SIEMENS
EDISWAN

Lamp Catalogue

GENERAL SERVICE LAMPS

DISCHARGE LAMPS

AUTO & BATTERY LAMPS

JOIN THE BRIGHTER LIGHT BRIGADE

Siemens Ediswan leadership in electric lamp manufacture goes back to the earliest days of the industry and many of the improvements in present day lighting are the result of research and experiment carried out by scientists and development engineers in the modern factories where Siemens Ediswan lamps are made. Today Siemens Ediswan market electric lamps for every conceivable application.

Through our distribution system you can get the right lamp for the job wherever you are and engineers and architects can specify a particular type of lamp knowing that it is obtainable without delay for immediate installation and for subsequent renewal. Please write to us if the exact type of lamp you want is not listed in this catalogue. And if you have any lighting problems that you would like to discuss with an expert on the spot, let us know and we will send one of our qualified lighting engineers to call on you without obligation.

Lamp Catalogue

contents

GENERAL SERVICE LAMPS

AUTO & BATTERY LAMPS

DISCHARGE LAMPS

Join the Brighter Light Brigade

SIEMENS
EDISWAN

15 WATT
200 WATT
100 WATT

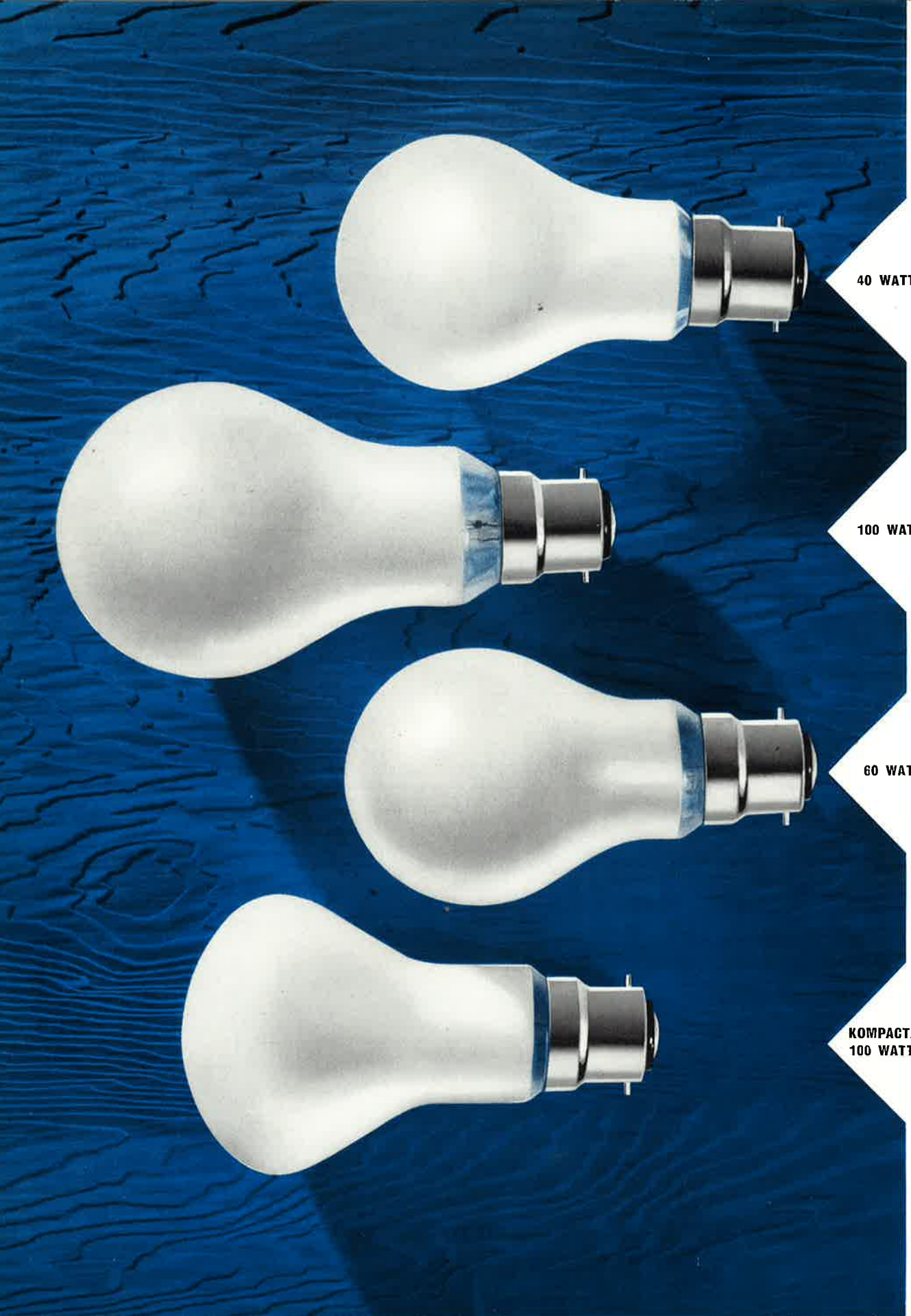
CLEAR and PEARL
Vacuum and Gasfilled Single Coil

Siemens Ediswan Gasfilled Lamps are filled with an inert gas which permits the filament to operate at a higher temperature, and consequently at a higher efficiency than is possible with a vacuum lamp. These Lamps are manufactured with a single coil filament, and their robustness, efficiency and long life, together with a wide voltage range, make them particularly suitable for all general lighting purposes.
Siemens Ediswan Pearl Lamps give a comfortable diffused light, free of glare, thus minimising the risk of eyestrain.

The amount of light lost by the internal frosting is negligible.

GASFILLED														
Watts	Approximate Dimensions				Cap	Nominal Average Lumens at		Voltage and Price						
	Length		Diameter			110 v.	240 v.	25, 50		100, 130		110, 120 200, 210 220 230 240, 250 260		
	mm.	Ins.	mm.	Ins.				Clear	Pearl	Clear	Pearl	Clear	Pearl	
								s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	
15	105	$4\frac{1}{8}$	60	$2\frac{3}{8}$	B.C./E.S.	133	112	3 0	3 0	1 $6\frac{1}{2}$*	1 $6\frac{1}{2}$*	1 $6\frac{1}{2}$*	1 $6\frac{1}{2}$*	
25	105	$4\frac{1}{8}$	60	$2\frac{3}{8}$	B.C./E.S.	228	200	3 0	3 0	1 $6\frac{1}{2}$	1 $6\frac{1}{2}$	1 4†	1 4†	
40	105	$4\frac{1}{8}$	60	$2\frac{3}{8}$	B.C./E.S.	449	325	3 0	3 0	1 $8\frac{1}{2}$	1 $8\frac{1}{2}$	1 $2\frac{1}{2}$	1 $2\frac{1}{2}$	
60	105	$4\frac{1}{8}$	60	$2\frac{3}{8}$	B.C./E.S.	759	575	3 0	3 0	1 $8\frac{1}{2}$	1 $8\frac{1}{2}$	1 $2\frac{1}{2}$	1 $2\frac{1}{2}$	
100	125	$4\frac{15}{16}$	68	$2\frac{11}{16}$	B.C./E.S.	1,400	1,160	4 0	4 0	2 2	2 2	1 5	1 5	
150	160	$6\frac{5}{16}$	80	$3\frac{5}{32}$	B.C./E.S.	2,230	1,960	—	—	2 11	2 11	1 11	1 11	
200	170	$6\frac{11}{16}$	80	$3\frac{5}{32}$	B.C./E.S.	3,090	2,720	—	—	4 3	4 3	2 $11\frac{1}{2}$	2 $11\frac{1}{2}$	
300	233	$9\frac{3}{16}$	110	$4\frac{11}{32}$	G.E.S.	4,950	4,300	—	—	8 0	9 0	6 9	7 9	
500	267	$10\frac{1}{2}$	130	$5\frac{1}{8}$	G.E.S.	8,960	7,700	—	—	10 6	11 6	8 6	9 6	
750	300	$11\frac{13}{16}$	150	$5\frac{29}{32}$	G.E.S.	14,270	12,400	—	—	14 6	—	14 6	—	
1,000	300	$11\frac{13}{16}$	150	$5\frac{29}{32}$	G.E.S.	19,640	17,300	—	—	16 0	—	16 0	—	
1,500	335	$13\frac{3}{16}$	170	$6\frac{11}{16}$	G.E.S.	30,220	27,500	—	—	22 6	—	22 6	—	

**Vacuum*
† 200/260 v.—Vacuum.


40 WATT
100 WATT
60 WATT
KOMPACTA-LITE
100 WATT

COILED COIL FILAMENT

Siemens Ediswan " Coiled-Coil " Lamps with the super-efficient filament give up to 20% *more light* than ordinary single coil Lamps. Coiled Coil lamps are especially recommended for use in the many modern fittings which are designed to operate lamps in a position other than the vertical, cap uppermost, without any sacrifice of life.
Voltage range 200/260 in 10-volt steps.

PEARL GASFILLED							
Watts	Approximate Dimensions				Cap	Nominal Average Lumens at 240 v.	Voltage and Price
	Length		Diameter				200, 210, 220, 230, 240, 250, 260
	mm.	ins.	mm.	ins.			s. d.
40	105	$4\frac{1}{8}$	60	$2\frac{3}{8}$	B.C./E.S.	390	1 $3\frac{1}{2}$
60	105	$4\frac{1}{8}$	60	$2\frac{3}{8}$		665	1 $3\frac{1}{2}$
100	125	$4\frac{15}{16}$	68	$2\frac{11}{16}$		1260	1 6

KOMPACTA-LITE

A lamp of new and pleasing design, with the Siemens Ediswan Silvalux internal coating.
Being dimensionally smaller than the standard Silvalux lamp of equivalent wattage rating, the Kompacta-lite is especially suitable for use in domestic lighting fittings of modern design. In the older type of fitting where a lamp of higher lumen output is required without a larger bulb, the Kompacta-lite provides an ideal solution.

SILVALUX							
Watts	Approximate Dimensions				Cap	Nominal Average Lumens at 240 v.	Voltage and Price
	Length		Diameter				200/210, 220/230, 240 and 250
	mm.	ins.	mm.	ins.			s. d.
100	107	$4\frac{3}{16}$	65	$2\frac{1}{2}$	B.C.	1200	1 8


100 w. SILVALUX
200 w. SILVALUX
40 w. SILVALUX
150 w. PINK PEARL

SILVALUX and PINK PEARL

Silvalux Lamps are designed to produce light without glare, and are particularly suitable for domestic lighting.

The bulbs are internally coated with Silica, which is applied by a patented process and gives an almost perfect diffusion of light. The lamp has a very pleasing appearance together with high efficiency, since the absorption of light by the Silica coating is only about 5%.

Siemens Ediswan " Pink Pearl " Lamps have a scientifically applied pink enamel finish which has the effect of giving a new colour rendition; glare is lessened, shadows softened and the subtle colour flatters both people and places.

SILVALUX

Watts	Approximate Dimensions				Cap	Nominal Average Lumens at 240 v.	Voltage and Price
	Length		Diameter				200, 210, 220, 230, 240, 250, 260
	mm.	ins.	mm.	ins.			s. d.
40	105	$4\frac{1}{8}$	60	$2\frac{3}{8}$	B.C./E.S.	370	1 $5\frac{1}{2}$
60	105	$4\frac{1}{8}$	60	$2\frac{3}{8}$		630	1 $5\frac{1}{2}$
100	125	$4\frac{15}{16}$	68	$2\frac{11}{16}$		1200	1 8
150	160	$6\frac{5}{16}$	80	$3\frac{5}{32}$		1860	2 5
200	170	$6\frac{11}{16}$	80	$3\frac{5}{32}$		2580	4 3

PINK PEARL

Watts	Approximate Dimensions				Cap	Voltage and Price
	Length		Diameter			210, 230, 240, 250
	mm.	ins.	mm.	ins.		s. d.
60	105	$4\frac{1}{8}$	60	$2\frac{3}{8}$	B.C.	1 $7\frac{1}{2}$
100	125	$4\frac{15}{16}$	68	$2\frac{11}{16}$	B.C.	2 1
150	160	$6\frac{5}{16}$	80	$3\frac{5}{32}$	B.C.	2 9


100 w.
COLOUR SPRAYED
200 w.
COLOUR SPRAYED
40 w.
ROUGH SERVICE
100 w.
ROUGH SERVICE

COLOUR SPRAYED LAMPS

Colour-Sprayed Lamps are supplied externally sprayed WHITE in all sizes up to 500 watts, and up to 100 watts externally sprayed in the following colours: Red, Blue, Green, Yellow, and Amber. 15 and 25 watt lamps are also available internally sprayed in the same colours. These lamps are ideal for festive illuminations at the seaside, in parks, etc., and for interior and exterior decoration of public buildings, cinemas, theatres, etc. A special application of Siemens Ediswan Colour-Sprayed Lamps is display lighting and advertising signs.

GASFILLED AND VACUUM						
Watts	Approximate Dimensions				Cap	Voltage and Price
	Length		Diameter			110, 120, 200, 210, 220, 230, 240, 250
	mm.	ins.	mm.	ins.		s. d.
15	105	$4\frac{1}{8}$	60	$2\frac{3}{8}$	B.C./E.S.	1 11
25	105	$4\frac{1}{8}$	60	$2\frac{3}{8}$	B.C./E.S.	1 11
40	105	$4\frac{1}{8}$	60	$2\frac{3}{8}$	B.C./E.S.	1 9
60	105	$4\frac{1}{8}$	60	$2\frac{3}{8}$	B.C./E.S.	1 9
100	125	$4\frac{15}{16}$	68	$2\frac{11}{16}$	B.C./E.S.	2 3
150	160	$6\frac{5}{16}$	80	$3\frac{5}{32}$	B.C./E.S.	3 4
200	170	$6\frac{11}{16}$	80	$3\frac{5}{32}$	B.C./E.S.	5 3

ROUGH SERVICE Clear and Pearl

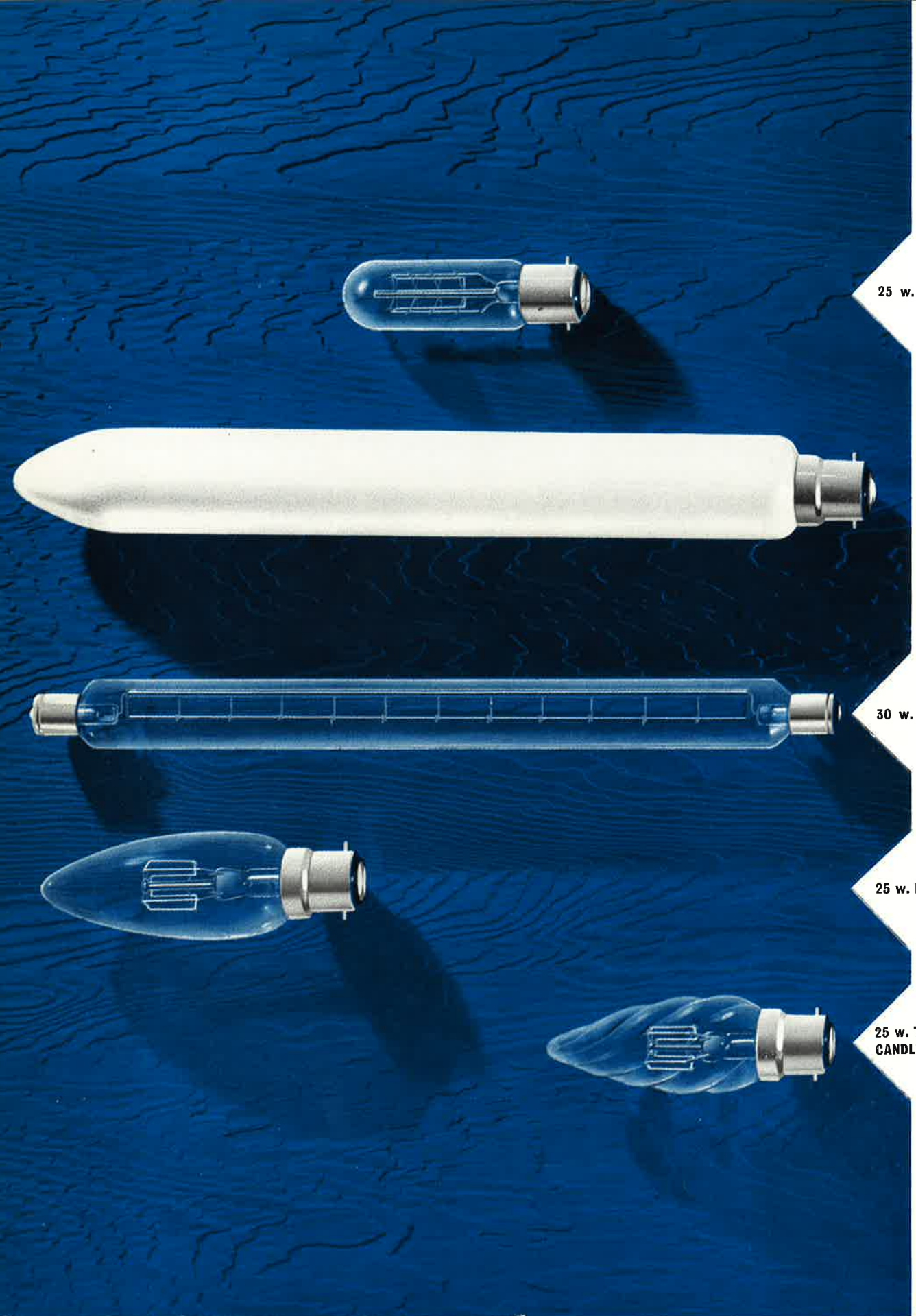
Rough Service Lamps have been specially developed to withstand vibration or shock. Their extremely robust construction makes them particularly suitable for operation under exceptionally hard conditions. The 40 w. and 60 w. lamps are vacuum, whilst the 100 w. rating is gasfilled, and all are manufactured to the usual high standard of Siemens Ediswan Lamps.

Watts	Approximate Dimensions				Cap	Voltage and Price
	Length		Diameter			110, 120, 200/210, 220/230, 240 and 250
	mm.	ins.	mm.	ins.		s. d.
40	105	$4\frac{1}{8}$	60	$2\frac{3}{8}$	B.C./E.S.	2 0
60	105	$4\frac{1}{8}$	60	$2\frac{3}{8}$	B.C./E.S.	2 0
100	125	$4\frac{15}{16}$	68	$2\frac{11}{16}$	B.C./E.S.	2 9*

**Available in Pearl only.*

TRAFFIC SIGNAL

Watts	Approximate Dimensions				L.C.L.	Cap	Voltage and Price
	Length		Diameter				110, 210, 220, 230, 240, 250
	mm.	ins.	mm.	ins.			s. d.
60	108	$4\frac{3}{16}$	65	$2\frac{1}{2}$	62	E.S. (E.27/27)	2 0


25 w. 3½″ × 1″
60 w.
12″ OPAL
30 w. 284 mm.
25 w. PLAIN CANDLE
25 w. TWISTED
CANDLE

TUBULAR and CANDLE

Siemens Ediswan Tubular and Candle Lamps are specially designed for all forms of decorative lighting. Whilst suitable for special-purpose lighting in the home, these lamps have a particular application to shop and showcase lighting requirements. Double Capped Tubular Lamps are available with Clear or Opal glass, and the Candle Lamps are manufactured in Plain or Twisted Flame Type. A wide voltage range is available to meet all requirements.

TUBULAR, SINGLE CAP, CLEAR

Type	Watts	Approx. Dimensions				Cap	Voltage and Price					
		Length		Diameter			50		110, 120		200, 210, 220 230, 240, 250	
		mm.	ins.	mm.	ins.		s.	d.	s.	d.	s.	d.
Standard Tubular	15	51	2	25	1	S.B.C. or B.C.	4	9	3	9	3	9
	25	86	$3\frac{5}{8}$	25	1	S.B.C. or B.C.	4	9	3	9	3	9
Morse Tubular	10	63	$2\frac{7}{16}$	25	1	S.B.C. or B.C.	4	9	3	9	—	

TUBULAR, SINGLE CAP, OPAL

Watts	Approximate Dimensions				Cap	Voltage and Price	
	Length		Diameter			110, 120, 200/210, 220/230, 240 and 250	
	mm.	ins.	mm.	ins.		s.	d.
40 | 60	302	$11\frac{7}{8}$	38	$1\frac{1}{2}$	B.C.	8	6

TUBULAR, DOUBLE CAP, CLEAR*

Watts	Approximate Dimensions				Cap	Voltage and Price	
	Length		Diameter			110, 120, 200/210, 220/230, 240 and 250	
	mm.	ins.	mm.	ins.		s.	d.
30	221	$8\frac{11}{16}$	25	1	Centre Contact	5	9
30	284	$11\frac{3}{16}$	25	1	Centre Contact	5	9
60	284	$11\frac{3}{16}$	25	1	Centre Contact	6	0

**These lamps can be supplied Opalised or Sprayed White at 6d. each extra.*

CANDLE, CLEAR

Type	Watts	Approximate Dimensions				Cap	Voltage and Price	
		Length		Diameter			110, 120, 200/210, 220/230, 240 and 250	
		mm.	ins.	mm.	ins.		s.	d.
Plain	25	91	$3\frac{9}{16}$	35	$1\frac{3}{8}$	B.C. or S.B.C.	2	6
,,	40	91	$3\frac{9}{16}$	35	$1\frac{3}{8}$	B.C. or S.B.C.	3	0
,,	60	126	$4\frac{15}{16}$	45	$1\frac{3}{4}$	B.C. or S.B.C.	3	0
Twisted	25	98	$3\frac{7}{8}$	35	$1\frac{3}{8}$	B.C. or S.B.C.	3	0
,,	40	122	$4\frac{13}{16}$	46	$1\frac{3}{4}$	B.C. or S.B.C.	3	6
,,	60	122	$4\frac{13}{16}$	46	$1\frac{3}{4}$	B.C. or S.B.C.	3	6

15 w. PIGMY
SIGN LAMP

40 w. PLAIN
WHITE CANDLE

40 w. 45 mm.
ROUND BULB LAMP

PIGMY SIGN LAMPS

Siemens Ediswan Pigmy Lamps are available in a wide range of colours, and provide an attractive and dependable source of illumination for all forms of Decorative, Display and Shop Lighting.

Watts	Approximate Dimensions				Cap	Voltage and Price			
	Length		Diameter			25 and 50		110, 120, 130, 200/210, 220/230, 240, 250, 260	
	mm.	ins.	mm.	ins.		Clear	Coloured	Clear	Coloured
						s. d.	s. d.	s. d.	s. d.
15	57	$2\frac{1}{4}$	28	$1\frac{1}{8}$	B.C.	3 0	3 $4\frac{1}{2}$	1 10	2 $2\frac{1}{2}$
	62	$2\frac{7}{16}$	28	$1\frac{1}{8}$	S.B.C.				

Standard Colours: Red, Green, Yellow, Blue, White.

LAMPS for CONTEMPORARY FITTINGS

The following Lamps are ideally suitable for use in Decorative Lighting Fittings of Contemporary Design.

PLAIN CANDLE INSIDE WHITE

Watts	Approximate Dimensions				Cap	Voltage and Price
	Length		Diameter			110, 120, 200/210, 220/230, 240, 250
	mm.	ins.	mm.	ins.		s. d.
40	91	$3\frac{9}{16}$	35	$1\frac{13}{32}$	B.C.	3 6
	95	$3\frac{3}{4}$	35	$1\frac{13}{32}$	S.B.C.	

45 mm. ROUND BULB

Watts	Approximate Dimensions				Cap	Voltage and Price	
	Length		Diameter			200/210, 220/230, 240, 250	
	mm.	ins.	mm.	ins.		Pearl	Inside White
						s. d.	s. d.
40	72	$2\frac{13}{16}$	45	$1\frac{3}{4}$	B.C.	2 3	2 9
	75	$2\frac{15}{16}$	45	$1\frac{3}{4}$	S.B.C.		


60 w. ½ CIRCLE
75 w. 24″
LUMENETTE FITTING
F7608
35 w. 12″
WHITE
LAMPHOLDERS
60 w. ¼ CIRCLE

ARCHITECTURAL LAMPS

Architectural Lamps are manufactured in Opal Glass Tube, and have spiralised tungsten filaments.
The caps are mounted at the side instead of the ends to enable Lamps to be mounted end to end.
When used singly the Lamp appears as a bar of light, but when mounted end to end a continuous line of light is produced which can be built up into an infinite number of attractive patterns to fit into all manner of lighting schemes.
Combinations of straight and curved Lamps are ideal for outlining corridors, doorways, fascias, etc., whilst complete circles and fancy curves are all easily assembled.

STRAIGHT LENGTHS

Watts	Approximate Dimensions				Distance between Cap Centres	Voltage and Price	
	Length		Diameter			110, 120 v.	200/210, 220/230, 240, 250
	mm.	ins.	mm.	ins.	mm.	s. d.	s. d.
35	305	12	30	1 3/16	229	12 4	12 4
53	457	18	30	1 3/16	381·5	17 6	17 6
60	500	20	30	1 3/16	424	19 0	19 0
75	610	24	30	1 3/16	534	22 6	22 6
110	915	36	30	1 3/16	839	—	30 0
150	1220	48	30	1 3/16	1144	—	35 0

CURVES

Watts	Approximate Dimensions			Distance between Cap Centres	Voltage and Price
	Length		Radius		200/210, 220/230, 240 & 250
	m/m.	Ins.		mm.	s. d.
60	500	20	1/8 Circle (25 in.)	416	30 0
	500	20	1/4 Circle (12½ in.)	393	
	500	20	1/2 Circle (6¼ in.)	309	

For spraying above lamps standard colours add 3/- per foot List extra.

Lampholders for Architectural Lamps.

Fitted with a special locking device. Available in Black or White moulded composition 6/8d. per pr.

The "Lumenette" fitting Cat. No. F7608, as illustrated, is designed to provide small scale strip lighting in the home in conjunction with the 35 watt. 12 inch Architectural Lamp.

The fitting is available in Cream or Green plastic, packaged complete with lamp at a List Price of 23/3d., including Purchase Tax.

I11 NEON LIGHTING

NEON
CRUCIFORM

10w. VACUUM PILOT

NEON LAMPS

Neon discharge lamps are manufactured in two types—
lighting and indicator. Neon Lighting Lamps provide an economical source of illumination where dim lighting is continuously required, such as night-lights in nurseries, sick-rooms, etc.
Neon Indicator Lamps are specially small diameter lamps for use as indicators on switch-boards, electric cookers, etc., to provide a visual indication that a circuit is " LIVE ".

Type	Watts	Approximate Dimensions				Cap	Voltage	Price	
		Length		Diameter					
		mm.	ins.	mm.	ins.			s.	d.
Cruciform	—	106	$4\frac{1}{4}$	30	$1\frac{3}{16}$	B.C.	200/260	7	6
Lighting II1	5	114	$4\frac{1}{2}$	60	$2\frac{3}{8}$	B.C.	200/220 230/240 250/260	6	0
Indicator II3	0·5	54	$2\frac{1}{8}$	18	$\frac{23}{32}$	S.B.C.	200/260	4	0
II4	0·5	56	$2\frac{7}{32}$	28	$1\frac{1}{8}$	B.C.	200/260	4	0

INDICATOR LAMPS

Siemens Ediswan Pilot and Switchboard Indicator Lamps are used on control panels and various other installations where the visible light output has to be greater than that of a neon indicator. The Switchboard Indicator Lamp is also suitable for use in conditions where the lamp is subject to vibration.

SWITCHBOARD INDICATORS

Watts	Approximate Dimensions				Cap	Voltage and Price
	Length		Diameter			100/130 and 200/260
	mm.	ins.	mm.	ins.		s. d.
—	56	$2\frac{3}{16}$	28	$1\frac{1}{8}$	B.C.	2 6

VACUUM PILOT

Watts	Approximate Dimensions				Cap	Voltage and Price
	Length		Diameter			100/130 and 200/250
	mm.	mm.	mm.	ins.		s. d.
10	46	$1\frac{13}{16}$	20 max.	$\frac{13}{16}$ max.	Candelabra (E.12)	4 0
10	41	$1\frac{5}{8}$	20 max.	$\frac{13}{16}$ max.	S.B.C.	4 0


250 w. INFRA RED
REFLECTOR
60 w. RADIANT HEAT

INFRA-RED
Industrial and Agricultural Lamps

Siemens Ediswan Infra-Red Lamps are designed for both industrial and agricultural purposes and are manufactured in two types—Reflector Type in parabolic shape bulb, which is half internally silvered, obviating the necessity of reflectors—and an alternative type which requires a separate external reflector. These lamps have numerous industrial uses, in particular, in agriculture, where they are in wide use for piglet and chick rearing.
Siemens Ediswan Quartz Tubular Infra-Red Lamps are suitable for applications where a source of concentrated radiant heat is required.

INFRA RED, CLEAR AND PEARL

Watts	Approximate Dimensions				Cap	Voltage and Price	
	Length		Diameter			100/130*	100/130*, 200/250
250	mm. 178	ins. 7	mm. 90	ins. $3\frac{17}{32}$	E.S. (E.27/27)	Clear s. 7 d. 9	Pearl s. 8 d. 3

INFRA RED, REFLECTOR TYPE

Watts	Approximate Dimensions				Cap	Voltage and Price
	Length		Diameter			100/130*, 200/250
150	mm. 178	ins. 7	mm. 125	ins. 5	E.S. (E.27/58 × 38)	s. 12 d. 6
250	178	7	125	5		17 9

**Designed for burning two in series on standard voltage.*

INFRA RED TUBULAR with QUARTZ BULB

Watts	Approximate Dimensions				Cap	Voltage and Price
	Length		Diameter			220/250*
1,000	mm. 330	ins. 14	mm. 10	ins. $\frac{3}{8}$	Special	s. 84 d. 0

**State exact voltage when ordering.*

RADIANT HEAT LAMPS

The Siemens Ediswan Radiant Heat Lamp has a tungsten filament, and is specially designed for heat-therapy treatment in hospitals, clinics and sanatoria.

Watts	Approximate Dimensions				Cap	Voltage and Price
	Length		Diameter			200/260
60	mm. 117·5	ins. $4\frac{5}{8}$	mm. 65	ins. $2\frac{1}{2}$	B.C./E.S.	s. 2 d. 3

REFLECTOR FLOODLIGHTS

The Reflector Floodlight provides a beam having greater dispersion than the spotlight lamp so that the light can be projected on to larger areas, such as hoardings, exhibition displays, blackboards, etc.

Watts	Approximate Dimensions				Cap	Voltage and Price	
	Length		Diameter			110	200, 210, 220, 230, 240, 250
	mm.	ins.	mm.	ins.		s. d.	s. d.
100	130	$5\frac{3}{32}$	95	$3\frac{3}{4}$	B.C.-E.S.	—	8 0
150	178	7	125	$4\frac{31}{32}$	E.S.	12 0	12 0

The following tables are given as a guide to the performance of Siemens Ediswan Reflector Floodlights.
As a typical example, if a 150 watt lamp is mounted at a distance of 10 ft. from the area to be illuminated, the maximum intensity at the centre of the circle will be of the order of 12 lumens/sq. ft. whilst the intensity at the circumference of a circle of a diameter of $20\frac{1}{2}$ ft. will be not less than $2\frac{1}{4}$ lumens/sq. ft.

Lamp Rating Watts	Distance from lamp to illuminated area (ft.)	Maximum illumination Lumens/sq. ft.	Diameter in ft. of lighted circle where illumination is not less than one-fifth of maximum
100	3	56	$7\frac{1}{4}$
100	6	15	$14\frac{1}{4}$
100	10	4	$23\frac{3}{4}$
150	3	133	$6\frac{1}{4}$
150	6	33	$12\frac{1}{2}$
150	10	12	$20\frac{1}{2}$

PURCHASE TAX

GROUP I. General Service Lamps not exceeding 250 Watts.

GROUP IX. Fluorescent Tubular Discharge Lamps up to and including 80 Watts.
(Lamps above 80 Watts are Purchase Tax Free)

Where List Price is Over	And Not Over	Purchase Tax Addition to List Price is	Where List Price is Over	And Not Over	Purchase Tax Addition to List Price is	Where List Price is Over	And Not Over	Purchase Tax Addition to List Price is	Where List Price is Over	And Not Over	Purchase Tax Addition to List Price is
s. d.	s. d.	d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
	8½	2	4 11	5 2	10½	12 3	12 9	2 2	20 6	21 0	3 7
1 0	1 3½	2½	5 2	5 5	11	12 9	13 3	2 3	21 0	21 6	3 8
1 3½	1 6	3	5 5	5 8	11½	13 3	13 9	2 4	21 6	22 0	3 9
1 6	1 8½	3½	5 8	5 11	1 0	13 9	14 3	2 5	22 0	22 6	3 10
1 8½	2 0	4	5 11	6 6	1 1	14 3	14 9	2 6	22 6	23 0	3 11
2 0	2 2	4½	6 6	6 11	1 2	14 9	15 2	2 7	23 0	23 6	4 0
2 2	2 6	5	6 11	7 5	1 3	15 2	15 8	2 8	23 6	24 0	4 1
2 6	2 8½	5½	7 5	7 11	1 4	15 8	16 2	2 9	24 0	24 6	4 2
2 8½	2 11	6	7 11	8 4	1 5	16 2	16 8	2 10	24 6	25 0	4 3
2 11	3 2	6½	8 4	8 10	1 6	16 8	17 2	2 11	25 0	26 0	4 5
3 2	3 5	7	8 10	9 4	1 7	17 2	17 8	3 0	26 0	27 0	4 7
3 5	3 8	7½	9 4	9 10	1 8	17 8	18 1	3 1	27 0	28 0	4 9
3 8	3 11	8	9 10	10 4	1 9	18 1	18 7	3 2	28 0	29 0	4 11
3 11	4 2	8½	10 4	10 10	1 10	18 7	19 1	3 3	29 0	30 0	5 1
4 2	4 5	9	10 10	11 4	1 11	19 1	19 7	3 4	30 0	31 0	5 3
4 5	4 8	9½	11 4	11 9	2 0	19 7	20 0	3 5	31 0	32 6	5 6
4 8	4 11	10	11 9	12 3	2 1	20 0	20 6	3 6	32 6	34 0	5 9
									34 0	35 6	6 0

STANDARD PACKING QUANTITIES

Type of Lamp	WATTAGES AND PACKING QUANTITIES													
	15 watt	25 watt	40 watt	60 watt	75 watt	100 watt	150 watt	200 watt	250 watt	300 watt	500 watt	750 watt	1000 watt	1500 watt
G.L.S. 200/250 volts.	25	25	25	25	25	25	25	25	—	12	9	6	6	4
G.L.S. all other Voltages	50	50	50	50	50	50	50	50	—	12	9	6	6	4
Rough Service Clear or Pearl	—	—	50	50	—	50	—	—	—	—	—	—	—	—
Reflector Spot, Flood & I.R.	—	—	—	—	24	24	6	—	6	—	—	—	—	—
Candle	—	24	24	24	—	—	—	—	—	—	—	—	—	—
Pigmy Sign	50	—	—	—	—	—	—	—	—	—	—	—	—	—

Neon and Switchboard Indicator Lamps are packed in quantities of 50.

Double Cap Tubular Lamps 30 and 60 Watt are packed in quantities of 25.

All fluorescent tubes are packed in quantities of 25 with the exception of the 125W 8 ft. tubes which are packed in quantities of 12.

EXTRAS

For details of extra charges applicable for Non-Standard caps or special finishes, where available, on lamps listed throughout this Catalogue please apply to your nearest Siemens Edison Swan office.

DISCHARGE LAMPS

Siemens Ediswan research into gas and vapour discharge lamps has been responsible for much of the rapid development in this form of lighting. These lamps vary widely in design and manufacture, depending on their type, size, luminous output and application. For some types of lamp we employ advanced automatic quantity production techniques, and for others we rely on the manual skill of highly trained craftsmen. The result is maximum reliability at the lowest possible cost, whatever the type.

With the exception of Sieray Dual types, listed on page 35, all Siemens Ediswan Mercury or Sodium Discharge lamps must be operated in conjunction with a series choke or leak transformer in order to regulate the current.
The introduction of this component lowers the power factor of the circuit and this can be corrected to a level satisfactory to the supply authorities by the use of Siemens Ediswan Power Factor Correction Condensers.
Full details of recommended Control Gear are given on pages 44/6.

SIEMENS EDISWAN

INDEX

1000 w. MA/H

250 w. MA/V

400 w. MAF/V

SIERAY TYPE MA/V and MA/H LAMPS

These lamps are of the well-known medium pressure mercury discharge type and are available in 250 W, 400 W and 1000 W sizes.

Type MA/V lamps are designed for burning in a vertical cap-up position. If it is desired to operate these in the horizontal position, in conjunction with a magnetic arc deflector, then the use of lamps having a special hard glass envelope is recommended. Type MA/H lamps are designed for burning horizontally without magnetic deflectors, but may be operated in any position, without deflectors, without material effect on performance.

MA/V

Watts	Dimensions			Cap	Lumen Output		Voltage and Price
	Overall Length	Diameter	L.C.L.		Initial	Average through Life	200/220, 230/240, and 250
	m.m.	m.m.	mm.				s. d.
250	290±8	48±3	170±8	G.E.S.	9,250	8,750	54 0
400	330±8	48±3	190±8	G.E.S.	16,800	15,600	59 0

MA/H

Watts	Dimensions			Cap	Lumen Output		Voltage and Price
	Overall Length	Diameter	L.C.L.		Initial	Average through Life	200/220, 230/240, and 250
	mm.	mm.	mm.				s. d.
250	290±8	48±3	170±8	G.E.S.	8,250	7,500	64 6
400	330±8	48±3	190±8	G.E.S.	15,200	13,200	71 0
1000	476±2	40 Max.	—	Special	47,000	43,000	110 0

FLUORESCENT TYPE MAF/V LAMPS WITH ISO-THERMAL BULBS

These lamps are of similar construction to the type MA/V but the outer bulb is coated on the inside with a special fluorescent powder which is excited by the Ultra-Violet radiation from the discharge and emits radiation chiefly at the red end of the spectrum, thus improving the colour of the light output.

MAF/V

Watts	Dimensions			Cap	Lumen Output		Voltage and Price
	Overall Length	Diameter	L.C.L.		Initial	Average through Life	200/220, 230/240, and 250
							s. d.
400	335±7·5	165±1·5	195	G.E.S.	15,200	12,800	81 6

DISCHARGE LAMPS ARE NOT SUBJECT TO PURCHASE TAX

200 w. MBT/U

300 w. MAT/V

200 w. MBTR/U

SIERAY-DUAL ELECTRIC DISCHARGE LAMPS

The Sieray-Dual Lamp consists of a Mercury vapour discharge lamp connected in series with a tungsten filament, which not only serves to control the arc current of the discharge portion, but also acts as a secondary light source.

No choke or capacitor is necessary for the operation of the lamp and no alteration to existing wiring is required, the Sieray-Dual lamp being inserted into the ordinary lampholder and operated directly from the supply mains.

300 W and 500 W Sieray-Dual lamps are supplied in clear bulbs. The 200 W MBT/U lamps are available in Pearl or Silvalux finish, or in a Reflector Type Bulb.

MAT/V CLEAR BULB

Watts	Dimensions			Cap	Lumen Output		Voltage and Price
	Overall Length	Diameter	L.C.L. Nominal		Initial	Average through Life	200, 210, 220, 230, 240, 250
	mm.	mm.	mm.				s. d.
300	285±15	85±1	D 150 F 245	G.E.S.	6,300	5,400	60 0
*500	355±20	100±1	D 182 F 305	G.E.S.	12,500	10,500	70 0

**Also available for D.C. operation in 230, 240 and 250 volts only.*

D=Discharge Portion. *F=Filament Portion.*

MBT/U PEARL BULB

Watts	Dimensions			Cap	Lumen Output		Voltage and Price
	Overall Length	Diameter	L.C.L. Nominal		Initial	Average through Life	200, 210, 220, 230, 240, 250
	mm.	mm.	mm.				s. d.
200	178±5·5	90±1	D 125 F 133	E.S./B.C.	3,400	2,800	50 0

MBT/U SILVALUX BULB

200	178±5·5	90±1	D 125 F 133	E.S./B.C.	3,230	2,660	50 9

MBTR/U REFLECTOR BULB

Watts	Dimensions			Cap	Voltage and Price
	Overall Length	Diameter	L.C.L. Nominal		200, 210, 220, 230, 240, 250
					s. d.
200	176±6·5	125±1·5	D 124 F 121	E.S.	74 0

DISCHARGE LAMPS ARE NOT SUBJECT TO PURCHASE TAX

80 w. MB/U

125 w. MB/U

400 w. MBF/U

SIERAY TYPE MB/U PEARL LAMPS

These lamps are of the high pressure mercury discharge type consisting of an inner discharge tube of a special grade of quartz mounted in an outer glass bulb which is of normal pearl finish.

Watts	Dimensions			Cap	Lumen Output		Voltage and Price
	Overall Length	Diameter	L.C.L. Nominal		Initial	Average through Life	200/220, 230/240 and 250
	mm.	mm.	mm.				s. d.
80	160±4·5	80±1	113	3 Pin B.C.	2,960	2,480	39 6
125	178±5·5	90±1	128		5,250	3,875	45 0

TYPE MBF/U FLUORESCENT

In these lamps the internal surface of the outer bulb is coated with a fluorescent powder which converts part of the radiation in the ultra-violet region, a characteristic of mercury discharge lamps, into visible radiation, thereby improving the colour of the emitted light. As a result of continuous research and development we are now able to offer Sieray MBF/U fluorescent lamps, in the 80 w. and 125 w. ratings, having the same size bulbs as the normal MB/U lamps. In these lamps the use of a new fluorescent powder for coating the bulb results in the emission of more radiation at the red end of the spectrum and the lamps give considerably improved colour rendering.

MBF/U FLUORESCENT

Watts	Dimensions			Cap	Lumen Output		Voltage and Price
	Overall Length	Diameter	L.C.L. Nominal		Initial	Average through Life	200/220, 230/240 and 250
	mm.	mm.	mm.				s. d.
80	160±4·5	80±1	113	3 Pin B.C.	2,960	2,480	48 6
125	178±5·5	90 $^{+1}_{-3}$	128	3 Pin B.C. or G.E.S.	5,250	3,875	59 0
250	220±7	90±1	150	G.E.S.	10,750	9,250	99 0
400	280±6	120±2	187	G.E.S.	18,800	16,800	130 0

MBF/V FLUORESCENT (Vertical operation only)

Watts	Dimensions			Cap	Lumen Output		Voltage and Price
	Overall Length	Diameter	L.C.L. Nominal		Initial	Average through Life	350/370, 370/410, and 410/450
	mm.	mm.	mm.				s. d.
1000	335±7·5	165±1·5	200	G.E.S.	56,000	50,000	240 0

DISCHARGE LAMPS ARE NOT SUBJECT TO PURCHASE TAX

125 w. MBW/U

140 w. SODIUM
COMPLETE

45 w. SODIUM
COMPLETE

TYPE MBW/U ULTRA-VIOLET

The outer bulb is of specially prepared glass which is opaque to visible light but allows free passage to Ultra-Violet rays over the range of approximately 3000 to 4000 Angstrom Units for the excitation of fluorescent substances.

Watts	Dimensions			Cap	Voltage and Price
	Overall Length	Diameter	L.C.L. Nominal		200/220, 230/240 and 250
	mm.	mm.	mm.		s. d.
125	178±5·5	90^{+1}_{-3}	128	3 Pin B.C.	63 0

SIERAY SODIUM LAMPS TYPE SO/H

These lamps consist of a U tube of special glass containing metallic sodium which is vapourised by the arc initially established in a rare gas at low pressure when the lamp is switched on and to enable the necessary operating temperature to be maintained, the lamp is enclosed in an improved detachable vacuum jacket with protected end cover.

Watts	Dimensions			Cap	Lumen Output		Voltage and Price	
	Overall Length	Diameter	L.C.L. Nominal		Initial	Average through Life	200/250	
	mm.	mm.	mm.				Lamp s. d.	Jacket s. d.
45	238±10	50±2	140	B.C. CERAMIC	2,610	2,250	40 0	21 9
60	300±10	50±2	170		4,020	3,420	45 0	24 6
85	415±10	50±2	230		6,205	5,525	60 0	29 3
140	518±10	65±2	280		10,220	9,100	65 0	33 0

45 and 60 watt SO/H lamps may be burned at any angle between 5° above the horizontal, cap down, to vertical, cap up. The 85 and 140 watt SO/H lamps may only be burned between 5° above horizontal, cap down, to 20° below horizontal, cap up.

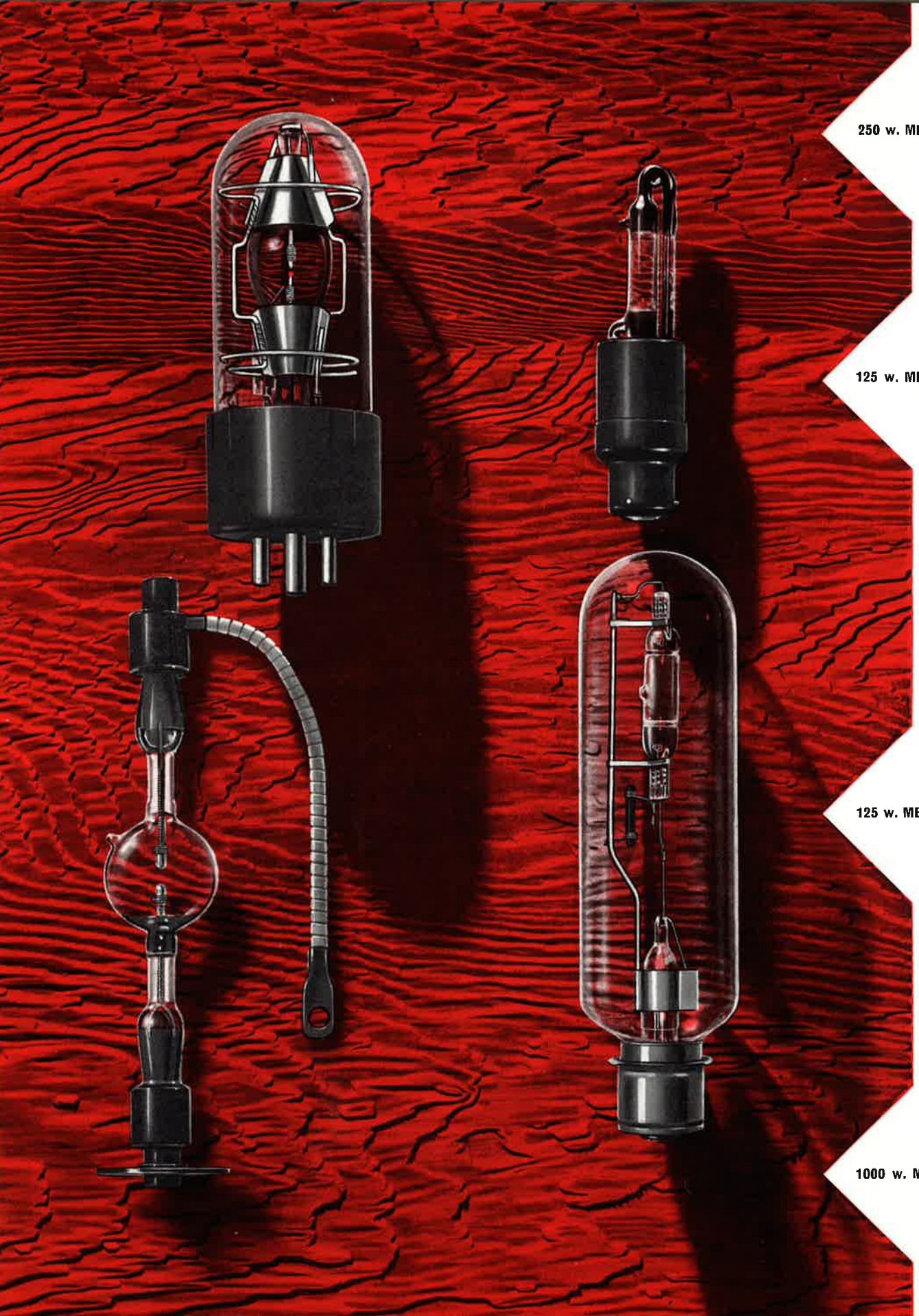
THE NEW SIERAY LINEAR SODIUM LAMP

Approximately 3 ft. in length and fitted with the standard Bi-pin cap at each end, it is not unlike the fluorescent tubular lamp in outward appearance and, in fact, the control circuits of both are similar. The secret of this amazing lamp lies in the unique design of the special inner arc tube which, replacing the conventional " U " shaped tube, makes possible a significant increase in light output.

Watts (Nominal)	Dimensions			Cap	Lumen Output		Voltage and Price
	Overall Length (Nominal)	Diameter	Arc Length (Nominal)		Initial	Average through Life	200/250
	mm.	mm.	mm.				s. d.
200	915	38±1·5	720	Bipin	20,000	18,400	110 0

BURNING POSITION—HORIZONTAL, or up to 20° from horizontal.

SPECIAL NOTE : When fitting the lamp, it is important to ensure that grooves of the inner arc tube lie in the horizontal, and not the vertical plane. The lamp is manufactured with the bi-pin caps so orientated that the correct positioning is obtained when used with standard tombstone bi-pin holders.



250 w. ME/D

125 w. MBL/D

125 w. MB/D

1000 w. ME/D

SPECIAL TYPES of MERCURY DISCHARGE LAMPS

The following are some of the types used for Projection work and for use in scientific instruments.

TYPE MB/D: These are fitted with a special inner burner having diaphragms, the purpose of which is to maintain a stabilized arc within the centre portion of the burner.

„ MBL/D: Similar to type MB/D above, but without outer glass envelope. The electrode leads are encased in quartz to prevent oxidization. Specially manufactured for scientific applications.

„ ME/D: These are of the " Compact Source " type operating at a high pressure, being particularly useful in scientific apparatus where a light source of high brilliance is required.

MB/D

Watts	Dimensions				Cap	Approximate Intrinsic Brightness (Stilb.)	Voltage and Price
	Overall Length	Diameter	L.C.L.	Arc Length			200/220, 230/240, and 250
	mm.	mm.	mm.	mm.			s. d.
125	185±5	48±3	115±2	32±2	Prefocus P28/25	800	79 0

MBL/D

Watts	Dimensions				Cap	Approximate Intrinsic Brightness (Stilb.)	Voltage and Price
	Overall Length	Diameter	L.C.L.	Arc Length Nominal			200/260
	mm.	mm.	mm.	mm.			s. d.
125	115±5	30 max.	80±1	34	3 Pin B.C.	800	120 0

ME/D

Watts	Dimensions				Cap	Approximate Intrinsic Brightness (Stilb.)	Voltage and Price
	Overall Length	Diameter	L.C.L.	Arc Length (Objective)			200/250
	mm.	mm.	mm.	mm.			£ s. d.
125	156±3	50±2	65±1	1	Prefocus P40/41	50,000	17 10 0
250	156±3	50±2	65±1	3·75	„	20,000	15 10 0
250	141±3	50±2	85±1	3·75	Special 3 Pin	20,000	15 10 0
250*	130±3	64×55	80±1	3·75	„	20,000	21 10 0
1000	245±2·5	55 max.	120±1	5·5	Special 3 slot Prefocus	35,000	36 0 0

**Metal Box Type.*

DISCHARGE LAMPS ARE NOT SUBJECT TO PURCHASE TAX


SF/20
SF/18
SF/14
SF/15

SIEFLASH TUBES

' Sieflash ' Tubes are designed to produce flashes of light of very high intensity and with a duration so short as to ' arrest ' high-speed motion: they have innumerable industrial, commercial and research applications. They are highly efficient and maintain their effectiveness for thousands of flashes. The spectral quality of the light emission closely approximates to that of natural daylight, and these tubes are, therefore, excellent for colour photography.

Type	Operating Voltage		Maximum Loading Joules	Minimum Trigger Voltage kV	Cap	Dimensions		List Price
	Min.	Max.				Length	Diameter	
						mm.	mm.	£ s. d.
SF1	—	4000 Nominal	16000	5	Special	275±10	76	**72 10 0**
SF2	2000	2500	1000	6	Special 3-pin	150±7	65±2	**8 10 0**
SF3	2000	2500	300	4	5-amp. 3-pin BSS. 546 1934	90±5	45	**6 0 0**
SF4	2000	2500	400	5	Metal Caps	365±5	9	**8 0 0**
SF5	2000	2500	200	5	Metal Caps	265±5	9	**7 10 0**
SF6	2000	2500	100	5	Metal Caps	165±5	9	**7 0 0**
SF7	—	7500 Nominal	56	5	ES x 2 Metal Caps	122±5	26±1	**9 0 0**
SF8	2000	2500	200	3	4-pin UX Type	85·5±1	30±1	**5 0 0**
SF9	2000	2500	300	4	5-amp. 3-pin BSS. 546 1934	124±3	125±1·5	**7 0 0**
SF10	—	1000 Nominal	100	3	4-pin UX Type	70±3	30±1	**4 5 0**
SF11	350	500	100	3	5-amp. 3-pin Inverted Pins	124±3	125±1·5	**7 0 0**
SF12	350	500	100	3	4-pin UX Type	70±3	30±1	**4 5 0**
SF14	150	350	50	3	E10/13 (MES)	80±2	10±2	**2 10 0**
SF15	150	500	100	3	E14/23 x 15 (SES)	55±3	27±2	**4 0 0**
SF18	250	500	100	3	Unmounted	55±3	25 approx.	**2 10 0**
SF19	150	350	50	3	Int. Octal	95±2	25±1	**3 0 0**
SF20	350	500	200	3	4-pin UX Type	75 max.	30±1	**6 0 0**
SF21	2000	2500	30 watts	4	5-amp. 3-pin BSS. 546 1934	120±5	45	**6 0 0**
SF22	2000	2500	30 watts	4	5-amp. 3-pin BSS. 546 1934	124±3	125±1·5	**7 0 0**
SF23	150	500	100	3	4-pin UX Type	75 max.	30±1	**6 10 0**

NOTE: *Pins, where fitted are not included in the above dimensions.*

The above are some of the more popular types of electronic flash tubes from our large range. Details of other types will be forwarded on application.

CONTROL GEAR for MERCURY VAPOUR DISCHARGE LAMPS

This control gear is designed for use with Mercury discharge Lamps.

It is necessary to use a choke to limit the discharge current and the use of a capacitor is recommended to improve the power factor.

Lamp Type	Rating	Choke	Recommended Capacitors					
			200,	210,	220,	230,	240,	250
MB/U MBF/U	80W	H80 HN80	CH8					
MB/U MBF/U MB/D MBL/D MBW/U	125W	H125 HN125	CH10			CH8		
ME/D	125W	GME250	45 MFD Special or 3–CH15					
MA/V MA/H* MBF/U	250W	H250 HN250	CH15		CH13			
ME/D	250W	GME250	40 MFD Special or 2–CH20					
MA/V MA/H* MAF/V MBF/U	400W	H400 HN400	CH20				CH15	
MA/H	1000W	2–H400† 2–HN400†	40 MFD Special and 2–CH20					
MBF/V	1000W	2–7044‡	7043§					
ME/D	1000W	GME1000	160 MFD Special					

**Modified Tappings required. Details on application.*
†Wired in parallel.
‡Wired in series.
§350/450 volts.

CONTROL GEAR for SODIUM VAPOUR DISCHARGE LAMPS

A Leak Transformer is necessary for correct operation of Sodium Lamps and a capacitor is recommended to improve the power factor.

Lamp Type	Rating	Leak Transformers	Recommended Capacitors					
			200	210	220	230	240	250
SO/H	45 W	LT 45 G20/301	CH 15					
,, ,,	60 W 85 W	LT 45 G20/301	CH 13					
,,	140 W	LT 140 G20/302	CH 20			CH 18		
,,	200 W	G20/305	Details on Application					

DISCHARGE LAMPS ARE NOT SUBJECT TO PURCHASE TAX

CONTROL GEAR DETAILS
Leak Transformers

A Leak Transformer is necessary for the correct operation of Sodium lamps and a capacitor is recommended to improve the power factor.

Siemens Ediswan Leak Transformers are available in two types. Totally enclosed type LT, and open protected type G. The windings are protected in a similar manner to the Choke Coils for Mercury Vapour Lamps. Both types are tapped 190 to 260 volts in 10 volt steps.

LEAK TRANSFORMERS

Type	Dimensions			Fixing Centres	Weight
	Length	Width	Depth		
	ins.	ins.	ins.	ins.	lbs.
LT 45	$8\frac{3}{4}$	5	$4\frac{7}{8}$	$7\frac{7}{8} \times 2\frac{1}{4}$	$12\frac{1}{2}$
G20/301	$8\frac{1}{8}$	$5\frac{5}{16}$	$2\frac{23}{32}$	$4 \times 4\frac{13}{16}$	$8\frac{1}{2}$
LT 140	$8\frac{3}{4}$	$5\frac{1}{4}$	$6\frac{15}{16}$	$8 \times 2\frac{1}{4}$	19
G20/302	$8\frac{1}{8}$	$5\frac{5}{16}$	$3\frac{5}{8}$	$4 \times 4\frac{13}{16}$	$10\frac{1}{2}$
G20/305	6·75	4·5	4·5	6 × 3·75	$15\frac{1}{2}$

Dimensions include fixing brackets.

Chokes

Cat. No. "H" denotes that the choke is totally enclosed and filled with a high melting point compound. The internal terminal block cover the voltage range 190-260 volts in 10 volt steps. An earthing terminal and shrouded cable entry holes are provided. A weatherproof cover is also fitted. Cat. No. " HN " are of the open protected type and are less expensive.

CHOKES

Type	Maximum Dimensions			Fixing Centres	Weight
	Length	Width	Depth		
	ins.	ins.	ins.	ins.	lb.
H 80	7	4	$4\frac{5}{8}$	$6\frac{1}{16} \times 2\frac{1}{4}$	$5\frac{3}{4}$
HN 80	$4\frac{11}{16}$	$3\frac{5}{8}$	$3\frac{3}{4}$	$2\frac{1}{4} \times 2$	$4\frac{3}{4}$
H 125	$7\frac{3}{4}$	5	$5\frac{1}{8}$	$6\frac{13}{16} \times 2\frac{1}{4}$	$10\frac{1}{2}$
HN 125	$5\frac{1}{10}$	$4\frac{15}{16}$	4	$3 \times 2\frac{1}{2}$	9
H 250	$8\frac{1}{4}$	$5\frac{7}{16}$	$5\frac{7}{8}$	$7\frac{5}{16} \times 2\frac{1}{4}$	$14\frac{1}{4}$
HN 250	$5\frac{3}{8}$	$5\frac{7}{16}$	$4\frac{3}{8}$	$3\frac{1}{2} \times 2\frac{1}{2}$	$11\frac{1}{4}$
GME 250	$6\frac{1}{8}$	$7\frac{1}{2}$	$6\frac{1}{4}$	$6\frac{3}{4} \times 4$	20
H 400	$8\frac{1}{4}$	$5\frac{7}{16}$	$5\frac{7}{8}$	$7\frac{5}{16} \times 2\frac{1}{4}$	$17\frac{1}{2}$
HN 400	$5\frac{3}{8}$	$5\frac{7}{16}$	5	$3\frac{1}{2} \times 3\frac{3}{16}$	$15\frac{1}{2}$
7044	$6\frac{3}{4}$	$5\frac{3}{8}$	$5\frac{3}{16}$	$6\frac{1}{4} \times 2\frac{5}{8}$	$17\frac{1}{4}$
GME 1000	$8\frac{1}{8}$	$12\frac{1}{2}$	12	$11 \times 8\frac{3}{4}$	78

DISCHARGE LAMPS ARE NOT SUBJECT TO PURCHASE TAX

Capacitors

The regulations of most supply undertakings require that all equipment installed on their mains shall have a reasonable power factor.

The introduction of a choke coil into an A.C. circuit lowers the power factor of that circuit to a figure substantially below the required minimum, but this can be rectified by installing a suitable capacitor across the mains and in parallel with the lamp circuit. We strongly recommend that P.F. capacitors be included in all circuits unless other means of power factor correction are used.

Siemens Ediswan Power Factor Correction Capacitors are totally enclosed in a welded seamless case, complete with flexible leads and earthing terminal.

CAPACITORS

Type	Capacitance M.F.D.	Dimensions		Fixing Centres	Weight
		Cross Section	Length		
		ins.	ins.	ins.	lb
CH 8	8±10%	$1\frac{5}{8}\times2\frac{11}{16}$	$3\frac{3}{8}$	$3\frac{1}{4}$	$\frac{3}{4}$
CH 10	10±10%	$1\frac{5}{8}\times2\frac{11}{16}$	4	$3\frac{1}{4}$	1
CH 13	13±10%	$1\frac{5}{8}\times2\frac{11}{16}$	$4\frac{3}{4}$	$3\frac{1}{4}$	$1\frac{1}{4}$
CH 15	15±10%	2×3	$4\frac{1}{2}$	$3\frac{1}{4}$	$1\frac{1}{2}$
CH 18	18±10%	2×3	$5\frac{1}{8}$	$3\frac{1}{4}$	$1\frac{3}{4}$
CH 20	20±10%	2×3	$5\frac{5}{8}$	$3\frac{1}{4}$	2
7043	14±10%	$3\frac{3}{4}\times5\frac{3}{4}$	$6\frac{7}{8}$	$5\frac{3}{8}$	$2\frac{5}{8}$

REPRESENTATIVE ECONOMY of DISCHARGE LAMPS

Mercury Vapour v. Tungsten

The Table below compares operating cost of mercury vapour and tungsten filament lamps on a flat rate energy basis for 1,000 hours running. Lamp life is taken as 4,000 and 1,000 hours respectively, so that only one-third of the cost of a mercury vapour lamp is included for replacement.

MERCURY VAPOUR

TARIFF	FLAT RATE OF 1d per UNIT
LAMP (equivalent light output) ...	400 WATT STANDARD
CONTROL GEAR LOSS	20 WATTS
TOTAL WATTS ...	420
RUNNING COSTS (1,000 hours) ...	$\frac{420\times1{,}000\times1}{1{,}000\times12}=35{\cdot}0/-$
LAMP REPLACEMENT COSTS	17·25/-
TOTAL OPERATING COSTS PER 1,000 HOURS BURNING ...	52·25/-

TUNGSTEN

TARIFF	FLAT RATE OF 1d per UNIT
LAMP (equivalent light output) ...	1,000 WATT (G.L.S.)
CONTROL GEAR LOSS	—
TOTAL WATTS ...	1,000
RUNNING COSTS (1,000 hours) ...	$\frac{1{,}000\times1{,}000\times1}{1{,}000\times12}=83{\cdot}3/-$
LAMP REPLACEMENT COSTS	17·5/-
TOTAL OPERATING COSTS PER 1,000 HOURS BURNING ...	100·8/-

Saving shown by mercury vapour over tungsten is 46·2 Shillings per 1,000 hours burning. Therefore, extra initial cost incurred by use of mercury lamps will be recovered in a few thousand hours.

DISCHARGE LAMPS ARE NOT SUBJECT TO PURCHASE TAX

GENERAL NOTES on DISCHARGE LAMPS

Siemens Ediswan Discharge Lamps generally, with the exception of ultra-violet and special types, are suitable for either commercial and industrial lighting, or public lighting and floodlighting.

Characteristics may be summarised as :—

DUAL LAMPS — For Commercial, Industrial, and Public Lighting. Light is near-white colour approaching daylight. Higher efficiencies of lamps can be utilised to effect up to 20% economies in electricity or to give high illumination levels at no extra consumption.

MERCURY AND MERCURY-FLUORESCENT LAMPS — For Industrial, Street Lighting and Floodlighting. Give up to three times more light than ordinary lamps of similar consumption. Have long useful lives. Light is blue-white colour from mercury lamps, and crisp-white from mercury-fluorescent.

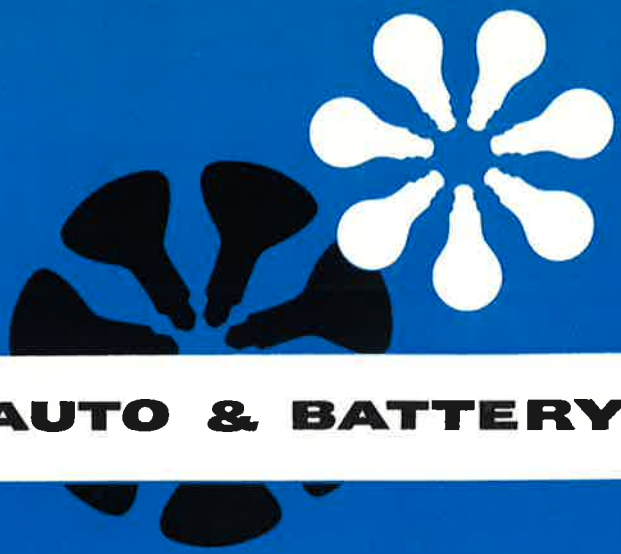
SODIUM LAMPS — For Street Lighting, Floodlighting and some Industrial Lighting where colour discrimination is unimportant. Give up to five times more light than ordinary lamps of similar consumption. Excellent visibility is obtained under the yellow light due to increased visual acuity, enhanced contrasts and freedom from glare.

ULTRA-VIOLET LAMPS — For the production of fluorescence by the irradiation of fluorescent paints or materials. Emit practically no visible light. Also used in laboratories for analysis of various substances, and in forensic science for the detection of forgeries and examination of stains.

STANDARD PACKING QUANTITIES

Type of Lamp	Wattages and Packing Quantities											
	45 watt	60 watt	80 watt	85 watt	125 watt	140 watt	200 watt	250 watt	300 watt	400 watt	500 watt	1000 watt
MA/V	—	—	—	—	—	—	—	12	—	12	—	—
MA/H	—	—	—	—	—	—	—	12	—	12	—	9
MAF/V	—	—	—	—	—	—	—	—	—	4	—	—
MAT/V	—	—	—	—	—	—	—	—	12	—	12	—
MBT/U	—	—	—	—	—	—	18	—	—	—	—	—
MBTR/U	—	—	—	—	—	—	18	—	—	—	—	—
MB/U	—	—	18	—	18	—	—	—	—	—	—	—
MBF/U	—	—	18	—	18	—	—	18	—	9	—	—
MBF/V	—	—	—	—	—	—	—	—	—	—	—	1
MBW/U	—	—	—	—	1	—	—	—	—	—	—	—
SO/H	9	9	—	9	—	9	1	—	—	—	—	—
MB/D	—	—	—	—	1	—	—	—	—	—	—	—
MBL/D	—	—	—	—	1	—	—	—	—	—	—	—
ME/D	—	—	—	—	1	—	—	1	—	—	—	1

DISCHARGE LAMPS ARE NOT SUBJECT TO PURCHASE TAX



AUTO & BATTERY LAMPS

Filament lamps used in automobiles, aircraft and motor transport, have to put up with an abnormal amount of vibration and hard knocks. Siemens Ediswan have been responsible for a major share of the development of new and better types of lamp for this purpose. Much of the research leading to improved filaments, configurations and methods of suspension, envelope design and other important aspects of automobile lamp manufacture has been carried out in our lamp laboratories. The extremely wide range of Siemens Ediswan automobile, transport and battery lamps covers every need of the motor car, heavy transport, marine, aircraft and mining industries, for general illumination, focused beam lamps, indicator lamps, traffic and direction signal lamps etc. Siemens Ediswan lamps are authorised Lucas Spares.

SIEMENS EDISWAN

INDEX

TRANSVERSE FILAMENT
HEADLAMP No. 75

AXIAL FILAMENT
HEADLAMP No 130

DOUBLE FILAMENT
HEADLAMP No. 170

HEADLAMPS SINGLE FILAMENT

Filament: Axial except where otherwise stated.

Lamp Ref. Number	Volts	Watts	Cap	Contacts	Dimensions (mm.)		List Price	
					Overall Length	Diameter		
					Tolerance±4	Tolerance±1	s.	d.
106	6	24	SCC	Single	56	38	2	6
109	6	24	SBC	Double	56	38	2	6
1	12	24	SCC	Single	56	38	2	6
4	12	24	SBC	Double	56	38	2	6
—	12	24	BC	Double	56	38	2	6
108	6	36	SCC	Single	56	38	2	9
608*	6	36	SCC	Single	56	38	3	0
111	6	36	SBC	Double	56	38	2	9
75*	6	36	SCC	Single	65	38	2	9
130	6	36	Bosch	Single	56	38	3	0
2	12	36	SCC	Single	56	38	2	6
615*	12	36	SCC	Single	56	38	3	0
5	12	36	SBC	Double	56	38	2	6
57*	12	36	SCC	Single	56	38	2	6
—	12	36	BC	Double	56	38	2	6
621	24	36	SCC	Single	56	38	2	6
123	24	36	SBC	Double	56	38	2	6
622	24	36	BC	Double	56	38	2	6
610	6	48	SCC	Single	56	38	4	0
23	12	48	SCC	Single	56	38	4	0
27	12	48	SBC	Double	56	38	4	0
96	12	48	Bosch	Single	65	38	4	3
623	24	48	SCC	Single	56	38	4	0
140	24	48	SBC	Double	56	38	4	0
624	24	48	BC	Double	56	38	4	0
90	12	60	SCC	Single	63	50	5	6
26	12	60	SBC	Double	63	50	5	6
87	12	60	Bosch	Single	74	50	5	9
124	24	60	SCC	Single	63	50	5	6
128	24	60	SBC	Double	63	50	5	6
127	24	60	BC	Double	63	50	5	6
131	24	60	Bosch	Double	74	50	5	9

Note: Lamps Nos. 608 and 615 suitable for Notek equipment. **Transverse filament*

DOUBLE FILAMENT

These lamps have two filaments located one above the other. The normal driving beam is provided by the main, lower filament, and the auxiliary filament enables a dipped beam to be produced—thus reducing dazzle. Standard filament—Double Transverse.

Lamp Ref. Number	Volts	Watts	Cap	Dimensions (mm.)		List Price	
				Overall Length	Diameter		
				Tolerance±4	Tolerance±1	s.	d.
180	6	18/18	SBC	56	38	4	6
168	6	24/24	SBC	56	38	3	6
183	6	24/24	Bosch	65	38	3	9
169	6	30/30	SBC	56	38	3	6
629	6	30/30	American Pre-focus	58	38	4	0
170	6	36/36	SBC	56	38	3	6
171	12	36/36	SBC	56	38	3	6
182	12	36/36	Bosch	65	38	3	9
194	24	36/36	SBC	56	38	4	3
671	24	44/38	SBC	56	38	5	0

DOUBLE FILAMENT
HEADLAMP No. 354

SINGLE FILAMENT
HEADLAMP No. 162

SINGLE FILAMENT
HEADLAMP No. 173

HEADLAMPS British Pre-Focus

Standard Filament, Axial except where otherwise stated.

Each lamp is optically pre-focussed during manufacture and the special locating washer (focussing disc) ensures that accurate focusing of the headlight is obtained without the need for further adjustment by the motorist. The disc also serves to prevent corrosion of the reflector by providing a sealed joint between the bulb and the reflector. In the case of Double Filament lamps the second filament is arranged to produce a dipped beam to reduce dazzle.

SINGLE FILAMENT

Lamp Ref.	Volts	Watts	Contacts	Dimensions (mm.)		List Price	
				Overall Length	Diameter		
				Maximum	Tolerance±1	s.	d.
172	6	36	Single	64	28	3	9
173*	6	36	Single	64	28	3	9
162	12	36	Single	64	28	3	9
177	12	36	Double	64	28	3	9
325*	12	38	Single	64	28	3	9
326*	12	38	Double	64	28	3	9
323*	12	48	Single	64	28	4	6
185	12	48	Single	64	28	4	6
331	24	44	Double	64	28	4	6
330*	24	44	Double	64	28	4	6
606*	24	44	Single	64	28	4	6

** Transverse filament*

DOUBLE FILAMENT

Standard Filament—Double transverse, main filament on axis.

Lamp Ref. Number	Volts	Watts	Filament Dipping Arrangement	Dimensions (mm.)		List Price	
				Overall Length	Diameter		
				Maximum	Tolerance±1	s.	d.
311	6	18/18	Vertical Dip	64	28	5	3
408	12	21/38	—	64	28	6	3
166	6	24/24	Vertical Dip	64	28	4	9
312	6	30/24	Vertical Dip	64	28	5	0
373	6	30/24	Left Dip / Rt. Hd. Drive	64	28	5	0
354	12	42/36	Left Dip / Rt. Hd. Drive	64	28	4	6
355	12	42/36	Right Dip / Lt. Hd. Drive	64	28	4	6
358	12	44/38	Left Dip / Rt. Hd. Drive	64	28	5	4
359	24	44/38	Left Dip / Rt. Hd. Drive	64	28	5	6
356	6·4	45/35	Left Dip / Rt. Hd. Drive	64	28	5	6
302	12	48/48	Left Dip / Rt. Hd. Drive	64	28	6	9
414	12	50/40	Shielded Filament	64	28	5	0
404	12	60/36	Left Dip / Rt. Hd. Drive	64	38	7	0

CADMIUM
HEADLAMP No. 376

CADMIUM
HEADLAMP No. 375

STOP LAMP
No. 382

STOP and TAIL
No. 381

HEADLAMPS
with Special Cadmium Yellow Bulb

These lamps are widely used on the Continent and their use is obligatory in some countries. They can also be used in fog lamps.

SINGLE FILAMENT

Lamp Ref. Number	Volts	Watts	Cap	Contacts	Dimensions (mm.)		List Price
					Overall Length	Diameter	
						Tolerance±1	s. d.
374	6	36	SCC	Single	56 ±4	38	4 0
375	12	36	SCC	Single	56 ±4	38	3 9
600	12	48	British Pre-focus	Single	64 max.	28	5 9
685	12	48	,,	Single	64 max.	28	5 9

DOUBLE FILAMENT

Lamp Ref. Number	Volts	Watts	Cap	Filament Dipping Arrangement	Dimensions (mm.)		List Price
					Overall Length	Diameter	
						Tolerance±1	s. d.
376	12	36/36	SBC	Vertical Dip	56 ±4	38	4 9
602	6	30/24	British Pre-focus	Vertical Dip	64 max.	28	6 3
603	12	42/36	British Pre-focus	Left Dip (Rt. Hd. Drive)	64 max.	28	5 9

STOP and STOP/TAIL LAMPS

The combined stop and tail lamps have two filaments. The rear lamp is permanently illuminated by the small-wattage filament. The large-wattage filament is automatically operated when the brake-pedal is actuated. Thus, the rear lamp brightens when the car is slowing down or stopping, providing an effective warning to following drivers.

Lamp Ref. Number	Volts	Watts	Cap	Contacts	Dimensions (mm.)		List Price
					Overall Length	Diameter	
					Tolerance±2	Tolerance±1	s. d.
317	6	18	SCC (BA15s/19)	Single	47	25	3 9
*382	12	21	SCC (BA15s/19)	Single	47	25	3 0
335	12	21	SBC (BA15d/19)	Double	47	25	3 0
333	24	24	SBC (BA15d/19)	Double	47	25	3 9
383	6	6/18	SBC (BA15d/19)	Double	47	25	3 6
384	6	6/18	SBC Index (Offset pins)	Double	47	25	3 6
*380	12	6/21	SBC Index (Offset pins)	Double	47	25	3 6
*381	12	6/21	SBC (BA15d/19)	Double	47	25	3 6
*334	24	6/24	SBC Index (Offset pins)	Double	47	25	3 9
692	24	6/24	SBC (BA15d/19)	Double	45·5	25	3 9

**Suitable for flashing type turn signals.*

15 mm. SIDE and TAIL No. 989

18 mm. SIDE and TAIL No. 207

11 mm. INDICATOR No. 987

FESTOON No. 255

FESTOON No. 254

SIDE and TAIL LAMPS

The most modern cars often use the latest 15 mm. diameter bulbs instead of 18 mm. This enables small fittings to be employed which are more easily embodied in the streamlined body design.

Lamp Ref. Number	Volts	Watts	Cap	Contacts	Dimensions (mm.)		List Price	
					Overall Length	Diameter		
					Tol.	Tolerance ±1	s.	d.
200	6	3	SCC	Single	32·5 ±2·5	18	1	4
204	6	3	SBC	Double	32·5 ±2·5	18	1	4
988	6	3	MCC	Single	28 ±1·5	15	1	5
222	12	4	MCC	Single	28 ±1·5	15	1	5
635	12	4	SBC	Double	28 ±1·5	15	1	6
951	6	6	MCC	Single	28 ±1·5	15	1	7
205	6	6	SCC	Single	32·5 ±2·5	18	1	6
206	6	6	SBC	Double	32·5 ±2·5	18	1	6
207	12	6	SCC	Single	32·5 ±2·5	18	1	4
*225	12	6	SBC	Double	32·5 ±2·5	18	1	6
209	12	6	SBC	Double	32·5 ±2·5	18	1	4
989	12	6	MCC	Single	28 ±1·5	15	1	5
636	16	6	SCC	Single	32·5 ±2·5	18	2	0
637	16	6	SBC	Double	32·5 ±2·5	18	2	0
149	24	6	SCC	Single	32·5 ±2·5	18	1	4
150	24	6	SBC	Double	32·5 ±2·5	18	1	4
638	24	6	BC	Double	37 ±2·5	18	1	4
132	24	6	SBC	Double	37 ±2·5	22	1	5
639	24	6	BC	Double	41 Approx.	22	1	5
—	30	6	SBC	Double	37 ±2·5	22	2	6

* *With special rough service filament*

INDICATOR LAMPS

These lamps are used as panel lights and warning lights.

Lamp Ref. Number	Volts	Watts	Cap	Contacts	Dimensions (mm.)		List Price	
					Overall Length	Diameter		
						Tolerance ±1	s.	d.
280	12	1·5	E5/8	Single	15	6·75	1	9
—	8	1·6	MES	Single	27·5 ±1·5	15	2	3
640	6	1·8	MCC	Single	23·5 ±1·5	11	1	9
982	6	1·8	MES	Single	23 ±1	11	1	6
987	12	2·2	MES	Single	23 ±1	11	1	1
643	12	2·2	MCC	Single	23·5 ±1	11	1	2
986	12	2·2	MES	Single	27·5 ±1·5	15	1	1
645	12	2·2	MCC	Single	28 ±1·5	15	1	2
—	12	2·2	SBC	Double	27·5 ±1·5	15	1	5
650	24	2·8	MES	Single	23 ±1	11	1	8
993	24	2·8	MES	Single	27·5 ±1·5	15	1	4
651	24	2·8	MCC	Single	28 ±1·5	15	1	5
990	6	3	MES	Single	23 ±1	11	1	1
641	6	3	MCC	Single	23·5 ±1·5	11	1	2
981	6	3	MES	Single	27·5 ±1·5	15	1	3
642	6	3	MCC	Single	28 ±1·5	15	1	6
985	16	3	MES	Single	27·5 ±1·5	15	2	2
647	16	3	MCC	Single	28 ±1·5	15	2	3
649	16	3	SBC	Double	26 ±2·5	15	3	0
950	6	6	MES	Single	27·5 ±1·5	15	1	3

FESTOON LAMPS

Used for trafficators and roof lights.

Lamp Ref. Number	Volts	Watts	Cap	Dimensions (mm.)		List Price	
				Overall Length	Diameter		
				Tolerance ±1	Tolerance ±·5	s.	d.
255	6	3	Cone	35·5	7·5	2	3
256	12	3	Cone	35·5	7·5	2	3
—	24	3	Cone	38	11	2	6
253	6	6	Cone	38	11	2	7
254	12	6	Cone	38	11	2	7
653	24	6	Cone	38	11	2	6
260	24	6	Cone	44	11	2	7
†654	24	6	Cone	38	11	3	10

† *With supported filament*

SBC 38 mm. BUS LAMP

BC 38 mm. BUS LAMP

BC 38 mm.
TROLLEY BUS LAMP

40 w. TRACTION LAMP

BUS INTERIOR LAMPS

Specially designed for the interior lighting of buses and coaches and can be supplied in either 38 mm or 50 mm. diameter bulbs in pearl finish. The 24 v. 12 w. rating is also available in inside white finish.

Volts	Watts	Cap	Contacts	Dimensions (mm.)		Finish	List Price
				Overall Length	Diameter		
				Tolerance ±4	Tolerance ±1		s. d.
12	12	SBC	Double	56	38	Pearl or Clear	2 0
12	12	BC	Double	56	38	Pearl or Clear	2 0
12	12	BC	Double	68	50	Pearl	2 0
12	24	BC	Double	56	38	Pearl or Clear	2 4
12	24	SBC	Double	56	38	Pearl	2 4
24	12	SBC	Double	56	38	Pearl or Clear	2 1
24	12	BC	Double	56	38	Pearl or Clear	2 1
24	12	BC	Double	68	50	Pearl	2 1
24	12	BC	Double	56	38	Inside White	2 5
24	15	BC	Double	68	50	Inside White	2 9
24	20	SBC	Double	56	38	Inside White	2 4
24	20	SBC	Double	68	50	Pearl	2 4
24	20	BC	Double	56	38	Pearl	2 4
24	20	BC	Double	68	50	Pearl	2 4

TROLLEY BUS LAMPS (35V)

These lamps have been designed for trolley bus lighting, but are also suitable for many other applications where a low voltage lamp with a small bulb is required.

Lamp Ref. No.	Volts	Watts	Cap	Contact	Type	Dimensions (mm.)		Finish	List Price
						Overall Length	Diameter		
							Tolerance ±1		s. d.
220	35	6	SBC	Double	Instrument or side	37 ±2·5	22	Clear	2 6
—	35	15	BC	Double	Interior	56 ±4	38	Clear	2 9
—	35	15	BC	Double	Interior	68 ±4	50	Pearl	2 9
—	35	20	BC	Double	Interior	56 ±4	38	Pearl	2 9
—	35	36	SBC	Double	Head	56 ±4	38	Clear	4 0

TRACTION LAMPS (Group I)

TRACTION (GASFILLED) SERIES BURNING Suitable for Tramcars and Rolling Stock.

Voltages	Rated Amps	Watts	Approximate Dimensions				Cap	Price Clear or Pearl
			Length		Diameter			
			mm.	ins.	mm.	ins.		s. d.
110, 120	.35	40	110	4⅜	60	2⅜	B.C. or E.S.	1 9
130	.52	60	110	4⅜	60	2⅜	B.C. or E.S.	1 9

TRACTION (GASFILLED) LONG SERIES These lamps are fitted with a cut-out which operates should a lamp fail, thus enabling the remainder of the Lamps in series to remain in operation.

Voltages	Watts	Approximate Dimensions				Price Clear or Pearl
		Length		Diameter		
		mm.	ins.	mm.	ins.	s. d.
40	40	110	4⅜	60	2⅜	3 0
50	60	110	4⅜	60	2⅜	3 0


15 mm. CYCLE DYNAMO GRANULATED
18 mm. CYCLE DYNAMO
11 mm. ROUND RADIO PANEL
10 mm. TUBULAR RADIO PANEL
18 mm. KRYPTON MINER
11 mm. FLASH
25 mm. DOUBLE FILAMENT ARGON MINER

CYCLE DYNAMO LAMPS (Group IV)

Volts	Amps.	Finish	Cap	Diameter (mm.)	List Price
					s. d.
6	0.04	CLEAR	MES	11	8
6	0.04	GRANULATED	MES	15	8
6	0.3	CLEAR	SCC	18	1 4
6	0.3	GRANULATED	MES	15	8
6	0.45	GRANULATED	MES	15	8
6	0.5	GRANULATED	MES	15	8
6	0.5	CLEAR	SCC	18	1 4
6	0.1	CLEAR	MES	11	8
6	0·25	GRANULATED	MES	15	8

RADIO PANEL LAMPS (Group X)

Volts	Amps.	Cap	Dimensions (mm.)		List Price
			Overall Length	Diameter	
					s. d.
6·3	0.15	MES	30 max.	10 (Tubular)	7
6·2	0.3	MES	29 max.	15 (Round bulb)	7
6·5	0.3	MES	24 max.	11 (Round bulb)	7
6·5	0.3	MES	30 max.	10 (Tubular)	7

FLASH LAMPS

Volts	Amps.	Cap	Diameter (mm.)	List Price
				s. d.
2·5	0.2	MES	11	4
2·5	0.3		11	4
3·5	0.15		11	4
3·5	0.3		11	4
4·0	0.3		11	4
5·0	0.15		15	8

MINERS LAMPS (Group V)

Volts	Amps.	Cap	Dimensions (mm.)		Gas Filling	Finish	M.F.P. Category	List Price
			Overall Length	Diameter				s. d.
2·5	0·85	MES	27·5	15	Argon	Clear	—	2 6
4·0	0.8/0.8	SBC	49	25	Argon	Clear	2	2 9
2·5	1.5	953	43.5	18	Krypton	Pearl	1 (B)	3 0
2·5	1.75	953	43.5	18	Krypton	Pearl	1 (A)	3 0
2·5	1.75	SES	45.5	18	Krypton	Pearl	1 (A)	3 0
3·6	1.0	MES	30.5	18	Krypton	Clear	1 (A)	2 6
4·0	0.8	MES	30.5	18	Krypton	Clear	1 (A)	2 6
4·0	1.0	MES	30.5	18	Krypton	Clear	1 (A)	3 0
2·5	0·75	MES	27·5	15	Vacuum	Clear	—	2 0

AIRCRAFT LANDING
995-4717

NAVIGATION
995-3219

GENERAL SERVICE
995-2249

AIRCRAFT LAMPS

Landing

Inter Services Number	A.M. Ref.	Volts	Watts	Dia. mm.	Length mm.	Cap	Description	Group No.	List Price s.	List Price d.
995–4717	5L/106	26	240	60	95	P28/25	Clear Gasfilled	1	29	0
995–4722	—	22	350/350	75	125	P28/25	Clear Gasfilled	1	50	0

Navigation, Head, Tail and Side

Inter Services Number	A.M. Ref.	Volts	Watts	Dia. mm.	Length mm.	Cap	Description	Group No.	List Price s.	List Price d.
995–2276	5L/244	24	10	25	46	SBC	Clear Gasfilled	2	4	6
995–3219	5L/1813	24	20	38	57	SBC	Clear Gasfilled	2	4	6

General Service

Inter Services Number	A.M. Ref.	Volts	Watts	Dia. mm.	Length mm.	Cap	Description	Group No.	List Price s.	List Price d.
995–2249	5L/263	12	6	18	32·5	SBC	Clear Gasfilled	2	1	5
995–2254	5L/264	24	6	18	32·5	SBC	Clear Gasfilled	2	1	6

Cabin, Cockpit and Gunsight

Inter Services Number	A.M. Ref.	Volts	Watts	Dia. mm.	Length mm.	Cap	Description	Group No.	List Price s.	List Price d.
995–1259	—	11	12	18	31	MCC	Clear Gasfilled	2	4	0
—	—	11	12	18	31	MES	Clear Gasfilled	2	4	0
995–1260	5L/236	22	12	18	31	MCC	Clear Gasfilled	2	4	0
995–2261	5L/302	12	7	18	32·5	SBC	Clear Gasfilled	2	3	0

IDENTIFICATION
995-2604

IDENTIFICATION
995-2404

AIRCRAFT LAMPS (continued)

Taxying

Inter Services Number	A.M. Ref.	Volts	Watts	Dia. m/m.	Length m/m.	Cap	Description	Group No.	List Price
									s. d.
995–2511	5L/588	24	60	38	56	SBC	Clear Gasfilled (V Filament)	2	6 0

Instrument, Indicator, Warning and Morse Signal

Inter Services Number	A.M. Ref.	Volts	Watts	Dia. m/m.	Length m/m.	Cap	Description	Group No.	List Price
									s. d.
995–1225	5L/2130	6·5	2·36	11	23	MES	Clear Vacuum	10	7
995–4401	5L/2339	12	30	40	65	P28/25	Clear Gasfilled	2	10 0
995–4402	5L/2340	24	30	40	65	P28/25	Clear Gasfilled	2	12 6
995–2232	5L/591	22	4·8	11	30·5	SBC	Clear Gasfilled	2	5 5

Identification

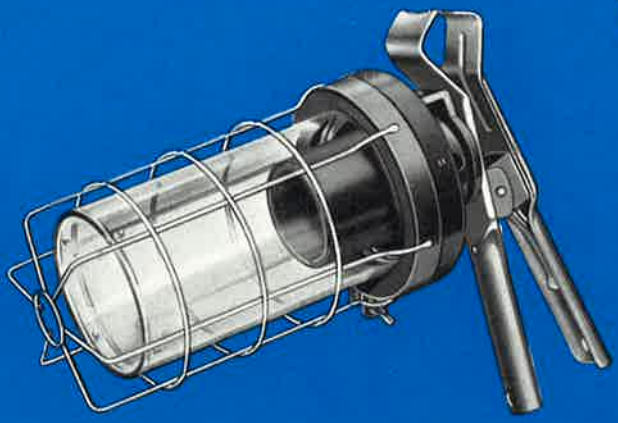
Inter Services Number	A.M. Ref.	Volts	Watts	Dia. m/m.	Length m/m.	Cap	Description	Group No.	List Price
									s. d.
995–2401	5L/1149	12	30	27	58	SBC	Pearl Gasfilled	2	5 0
995–2604	5L/50	24	80	38	58	SBC	Pearl Gasfilled	2	7 6
995–2404	5L/1698	24	30	27	58	SBC	Pearl Gasfilled	2	5 6
995–3202	5L/271	24	16	25	46	SBC	Pearl Gasfilled	2	3 6

GRIPPER HANDLAMPS

. . . the answer to all two-handed jobs in all situations

Grips on anywhere.
Flex is locked and cannot fray or pull out.
All live parts completely enclosed and insulated.

"CADET"—Low priced, ultra safe, tenacious grip and robust construction, designed to comply with the strictest safety regulations.
Available fitted B.C. List Price **24/4**
or E.S. Lampholder List Price **25/4**



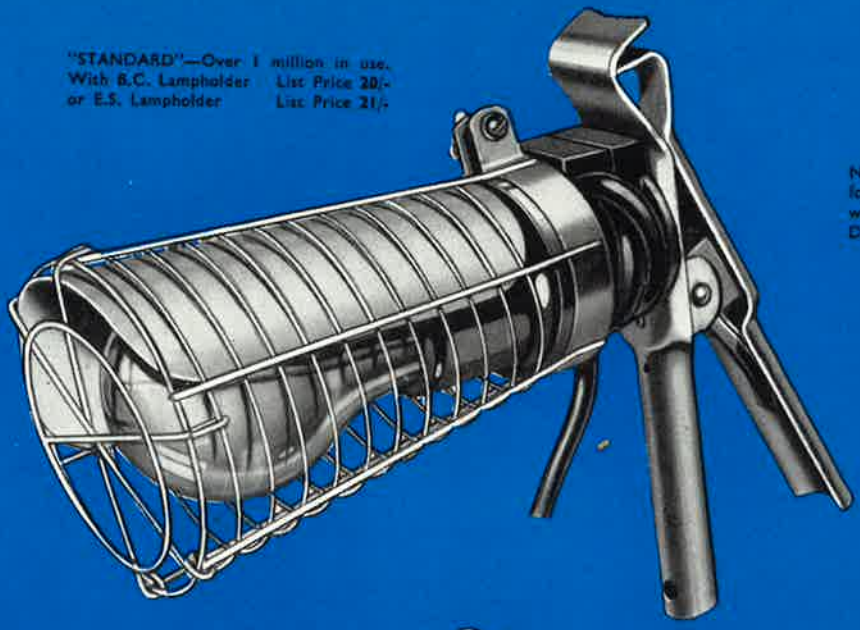
"SHATTERPROOF"—Perspex protected, ideal for light industrial conditions. Practically unbreakable.
B.C. Lampholder to order List Price **60/-**
or E.S. Lamp holder to order List Price **61/-**

"WELLGLASS"—Ideal under tough industrial conditions, designed especially for use in moisture laden and corrosive atmospheres.
B.C. Lampholder List Price **33/8**
or E.S. Lampholder List Price **34/8**

"GRIPPALITE"—This robust tough plastic insulated Gripper handlamp meets the requirements of every motorist and is invaluable for breakdowns, wheel changes and any of the odd jobs which have to be carried out at night.
The "GRIPPALITE" will clip on anywhere. Supplied with 12 ft. P.V.C. flex and crocodile clips, works from a car battery (6-24 v.). List Price **11/6**

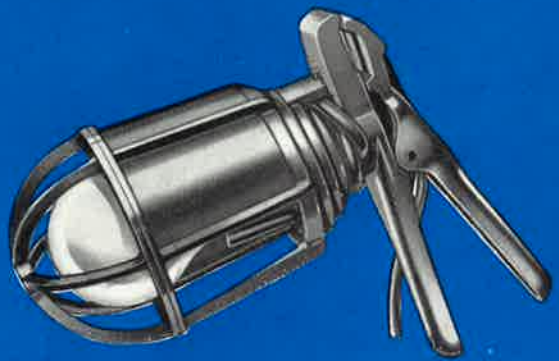
List Prices quoted do not include lamps or flex except where stated.
GRIPPER HANDLAMPS ARE NOT SUBJECT TO PURCHASE TAX.

"STANDARD"—Over 1 million in use.
With B.C. Lampholder List Price 20/-
or E.S. Lampholder List Price 21/-



New "NAVY"—Suspension Handlamp for general indoor and outdoor use—widely used by the Royal Navy, H.M. Dockyards, National Coal Board, etc.
List Price 12/-

"BABY GRIPPER"—The popular all-purpose handlamp for the motorist. Suitable for use on all normal vehicle electrical systems. Takes double contact S.B.C. lamp (3w-36w). List Price, including 10 ft. flex, 12/-

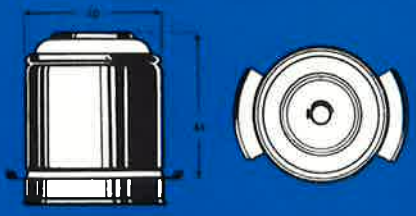


"SUPER GRIPPER"—Robust, tough plastic model for high-voltage work. Tested to 20 kV. No exposed metal.
B.C. Lampholder List Price 29/-
or E.S. Lampholder List Price 30/-

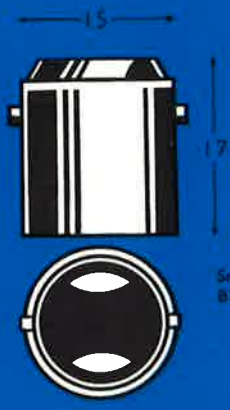
GRIPPER HANDLAMPS ARE NOT SUBJECT TO PURCHASE TAX.

CAPS *APPROXIMATE DIMENSIONS IN MILLIMETRES*

P28/25
Medium
Pre-Focus



P40/41
Giant
Pre-Focus



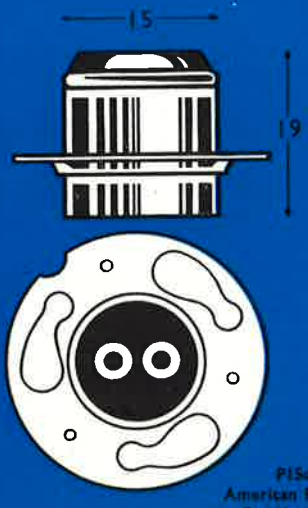
Small Bayonet
B15d/17

Small Centre Contact
B15s/21

Small Centre Contact
B15s/17

P15s/19
American Pre-Focus
Single Contact

B22/25x26
Bayonet Cap



P15d/19
American Pre-Focus
Double Contact

P22d/21
British Pre-Focus
Double Contact

E10/13
Miniature Edison Screw

P22s/21
British Pre-Focus
Single Contact

PURCHASE TAX

Purchase Tax is chargeable on the lamps detailed in this list on the following basis:—

Group 1.	Traction Lamps	17.1%
„ 2.	Automobile Lamps	15.9%
„ 4.	Cycle Dynamo Lamps	15.9%
„ 5.	Miners' lamps approved by Mines Dept. and marked "MFP"	Nil
	Other lamps in Group 5	18.3%
„ 10.	Radio Panel Lamps	15.9%
—	Flashlamps	15.9%

For your guidance the actual amounts to be added to our list prices when lamps are resold are shown below:—

PURCHASE TAX

ON GROUP 2 (Automobile); GROUP 10 (Radio Panel); GROUP 4 (Cycle Dynamo) FLASHLAMPS

Where Price List is Over	And Does Not Exceed	Addition to List Price	Where Price List is Over	And Does Not Exceed	Addition to List Price
s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
—	7	1	4 3	4 6	8½
7	9½	1½	4 6	4 9	9
9½	1 1	2	4 9	5 0	9½
1 1	1 4	2½	5 0	5 3	10
1 4	1 7½	3	5 3	5 7	10½
1 7½	1 10	3½	5 7	5 10	11
1 10	2 1½	4	5 10	6 1	11½
2 1½	2 4½	4½	6 1	6 4	1 0
2 4½	2 8	5	6 4	6 11	1 1
2 8	2 11	5½	6 11	7 5	1 2
2 11	3 2	6	7 5	8 0	1 3
3 2	3 5½	6½	8 0	8 6	1 4
3 5½	3 8½	7	8 6	9 0	1 5
3 8½	3 11½	7½	9 0	9 6	1 6
3 11½	4 3	8	9 6	10 0	1 7

STANDARD PACKING QUANTITIES

Bulb Diameter mm.	Bulb Type	Standard Packing Quantity	Bulb Diameter mm.	Bulb Type	Standard Packing Quantity
38	Ordinary Headlight Bulbs	12	15	Side and Tail	12
50	„ „ „	12	18	Side and Tail	12
28	British Prefocus Headlight Bulbs	12	25	Stop and Stop/Tail ...	12
			11	Indicator	12
			15	Indicator	12
11	Festoon	10	11 & 15	Radio Panel and Cycle Dynamo	50 (5 trays of 10 Lamps)

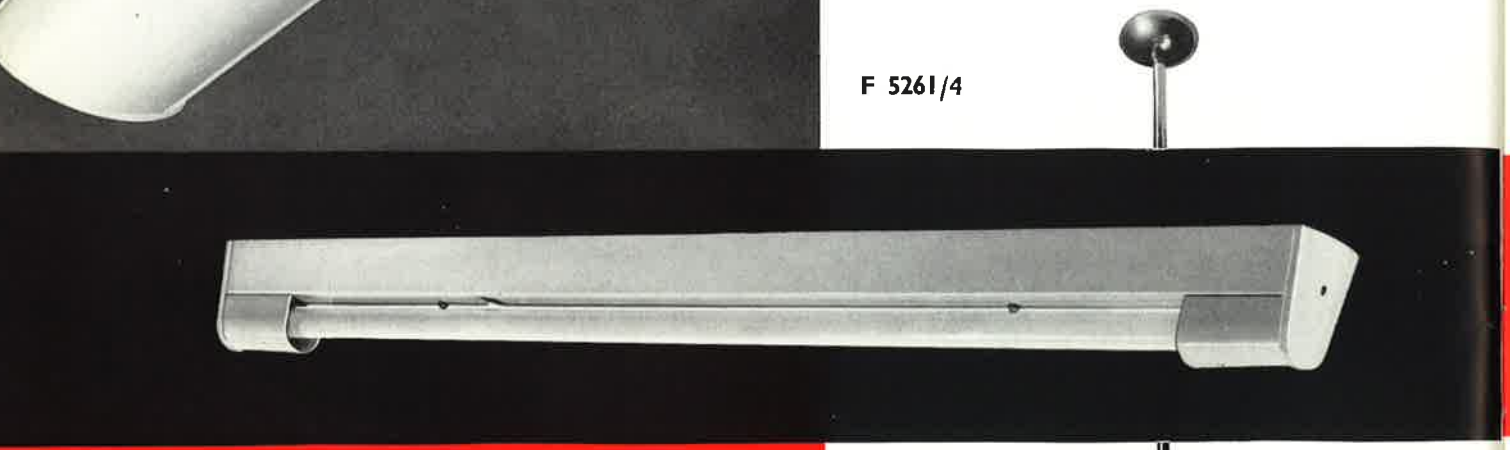
EXTRAS

For details of extra charges applicable for Non-Standard Cap or special finish, where available, on lamps listed throughout this Catalogue, please apply to your nearest Siemens Edison Swan office.

F 522/3

C 500

F 5261/4



T 2006

T 7029

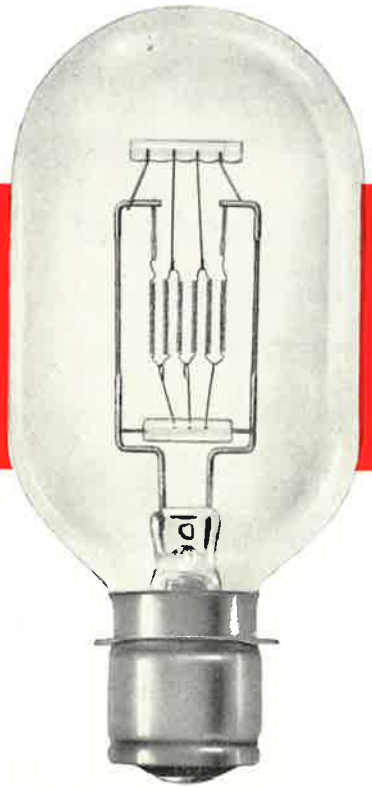
QUALITY FITTINGS FOR EVERY REQUIREMENT

Only a small selection can be illustrated from our very wide range of "design-wise" fittings, tailored to meet every lighting requirement. Quality is the keynote of Siemens Ediswan Fittings . . . quality, that means that little extra refinement in functional design, in choice of materials and in shrewd workmanship. More than that—Siemens Edison Swan maintain a comprehensive Advisory Service which is available for consultation on all aspects of industrial and commercial lighting.

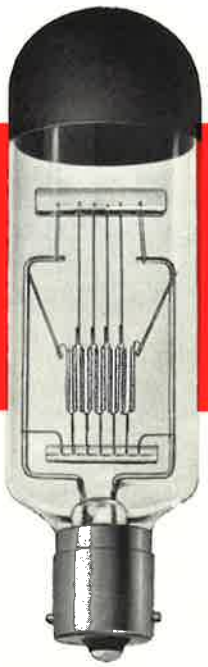
A selection from our range of fittings and projector lamps

Full details supplied on application

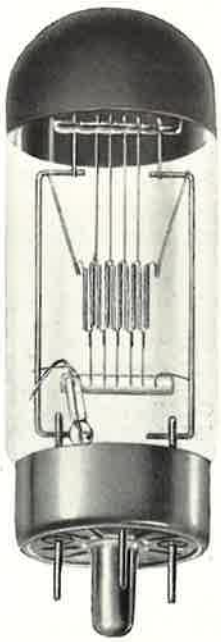
A1/8 Projector Lamp



A1/176 Projector Lamp



A1/180 Valve-Type Base Projector Lamp



The above projector lamps are typical of those shown in our Projector Lamp Catalogue PD11/L46

TERMS AND CONDITIONS

Resale

SIEMENS EDISWAN ELECTRIC LAMPS must be retailed at the list prices only as set forth in this Catalogue. Acceptance of SIEMENS EDISWAN LAMPS from any source of supply will constitute an acceptance of this condition.

Packing and Delivery

Any number of Lamps will be packed and delivered free.

Sound Delivery

is guaranteed. Lamps broken in transit from our stores to customers' premises are credited or replaced at our option, if advised and returned to us carriage paid within seven days of despatch. Our package and despatch note numbers with dates to be given. No responsibility is accepted for the safe custody of lamps returned.

Special Lamps

Prices for SIEMENS EDISWAN ELECTRIC LAMPS of types and ratings other than those included in these Catalogues will be furnished on application.

Constructional Details

We reserve the right to introduce alterations in constructional details without previous notice.

Every care is taken to ensure the correct execution of orders, but the Company cannot entertain claims arising in respect of matters outside its control, or for consequential damages.

Orders accepted are subject to our Standard Terms and Conditions of Sale. Prices apply in Great Britain and Northern Ireland.

Siemens Edison Swan Limited

LAMPS AND LIGHTING DIVISION

38 & 39 UPPER THAMES STREET, LONDON, E.C.4

(An A.E.I. Company)

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41, Queen Street, Belfast, 1 Tel.: Belfast 20437

BIRMINGHAM
76/80, Sherlock Street, Birmingham 5
Tel.: Midland 8391/2/3/4/5

BRIGHTON
96/97 St. Georges Road, Brighton
Tel.: Brighton 61482/3

BRISTOL
47 & 49 Colston Street, Bristol 1 Tel.: Bristol 20161/2

CARDIFF
Hills Street, Cardiff Tel.: Cardiff 32276

DUBLIN
52, South William Street, Dublin C.1
Tel.: Dublin 77354/5

DUNDEE
41, Ward Road, Dundee Tel.: Dundee 26541/2/3

EDINBURGH
127, George Street, Edinburgh
Tel.: Caledonian 6566/7

GLASGOW
167, St. Vincent Street, Glasgow, C.2
Tel.: Central 0687/8/9

HULL
8, Park Street, Hull Tel.: Central 36823

IPSWICH
42/44, Brooks Hall Road, Ipswich Tel.: Ipswich 51226

LEEDS
Sheepscar Street South, Leeds 7 Tel.: Leeds 27395

LEICESTER
247, Western Road, Leicester Tel.: Leicester 58124/5

LIVERPOOL
20/30, Banastre Street, Liverpool 3
Tel.: Central 2002

LONDON
Crown House, Aldwych, London W.C.2
Tel.: Temple Bar 8040

MAIDSTONE
9, Market Buildings, Maidstone
Tel.: Maidstone 55571/2

MANCHESTER
Lloyds House, Albert Square, Manchester
Tel.: Blackfriars 4423

NEWCASTLE
Carliol Square, Newcastle-on-Tyne 1
Tel.: Newcastle 20641/2, 27473

NOTTINGHAM
23, Goldsmith Street, Nottingham
Tel.: Nottingham 42511

PLYMOUTH
2/4, Alvington Street, Prince Rock, Plymouth
Tel.: Plymouth 64962

PRESTON
43, Guildhall Street, Preston Tel.: Preston 57726/7

READING
161/3 Cardiff Road, Reading Tel.: Reading 55030, 54704

SHEFFIELD
57/59, West Street, Sheffield 1 Tel.: Sheffield 25259

SOUTHAMPTON
125, High Street, Southampton
Tel.: Southampton 26263/4

SWANSEA
151/2, High Street, Swansea Tel.: Swansea 50214

SIEMENS EDISWAN

PD11/L.45

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