, 250, 260	B.C.
75	1/7	"	B.C.
100	1/8	"	B.C.

## ECONOMY LAMP

This lamp is suitable for locations where a small amount of light is required, such as in children's or in invalid's bedrooms. It can also be used in such situations as landings and stairways. Its current consumption is exceedingly small and its life is several thousand hours.

Voltage range	200/250	Price
Wattage	5-8 according to applied voltage	1/6
Bulb (Pearl only)	50 mm. (1 1/8 in.)	
Cap	B.C., S.B.C., or S.E.S.	



The EKCO range of Tungsten lamps includes Colour Sprayed, Bowl Frosted, Daylight Blue, Pygmy Sign, Rough Service, Traction, Tubular, Striplite, Candle, Photo Flood and Projector Lamps. EKCO Fluorescent lamps are available in five standard types, three colours, five lengths and six ratings.

## FOR LAMPS AND FLUORESCENT LIGHTING

**EKCO-ENSIGN ELECTRIC, LTD., SOUTHBEND-ON-SEA, ESSEX.** Tel. Southend 49491.  
**Lighting Advisory Service and Sales Offices:** 5, Vigo Street, London, W.1 (and Showroom), Tel. Regent 7030 ;  
 Kent Street Works, Preston, Lancs., Tel. Preston 4628 ; 50, Bridge Street, Cardiff, Tel. Cardiff 5426 ; 26, India  
 Street, Glasgow, C.2, Tel. Central 2012 ; 57, Hounds Gate, Nottingham, Tel. Nottingham 45862 ; and 40/42,  
 Summer Row, Birmingham 3, Tel. Central 2997. **Export Division:** Dean House, Dean Street, London, W.1.  
 Tel. Gerrard 2419.



# EKCO LAMPS

