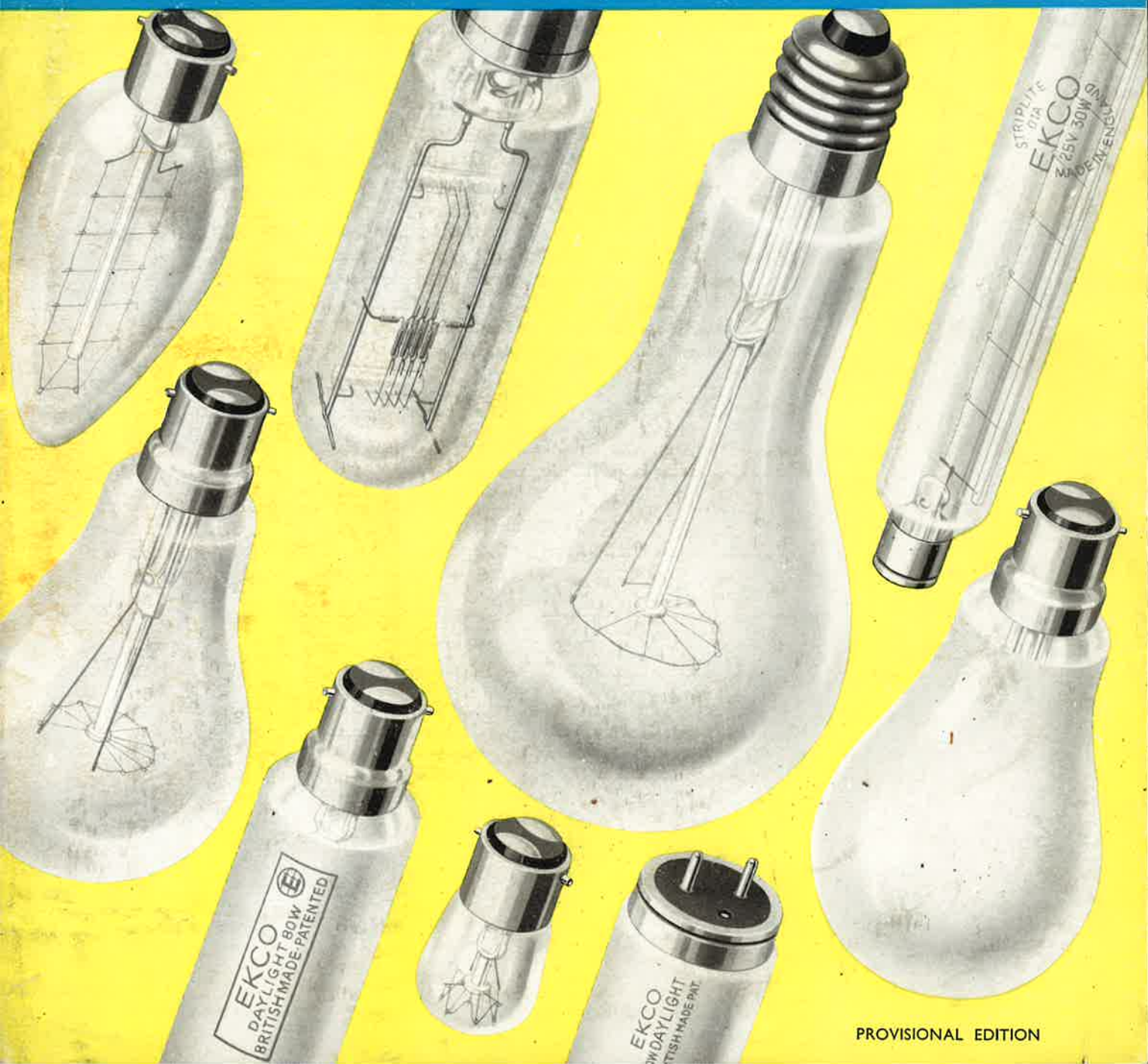


EKCO

Lighting



PROVISIONAL EDITION

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:

(Southern)

5 Vigo Street, London, W.1 Telephone: Regent 7030

(Midland)

40 & 42 Summer Row, Birmingham 3
Telephone: Central 2997

(East Midland)

57 Hounds Gate, Nottingham Telephone: Notim. 45862

(Northern)

Kent Street Works, Preston, Lancs. Telephone: Preston 4628

(South Wales)

50 Bridge Street, Cardiff Telephone: Cardiff 5426

(Scottish)

26 India Street, Glasgow, C.2 Telephone: Central 2012

EKCO

Lighting

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EKCO GENERAL LIGHT



SINGLE COIL LAMPS

PRICE LIST

Wattage	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	
	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/-	—	—	—

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.

Voltage range	200/250	List Price 1/6
Wattage	5-8 according to applied voltage	
Bulb (Pearl only)	50 mm. (1 $\frac{15}{16}$ in.)	
Cap	B.C., S.B.C., or S.E.S.	

COILED COIL PEARL LAMPS

200, 210, 220, 230, 240, 250, 260 volts— Standard cap—B.C.			
40w.	60w.	75w.	100w.
1/4	1/4	1/7	1/8

ING SERVICE LAMPS

LIGHT OUTPUT

Nominal average lumens through 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 lighting 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 A		Bulb Diameter B		Light Centre Length C		Neck Diameter D	
		mm.	in.	mm.	in.	mm.	in.	mm.	in.
15	B.C.	92.5±3.5	3 $\frac{5}{8}$	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 $\frac{11}{16}$	100±3	3 $\frac{11}{16}$	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 $\frac{11}{16}$
500	G.E.S.	267±8	10 $\frac{1}{2}$	130±1.5	5 $\frac{1}{8}$	202±7	7 $\frac{11}{16}$	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 $\frac{11}{16}$	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.

DECORATIVE, DAYLIGHT AND COLOUR SPRAYED LAMPS



'JOYLIGHT' DECORATIVE LIGHTING SET

This decorative lighting set will prove a popular addition to the range of Ekco lamps for public sale. The Standard Set consists of 12-2½w. lamps in series and fitted with bell-shaped plastic shades coloured Red, Pink, Blue, Yellow and Green. The De-Luxe Set consists of 10-5w. bell-shaped lamps in similar colours. Both are packed in attractive full colour display boxes with cut-out of Father Christmas head in the lid and complete with one spare bulb.

For Standard Voltages 200/250v.

STANDARD SET 24/- plus 5/6 purchase tax

DE-LUXE SET 27/6 plus 6/3 purchase tax

(Spare lamps available at 1/- plus 3d. purchase tax)

COLOUR SPRAYING

Red, Pink, Amber, Orange, Yellow, Green, Blue, Flame, White

Extra cost per lamp above clear lamp list prices

15/25w.	40/75w.	100w.	150w.	200w.	300w.	500w.	750w.
2d.	3d.	4d.	9d.	1/6	1/9	2/3	2/6

BOWL FROSTING

Extra cost per lamp above clear lamp list prices

200w.	300w.	500w.	750w.	1000w.	1500w.
1/-	1/3	1/6	1/9	2/6	2/6

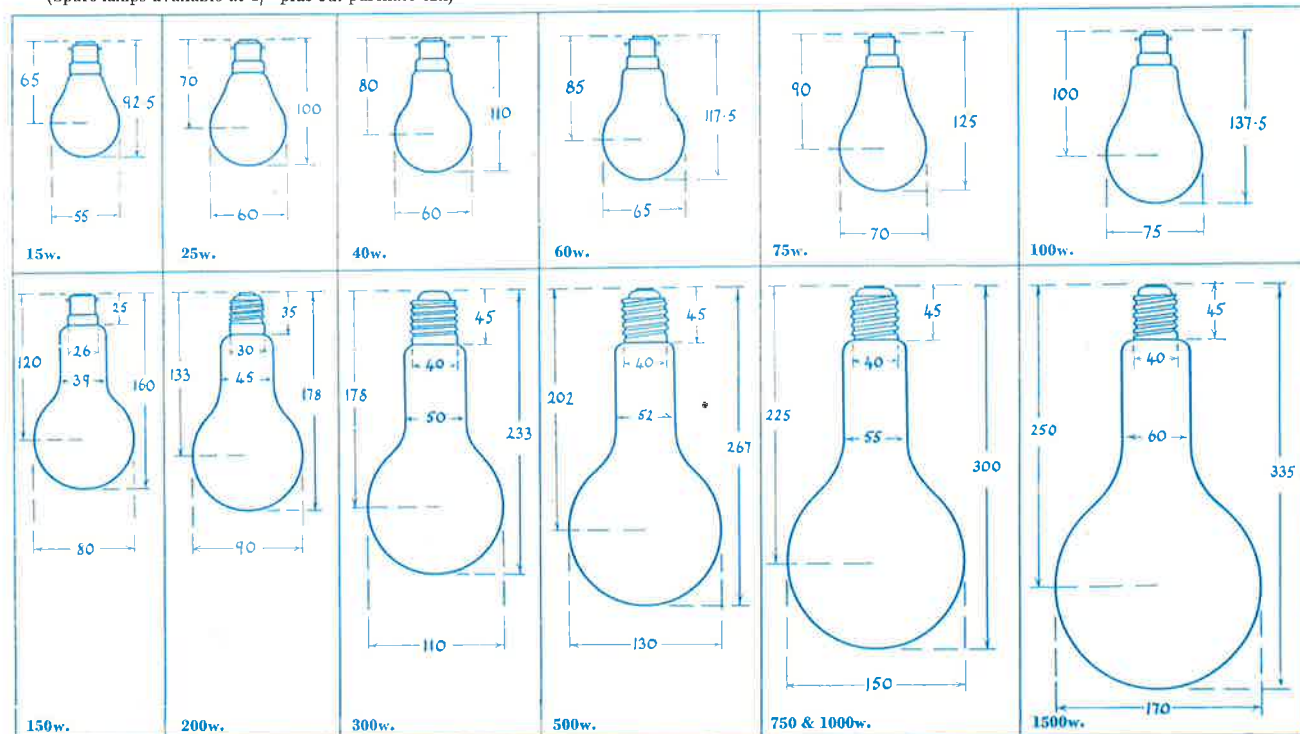
DAYLIGHT LAMPS

(Dimensions as general lighting service lamps)

These lamps have a blue glass bulb which filters out 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.

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



CANDLE, PYGMY SIGN, CRUCIFORM & THEATRE BATTEN 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., S.B.C., S.E.S., S.C.C.

Wattage	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 $\frac{3}{16}$	4/6	4/11

THEATRE BATTEN LAMPS

(Samiloff Type)

Wattages ..	60	100	150
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 $\frac{3}{8}$ in.). Diam.: 75 mm. (2 $\frac{11}{16}$ in.)

Light centre length: 120 mm. (4 $\frac{3}{4}$ in.)

Standard cap—B.C.

CRUCIFORM LAMPS

5w. neon lamps for operation on A.C. 200/220v. or

230/250v. Standard cap—B.C.

Length		Diameter		List Price
mm.	in.	mm.	in.	
100 max.	3 $\frac{1}{16}$	25	1	4/6 Purchase Tax Free

PYGMY SIGN LAMPS

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

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

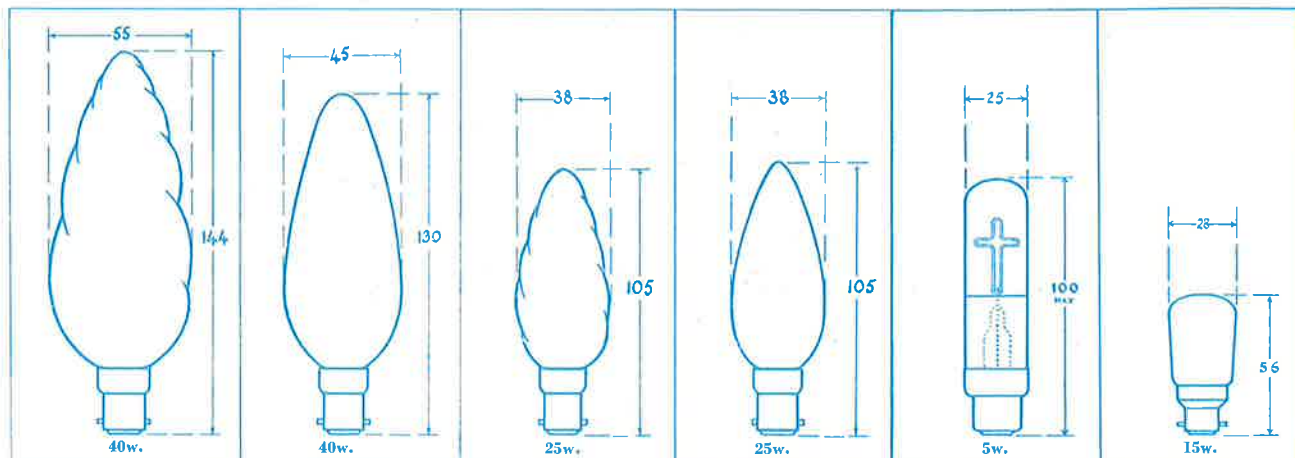
Standard cap	Length		List Price			
			25, 50, 60, 65, 75, 150 volts		110, 130, 200, 210, 220, 230, 240, 250 volts	
	mm.	in.	Clear	Colour Sprayed	Clear	Colour Sprayed
B.C.	56±3	2 $\frac{3}{16}$				
E.S.	58±3	2 $\frac{1}{4}$				
S.B.C.	62±3	2 $\frac{7}{16}$	2/-	2/2	1/7	1/9
S.E.S.	64±3	2 $\frac{1}{2}$				

Other sizes and rating of sign lamps to order. Prices on application



Candle Twisted

Pygmy Sign



EKCO TUBULAR LAMPS



DOUBLE CAP

Standard Cap—Small centre contact
110, 120, 200, 210, 220, 230, 240, 250, 260 volts.

Diameter for all sizes 25 ± 1 mm. (1 in.).

Colour spraying—standard colours as for clear lamps—see page 4.

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

SINGLE CAP

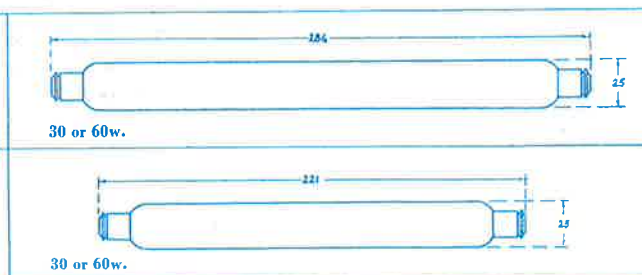
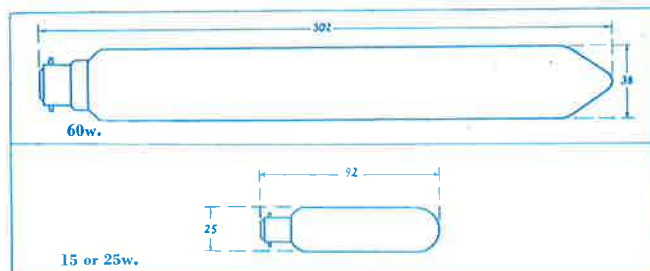
Standard Voltages:

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.

Wattage	Length		Diam.		Standard Cap	List Price
	mm.	in.	mm.	in.		
15 or 25	92 ± 3	$3 \frac{5}{8}$	25 ± 1	1	B.C., S.B.C. E.S., S.E.S., C.C.	Clear 3/6 Colour Sprayed 3/9
60	302 ± 3	$11 \frac{7}{8}$	38 ± 1	$1 \frac{1}{2}$	B.C.	Opal 8/6 Opal Colour Sprayed 9/-



EKCO TRACTION LAMPS

BUS, COACH AND YACHT LIGHTING LAMPS

Standard cap—B.C. or S.B.C. Clear or Pearl

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



TROLLEY BUS LAMPS

Standard cap—B.C. Clear or Pearl Voltage 35v.

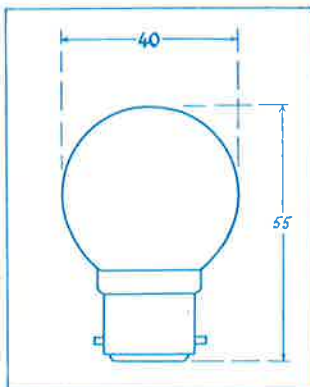
Wattage	List Price	
	40 mm. bulb	50 mm. bulb
15	2/6	2/6
20	3/9	3/9
36	3/9	3/9

TRAIN LIGHTING

Several other sizes of lamps are available—details and prices on application.

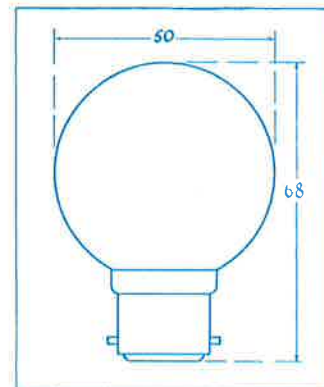
Diam. 40 mm. ($1\frac{9}{16}$ in.) Overall length 55 mm. ($2\frac{3}{16}$ in.)

Diam. 50 mm. ($1\frac{15}{16}$ in.) Overall length 68 mm. ($2\frac{11}{16}$ in.)

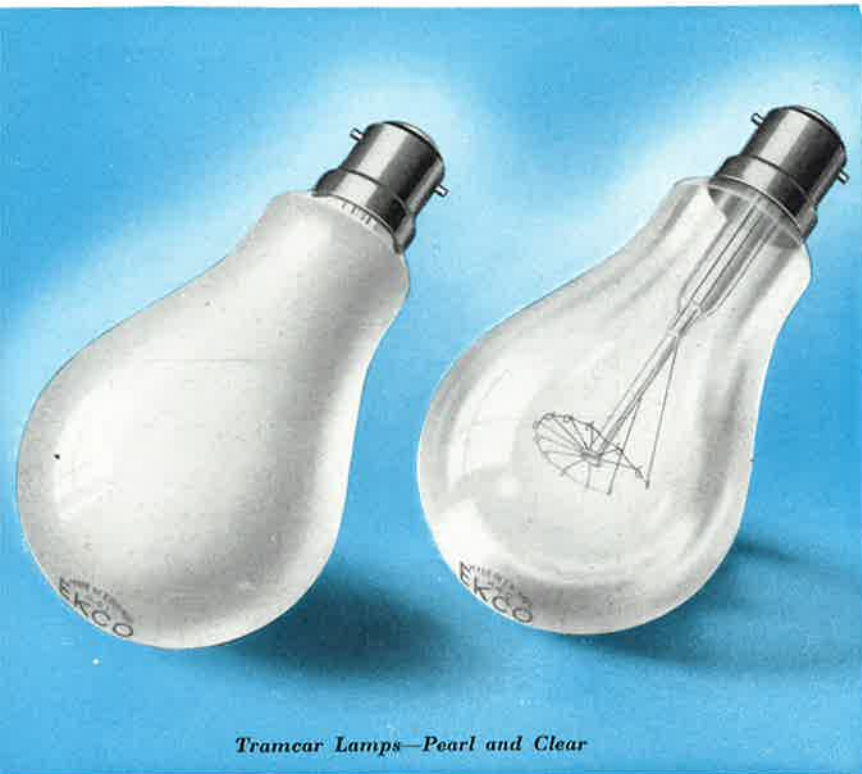


TRACTION LAMPS

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



EKCO TRACTION, ROUGH SERVICE



Tramcar Lamps—Pearl and Clear

TRAMCAR LAMPS

(For series operation)

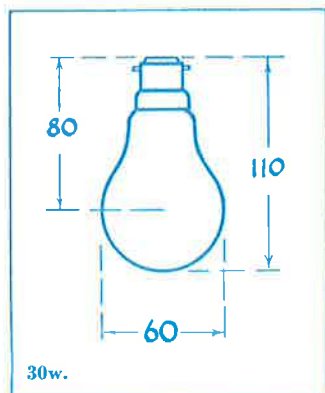
These lamps are marked with their rated current and only those having the same current should be connected to each other in series.

100, 105, 110, 115, 120, 125, 130 volts.

Standard cap—B.C. or E.S.

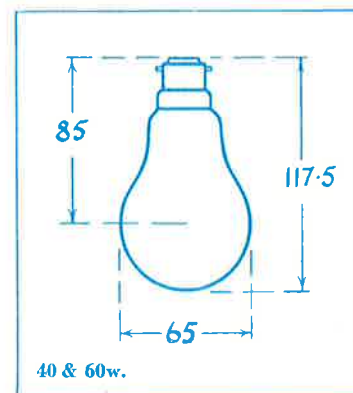
CLEAR OR PEARL

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



TRACTION LAMPS

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



TRAFFIC SIGNAL LAMPS

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.

Clear bulbs only.

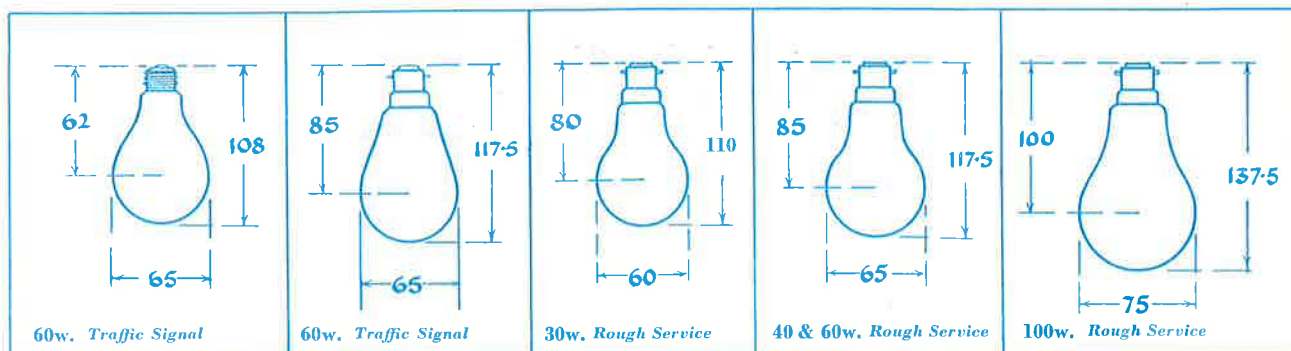
Wattage	Length	Diameter	Light Centre Length	Standard Cap	List Price
	mm.	mm.			
60	117.5 ± 3.5	65 ± 1	85 ± 3	B.C.	1/9
	108 ± 3.5	65 ± 1	62 ± 3	E.S.	1/9



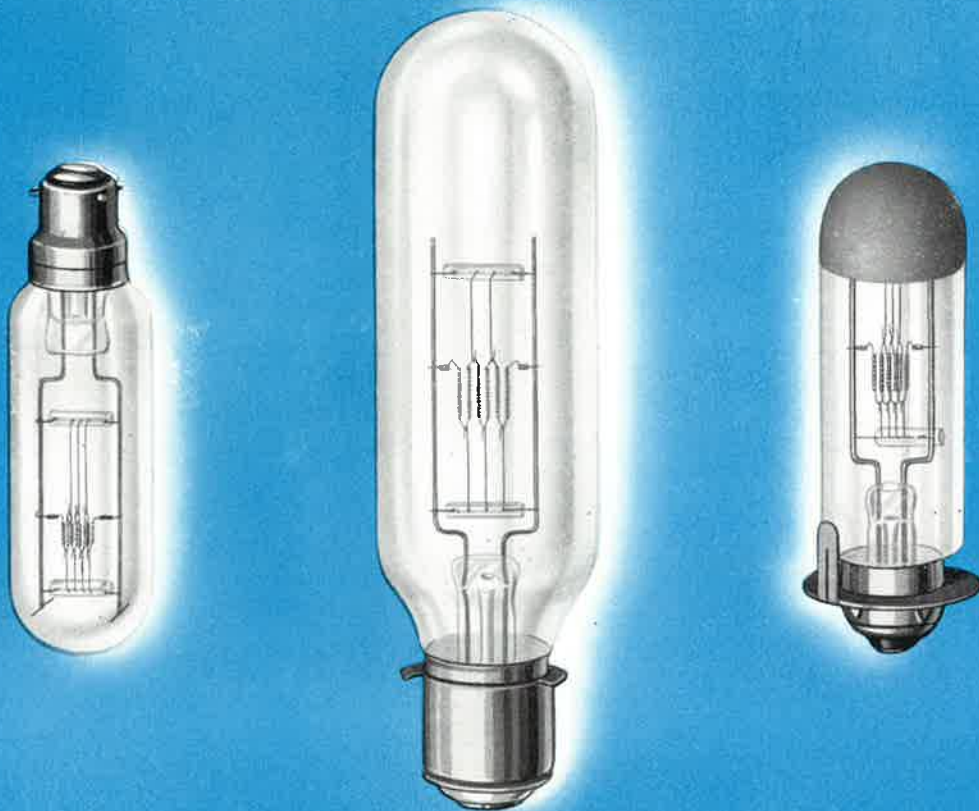
ROUGH SERVICE LAMPS

The Ekco rough service lamp has the filament supported in a special manner to withstand vibration and other severe conditions. Standard cap—B.C. or E.S. Clear or Pearl.

Wattage	Length		Diameter		List Price		
	mm.	in.	mm.	in.	25, 35, 50, 55, 60, 65, 75 volts	100, 110, 120, 130 volts Single Wreath	200, 210, 220, 230, 240, 250, 260 volts * Twin Wreath
30	110 ± 3.5	$4 \frac{5}{16}$	60 ± 1	$2 \frac{3}{8}$	2/6	1/9	—
40	117.5 ± 3.5	$4 \frac{5}{8}$	65 ± 1	$2 \frac{9}{16}$	2/6	1/9	* 1/9
60	117.5 ± 3.5	$4 \frac{5}{8}$	65 ± 1	$2 \frac{9}{16}$	2/6	1/9	* 1/9
100	137.5 ± 3.5	$5 \frac{3}{8}$	75 ± 1	$2 \frac{15}{16}$	—	—	2/6



EKCO PROJECTOR LAMPS



EKCO PROJECTOR LAMPS

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 PROJECTOR LAMPS

CLASS A1—TUBULAR BULB

Lamp Ref. No.	Wattage	Voltages	Standard Cap	Diameter mm.	Overall Length mm.	Light Centre Length mm.	Filament	Objective Average Life Hrs.	List Price
A1/1	25	50	Small centre contact bayonet	16±1	57±3	29±2	Flat grid	50	4/3
A1/2	50	110, 115	Small centre contact bayonet	25±1	76±3	34.5±2	Flat grid	50	6/6
A1/3	100†	30	Medium Pre-focus	25±1	133±7	55.5±0.5	Flat grid offset	50	11/9
A1/4	100†	12, 110, 115 , 200, 210, 220, 230, 240 , 250	Medium Pre-focus	25±1	133±7	55.5±0.5	Flat grid	50	11/9
A1/5	250†	50, 110, 115 , 200, 210, 220, 230, 240 , 250	Medium Pre-focus	32±2	133±7	55.5±0.5	Flat grid	50	21/-
A1/6	300*†	110, 115	Medium Pre-focus	32±2	133±7	55.5±0.5	Flat grid	25	26/-
A1/7 (PT5/1)	500*†	110, 115	Medium Pre-focus	32±2	133±7	55.5±0.5	Bi-plane	25	33/9
A1/7A (PT5/2)	500*‡	110, 115	3 pin B.C. 22/25/26	38 max.	133±7	95±0.5	Bi-plane Offset	25	37/6
A1/8	500	110, 115 , 200, 210, 220, 230, 240 , 250	Medium Pre-focus	64±2	133±7	55.5±0.5	Flat grid	50	25/-
A1/9 (PT7/1)	750*†	110, 115	Medium Pre-focus	38±2	133±7	55.5±0.5	Bi-plane	25	38/9
A1/9A (PT7/2)	750*‡	110, 115	3 lug ring 8/8/6	38 max.	133±7	81±0.5	Bi-plane Offset	25	38/9
A1/9B (PT7/3)	750*†	110, 115	S26S/25. B. & H.	38±2	128±7	59±0.5	Bi-plane	25	38/9
A1/10	900	30	Large Pre-focus	64±2	235±10	84±0.5	Flat grid	50	37/6
A1/11 (PT10/4)	1000	110, 115 , 200, 210, 220, 230, 240 , 250	Large Pre-focus	64±2	235±10	84±0.5	Flat grid	50	32/6
A1/11A (PT10/3)	1000*†	110, 115	S26S/25. B. & H.	38±2	133±7	59±0.5	Bi-plane	25	45/-
A1/11B (PT10/1)	1000*†	110, 115	Medium Pre-focus	38±2	133±7	55.5±0.5	Bi-plane	25	45/-
A1/11C (PT10/2)	1000	110, 115	G.E.S.	64±2	230±10	120±0.5	Flat grid	50	30/-

Burning position: vertical, cap down, except lamps marked thus ‡, which must be burnt vertically, cap up.

* Forced cooling is necessary for these lamps so that no part of the wall of the bulb exceeds a temperature of 500° C.

† Crown of bulb with opaque coating.

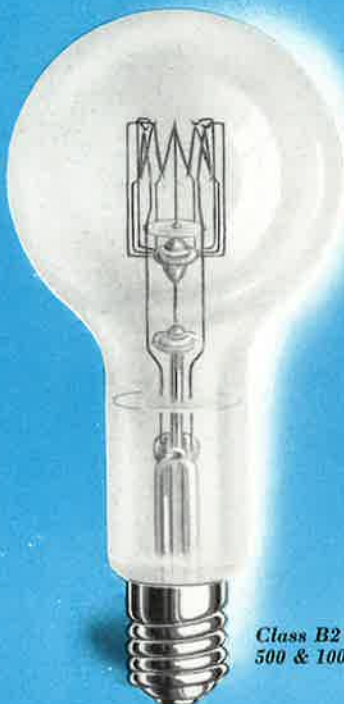
§ Non-standard caps supplied to order. Prices on application.

The figures in brackets in column one were formerly Ekco catalogue numbers for these lamps.
Standard voltages are shown in heavy type.

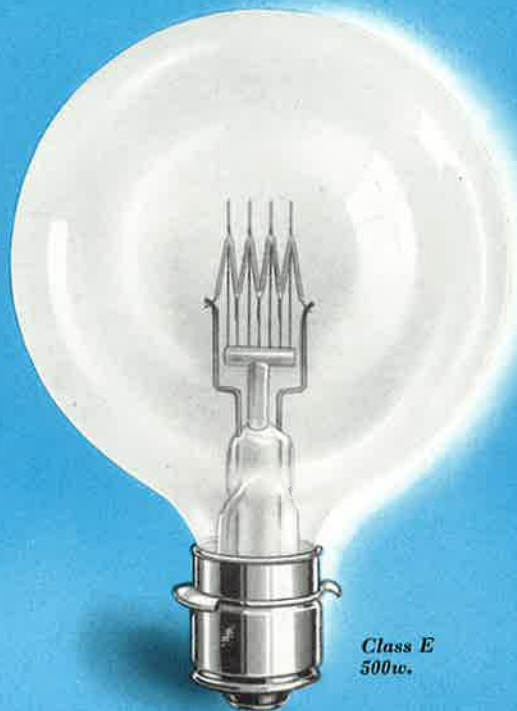
EKCO PROJECTOR LAMPS



Class B1—500 and 1000w.



*Class B2
500 & 1000w.*



*Class E
500w.*



Class B1—250w.



Class B1—100w.

CLASS B1—ROUND BULB FOR FLOODLIGHTING AND THEATRE SPOTLIGHTS

Burning position—any, except within 45° of cap up position.

Objective average life—800 hours.

Voltages 115, 200, 210, 220, 230, 240, 250.

Lamp Ref. No.	Wattage	Standard Cap	Diameter	Overall Length	Light Centre Length	List Price
B1/1	100	E.S.	mm. 80±2	mm. 115±10	mm. 75±5	9/-
B1/2	250	E.S.	mm. 95±2	mm. 125±10	mm. 75±5	17/6
B1/3	500	G.E.S.	mm. 130±5	mm. 180±10	mm. 115±5	23/-
B1/4	1000	G.E.S.	mm. 130±5	mm. 180±10	mm. 115±5	30/-

CLASS B2—STANDARD GENERAL SERVICE BULB WITH BUNCHED FILAMENT (FLOODLIGHTING)

Burning position—any

Objective average life—800 hours.

Voltages 115, 200, 210, 220, 230, 240, 250.

Lamp Ref. No.	Wattage	Standard Cap	Diameter	Overall Length	Light Centre Length	List Price
B2/1	500	G.E.S.	mm. 130±5	mm. 267±8	mm. 202±7	23/-
B2/2	1000	G.E.S.	mm. 150±5	mm. 300±9	mm. 225±8	30/-

CLASS E—ROUND BULB WITH FLAT GRID FILAMENT FOR EPIDIASCOPE PROJECTION

Burning position—any, except within 45° of cap down position.

Objective average life—100 hours.

Voltages 115, 200, 210, 220, 230, 240, 250.

Lamp Ref. No.	Wattage	Standard Cap	Diameter	Overall Length	Light Centre Length	List Price
E/1	500	Medium Pre-focus	mm. 100±2	mm. 135±10	mm. 60±0.5	31/-

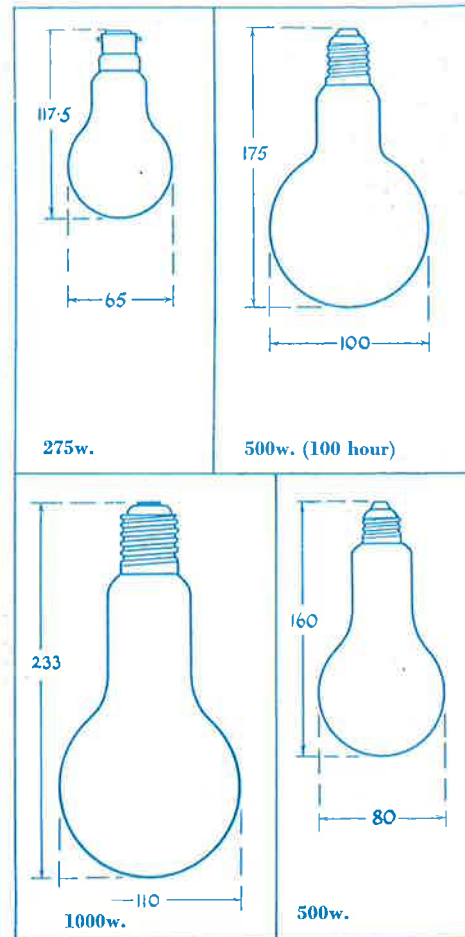
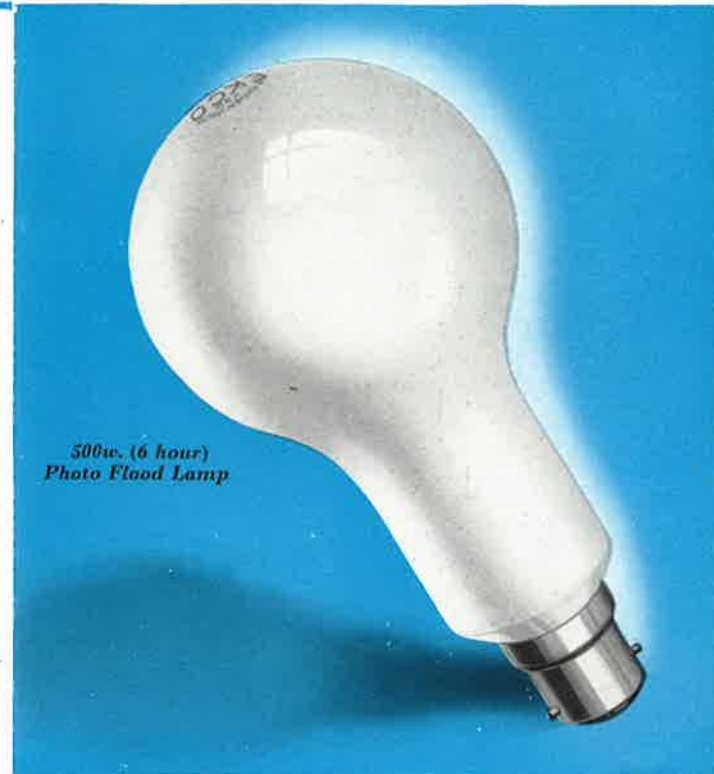
EKCO PHOTO FLOOD LAMPS

PHOTO FLOOD 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.

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 ± 3.5 $4\frac{5}{8}$	160 ± 4.5 $6\frac{1}{4}$	233 ± 8 $9\frac{1}{8}$	175 ± 3.5 $6\frac{7}{8}$
Diameter (mm.) ,, (in.)	65 ± 1 $2\frac{9}{16}$	80 ± 1 $3\frac{1}{8}$	110 ± 1.5 $4\frac{5}{16}$	100 ± 1.5 $3\frac{11}{16}$
Standard cap	B.C. or E.S.	B.C. or E.S.	G.E.S.	E.S.
Price	2/3	6/-	15/-	20/-



GENERAL INFORMATION

LAMP CAPS

LAMP CAP CODE

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

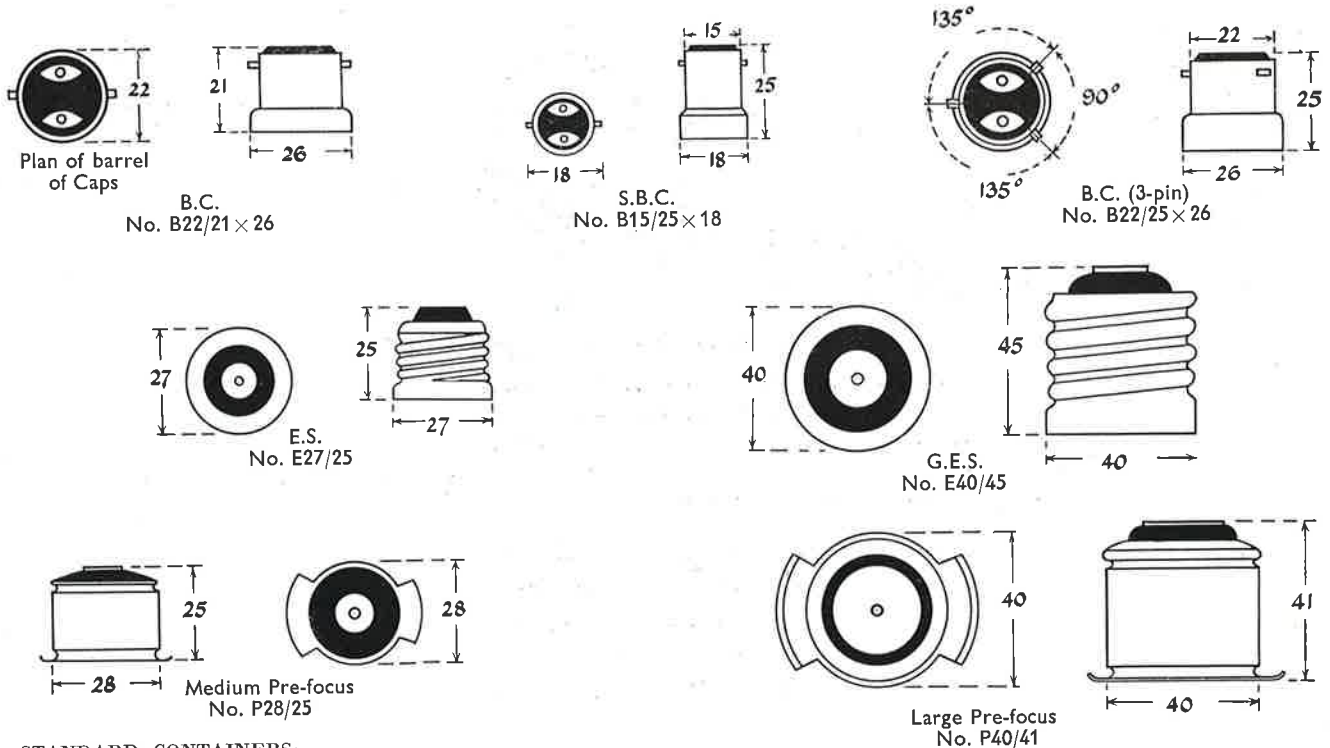
B.C.—Bayonet
S.B.C.—Small Bayonet
E.S.—Edison Screw
S.E.S.—Small Edison Screw
G.E.S.—Goliath Edison Screw
C.C.—Centre Contact
S.C.C.—Small Centre Contact

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

Dimensions of the majority of these caps are given below. Others will be supplied on application.

Bayonet (B.C.) B 22/21 × 26 Goliath Edison Screw (G.E.S.) E 40/45 Medium Pre-focus P 28/25 Three-pin B.C. B 22/25 × 26 (3-pin)
Edison Screw (E.S.) E 27/25 Large Pre-focus P 40/41



STANDARD CONTAINERS:

15-100 watts	..	..	..	..	100 and 50 per carton
150 watts ..	..	..	..	..	50 per carton
200 watts ..	..	..	..	..	24 per carton
300 watts ..	..	..	..	..	12 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 (Resulting from the Budget dated April, 1948)

Purchase tax is chargeable on all electric lamps, with the exception of those rates at over 250 watts. This table covering all prices quoted in this folder has been compiled for quick reference, the tax being quoted to the nearest 1/4d. Where a quantity of lamps is purchased, the tax must be calculated as 22 3/4% of the list price.

List Price	Tax	List Price	Tax	List Price	Tax	List Price	Tax	List Price	Tax	List Price	Tax	List Price	Tax	List Price	Tax
1/1	3d.	1/9	4 3/4d.	2/6	7d.	4/3	11 3/4d.	5/9	1/3 3/4	8/-	1/10	10/6	2/4 3/4	14/-	3/2 1/4
1/2	3 1/4d.	1/10	5d.	3/-	8 1/4d.	4/5	1/0 1/4	5/10	1/4	8/6	1/11 1/4	11/-	2/6	14/6	3/3 3/4
1/3	3 3/4d.	1/11	5 1/4d.	3/2	8 3/4d.	4/6	1/0 1/2	5/11	1/4 1/2	8/9	2/-	11/3	2/6 3/4	15/-	3/5
1/4	3 7/8d.	2/-	5 7/8d.	3/3	9d.	4/9	1/1	6/-	1/4 1/2	9/-	2/0 3/4	11/6	2/7 1/2	15/6	3/6 1/2
1/5	4d.	2/2	6d.	3/6	9 3/4d.	4/11	1/1 1/2	6/6	1/5 3/4	9/3	2/1 1/4	11/9	2/8 1/2	16/-	3/7 3/4
1/6	4 1/4d.	2/3	6 1/4d.	3/9	10 1/4d.	5/-	1/1 3/4	7/-	1/7 1/4	9/6	2/2	12/-	2/8 3/4	19/-	4/4
1/7	4 1/2d.	2/5	6 1/2d.	4/-	11d.	5/6	1/3	7/6	1/8 1/2	10/-	2/3 1/2	13/6	3/1	20/-	4/6 1/2
1/8	4 3/4d.														

EKCO FLUORESCENT LAMPS



FLUORESCENT LAMPS

Five Standard Types: Daylight (4500° K.), Natural, Warm White, Peach and Northlight (6500° K.)

Three Colours: Pink, Green and Blue.

Daylight (4500° K.) lamps are for use mainly in industry to supplement inadequate natural lighting and to provide artificial daylight conditions after dark.

Natural lamps are for use in commerce and industry where the discrimination and grading of colours is of importance. They give a close approximation to natural daylight.

Warm white lamps provide light of a warmer tone and are recommended for general use in commerce and industry, particularly where the colour of the daylight lamps appears to be somewhat 'cold'.

Peach lamps radiate a soft mellow light and are eminently suitable for restaurants, cinemas and theatre foyers, alcoves, entrance lobbies and other similar locations where a cordial intimate atmosphere is desirable. They are also recommended for use in the home.

Northlight (6500° K.) lamps are suitable for most colour matching processes.

Important features of Ekco fluorescent lamps—High efficiency, long life, cool operation, variety of colours, large area light source, thus avoiding hard shadows and reducing glare.

TECHNICAL DATA

Lamp Type	80w. 5 ft.	40w. 4 ft.	30w. 3 ft.	40w. 2 ft.	20w. 2 ft.	15w. 1½ ft.
Overall Length—inches	60 ± 0.25	47 ³ / ₈ max.	35 ³ / ₈ max.	23 ³ / ₈ max.	23 ³ / ₈ max.	17 ³ / ₈ max.
Diameter—inches	1.5 ± 0.06	1.5 ± 0.06	1.0 ± 0.04	1.5 ± 0.06	1.5 ± 0.06	1.0 ± 0.04
Length (end of pin to opposite cup face)—inches	—	47½ – 47 ³ / ₈	35½ – 35 ³ / ₈	23½ – 23 ³ / ₈	23½ – 23 ³ / ₈	17½ – 17 ³ / ₈
Length between cap faces—inches	—	47 ⁷ / ₈ max.	35 ⁷ / ₈ max.	23 ⁷ / ₈ max.	23 ⁷ / ₈ max.	17 ⁷ / ₈ max.
Cap	Bayonet	Med. Bi-pin	Med. Bi-pin	Med. Bi-pin	Med. Bi-pin	Med. Bi-pin
Rated Consumption Watts	80	40	30	40	20	15
Average eff. Lumens/Watt at 100 hours*	45	50	46	33	38	34
Average eff. throughout life. Lumens/Watt*	38	43	40	29	31	28
Average light output throughout life. Lumens	3040	1720	1200	1160	620	420
Rated average life (specified test conditions)—hours	3500	3500	3500	3500	3500	3500
Lamp voltage approx.	106	108	103	50	62	48
Lamp current amps. approx.	0.85	0.41	0.34	0.88	0.35	0.33
Supply voltage range	200/250†	200/250†	200/250†	100/250	100/250	100/250

* These figures are for daylight and warm white lamps. The figures for natural and northlight (6500°K) are approx. 10% lower, and for peach approx. 20% lower.

† For supplies below 200v. suitable Control Gear can be supplied to order.

PRICE LIST

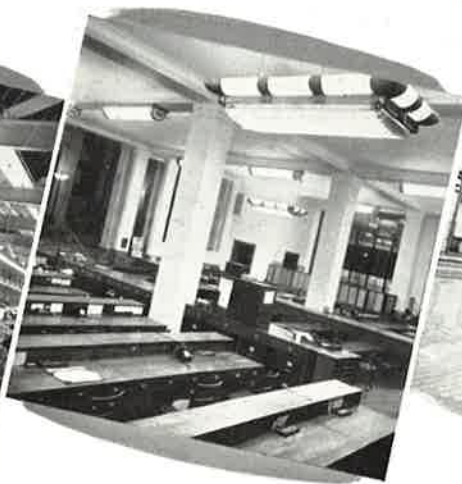
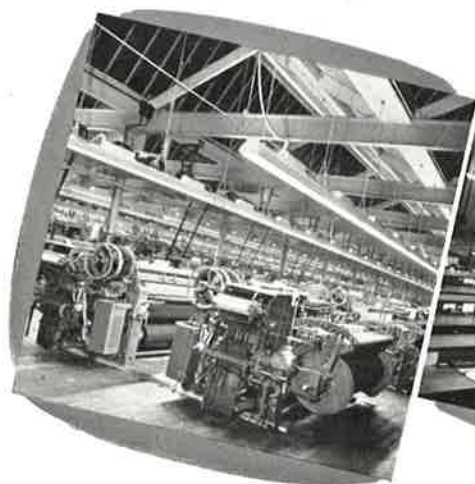
Lamp Size Standard Type	80w. 5 ft.	40w. 4 ft.	30w. 3 ft.	40w. 2 ft.	20w. 2 ft.	15w. 1½ ft.
List Price	15/6	14/-	12/-	12/-	12/-	11/6
Purchase Tax	3/6	3/2	2/9	2/9	2/9	2/8
Pink, Blue and Green. List Price	23/3	21/-	18/-	18/-	18/-	17/3
Purchase Tax	5/3	4/9	4/-	4/-	4/-	3/10½

Satisfactory operation of Ekco fluorescent lamps is assured with control gear manufactured or approved by Ekco-Ensign Electric Ltd.
Ekco fluorescent lamps are normally supplied in cartons of 6 or 12 lamps.

EKCO PLANNED LIGHTING

FOR OFFICE, FACTORY, SHOP AND STORE

Typical examples of Ekco *planned* lighting installations, embracing 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, reflected in faster and more accurate working, fewer accidents and less spoilage 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 Back Cover.



EKCO FLUORESCENT CONTROL GEAR AND ACCESSORIES

In addition to a wide range of fittings for industrial, commercial and general use, including designs for specific purposes, Ekco supply all of the control gear and ancillary equipment necessary to Fluorescent Lighting Installations. The following items are available for general use with 15w, 20w, 30w, 40w and 80w Fluorescent Lamps:

FITTINGS—decorative and industrial fittings for 5 ft., 4 ft. and 2 ft. lamps, covering every application.

CONTROL GEAR SETS incorporating ballasts (chokes) and capacitors, starter switches and sockets.

CHOKES AND CAPACITORS, (for power factor correction or series operation).

STARTER SWITCH SOCKETS, 4-contact large canister and 2-contact small canister types.

STARTER SWITCHES (fitted with radio interference suppression capacitors).

LAMP HOLDERS, Pantograph (B.C.) and Bi-pin.

SPRING EARTHING CLIPS for 1 in. and 1½ in. dia. lamps.

QUICKSTART UNITS.

CONTROL GEAR BOXES for ceiling or remote mounting.

RESISTORS FOR D.C. operation.

SUSPENSION KITS, chain or conduit.

LAMP INSTALLATION SETS comprising lampholders and control gear sets.

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 sending 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 Specifications of the British Standards Institute and 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 providing that such lamps, fittings and control gear are returned to our Lamp Works 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 hereof 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 providing that such lamps are returned to our Lamp Works 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 approved by the lamp manufacturer 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.

EKCO-ENSIGN ELECTRIC LTD.

EKCO WORKS, SOUTHEND-ON-SEA, ESSEX

Phone: SOUTHEND 49491 Telegrams: EKCO, SOUTHEND-ON-SEA

SHOWROOMS, SALES OFFICES AND DEPOTS

SOUTHERN:

	Telegrams	'Phone
Sales Office and Showrooms: 5 Vigo Street, London, W.1	Ekcorad, Piccy	Regent 7030
(Depot) 9 Whitcher Place, Rochester Road, London, N.W.1	Ensignette, Norphone	Gulliver 5535

MIDLAND:

40 & 42 Summer Row, Birmingham, 3	Enlamp, Birmingham	Central 2997
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E. MIDLAND:

57 Hounds Gate, Nottingham	Ekcolight, Nottingham	Nottn. 45862
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SOUTH WALES:

50 Bridge Street, Cardiff	Ekco, Cardiff	Cardiff 5426
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NORTHERN:

Kent Street Works, Preston, Lancs.	Ensign, Preston	Preston 4628
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SCOTTISH:

26 India Street, Glasgow, C.2	Eklamp, Glasgow	Central 2012
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EXPORT DIVISION

Dean House, Dean Street, London, W.C.1

Telegrams: Ekcolight, Wesdo, London

Cables: Ekcolight, London*

'Phone: Gerrard 2419

THE EKCO-ENSIGN LIGHTING ADVISORY SERVICE

This service is available to deal with any lighting problems requiring specialist advice. Architects, Consulting Engineers and Contractors, etc., are invited to make full use of the facilities offered, which include designs, drawings and full-scale testing. Application should be made to the nearest office.

