

G.E.C.
FESTIVE
LIGHTING

THE GENERAL ELECTRIC CO. LTD. OF ENGLAND

G.E.C.

FESTIVE LIGHTING

CO

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Outdoor Decorative Lighting	
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ERRATA.

Catalogue G.E.C. Festive Lighting 1288, December, 1950.

All prices with prefix "F" are subject to 10% advance except control gear (transformers, chokes and capacitors).

Page 14. F.69027/8 should be:—
 F.69026 and F.69028.
 F.69026 is as described for F.69028
 Price **£7.10.0**
 F.69028 is as described for F.69027
 Price **£9.12.0**

Page 15. F.69015/6
 F.69015, 13½ ins. high, 18 ins. wide,
 17½ ins. deep, weight 19 lbs. OSRAM
 projector lamp, 500 w. Class B.1.
 Price **£19.3.0**
 F.69016, 15 ins. high, 20 ins. wide,
 19 ins. deep, weight 26 lbs. OSRAM
 projector lamp, 1000 w. Class B.1
 Price **£21.10.0**

Pages 39 and 40. New Prices.
 S.1231 **£1.14.0** per doz.
 S.1232 **£1. 6.0** per doz.
 S.1193 **£1.14.0** per doz.
 S.1234 **£1. 0.0** per doz.
 S.1244 **£1. 6.0** per doz.
 S.1347 Black **6s. 8d.** per pair.
 S.1347 Cream **7s. 4d.** per pair.
 S.1347A **10s. 8d.** per pair.
 S.1441-4 **10s. 8d.** each.

THE GENERAL ELECTRIC CO. LTD.

Head Office : Magnet House, Kingsway, London, W.C.2

Telephone: TEMple Bar 8000 (90 lines).

Telegrams: "Electricity, Westcent, London."

Cablegrams: "Polyphase, London."

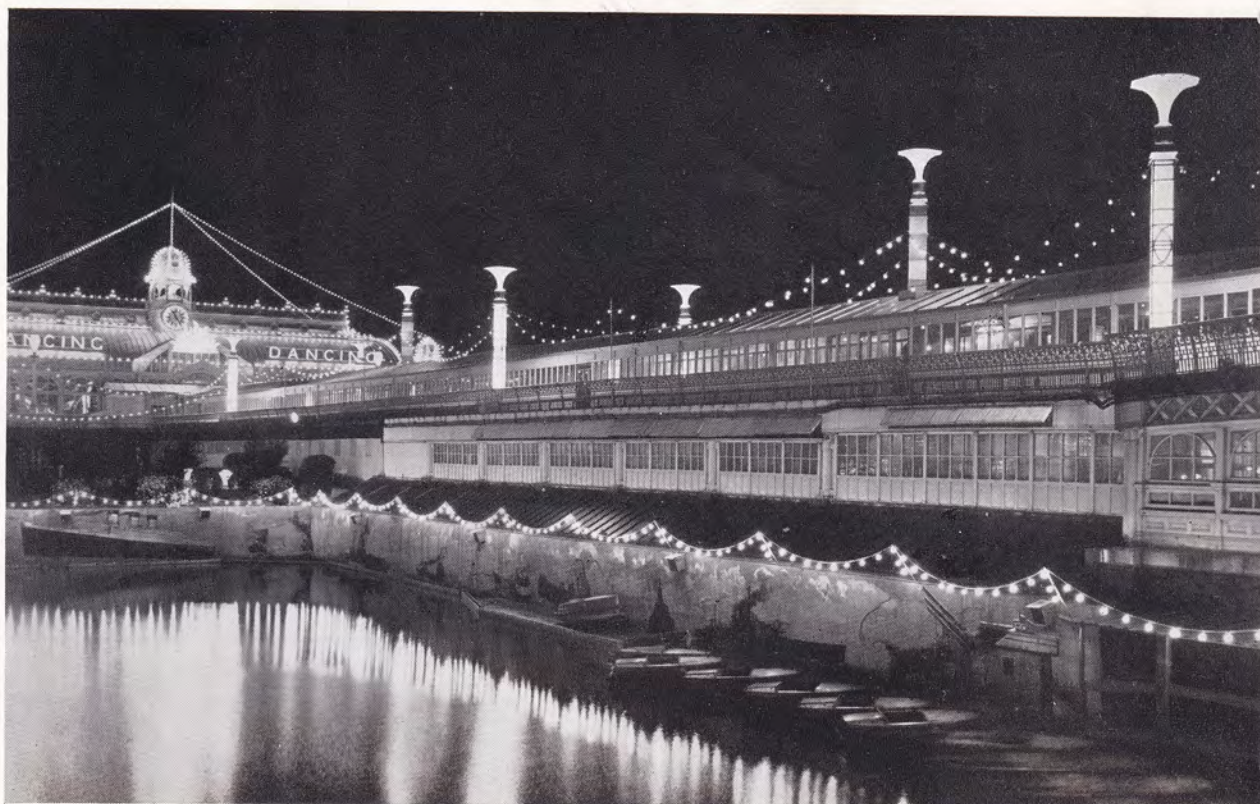
Branches throughout Great Britain and in all principal markets of the world.

Introduction

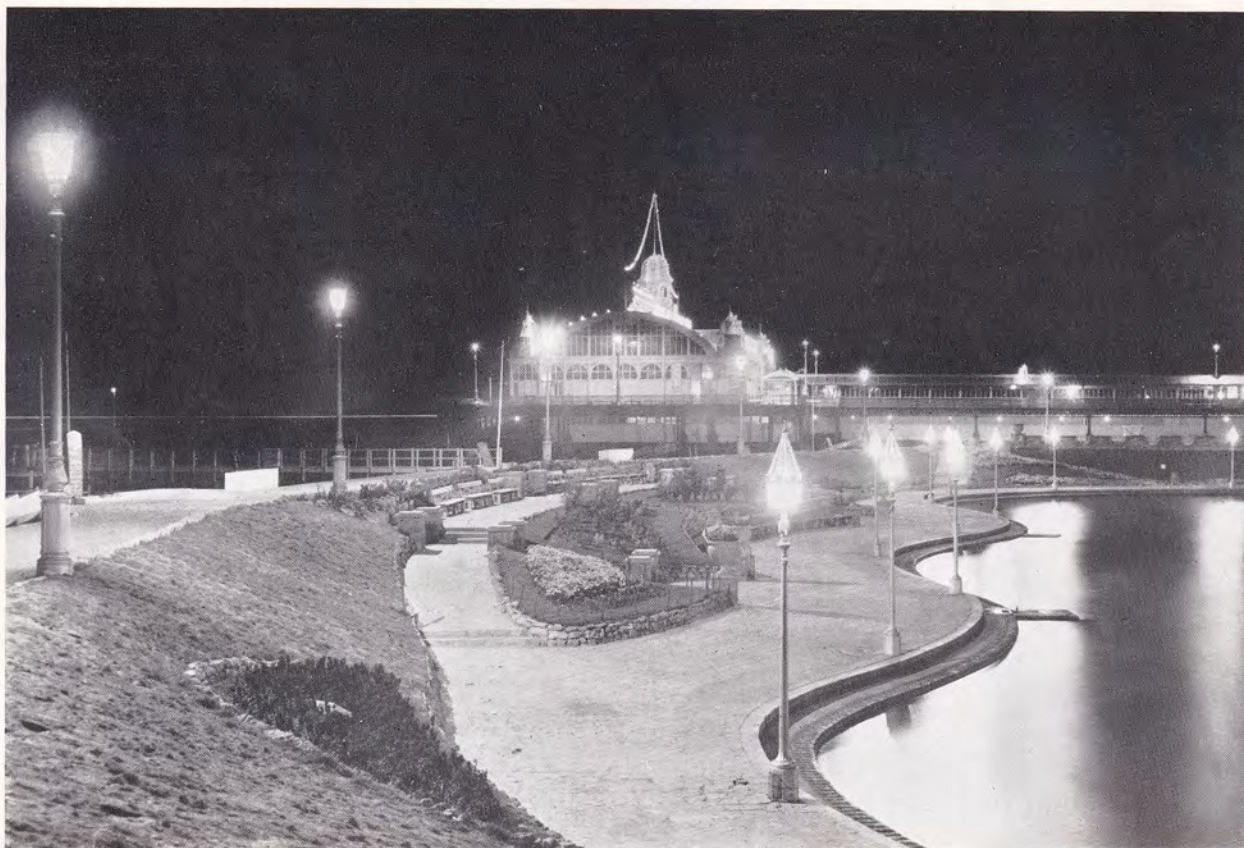
Lighting creates the atmosphere for festive occasions and is indispensable for all the outdoor and indoor activities planned in conjunction with such events. The gaiety of coloured illuminations, the beauty of floodlit buildings, and the practical convenience of adequate lighting in thoroughfares, squares and other open spaces are among the matters to which all concerned with adding to local attractions are giving thought. This publication, we hope, will suggest many new possibilities for festive lighting and show the importance of consultation with experts in this class of work if full advantage is to be taken of the multitudinous resources of modern lighting technique—resources so numerous that a publication of this size can only indicate their extent without elaborating their details. The services of the Company's Illuminating Engineers are at the service of all interested in decorative lighting schemes, and suggestions will be submitted without obligation.

S.E.C.

OUTDOOR DECORATIVE LIGHTING



The Pier at Southend.
Illuminated pylons with
luminous trumpets.



The children's boating
pool, Southend.
Decorative lightship
design lanterns with
rigging and pennants.



Worthing Front, The Main Parade. Decorative Wembley curved panel lanterns and twin - arm decorative bowl and daffodil.

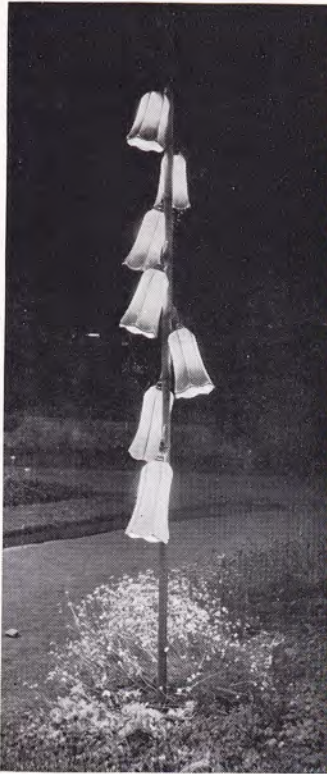
OUTDOOR DECORATIVE LIGHTING



Edinburgh. Princes Street Gardens. Mushroom lanterns on concrete columns.

G.E.C.

DECORATIVE LIGHTING EQUIPMENT FOR PARKS AND GARDENS



Z 5820
CANTERBURY



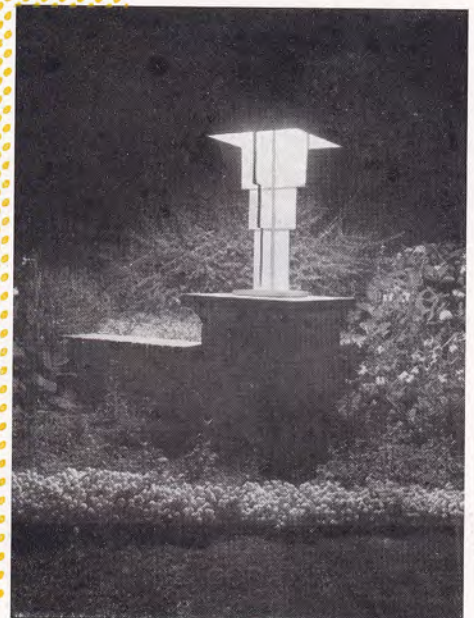
Z 5821
REGIS



Z 5822
PINE



Z 5823
MUSHROOM



Z 5824
PAGODA



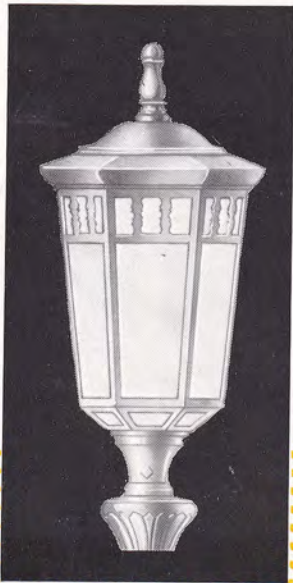
G.E.C.

OUTDOOR
DECORATIVE
LIGHTING

Day and night views of a walk in
Princes Street Gardens.

G.E.C.

DECORATIVE LANTERNS FOR STREET LIGHTING

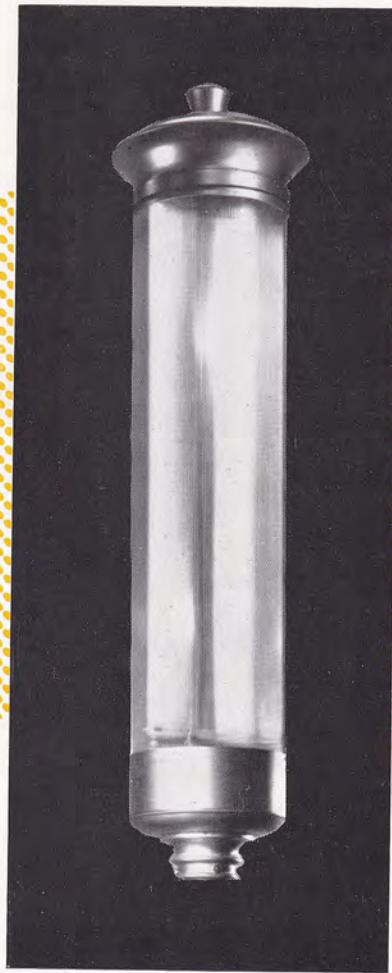


Z 5610

The decorative lighting units illustrated have been designed by the G.E.C. Exterior Lighting Department. Units incorporating coats of arms, crests or other requirements can be designed to order.



Z 5640

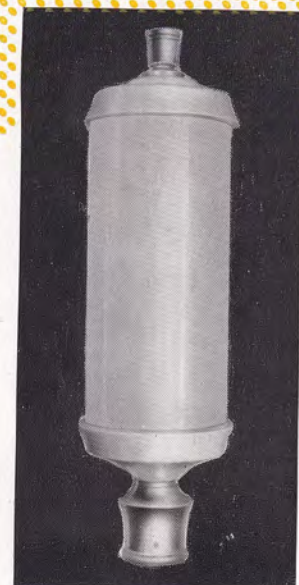


Z 8428

This decorative lantern houses 4 OSRAM 5ft. 80w. fluorescent lamps.



Z 5611



Z 8441

Lantern fitted with 4 OSRAM 2ft. 40w. fluorescent lamps.



Bronze pedestal lantern lighting
a flight of main entrance steps.

Night view of
steps lighted by
the type of
pedestal-mount-
ed balustrade
lantern shown
above.



G.E.C.

OUTDOOR DECORATIVE LIGHTING

Day view of Marylebone Circus, showing part of the G.E.C. installation of 17 twin "Four Eighty" lanterns. Each lantern is fitted with four 80-watt fluorescent lamps.



Over 100 "Four-eighty" lanterns, each fitted with four 5ft.-80-watt Osram fluorescent lamps, are installed in Bognor Regis.

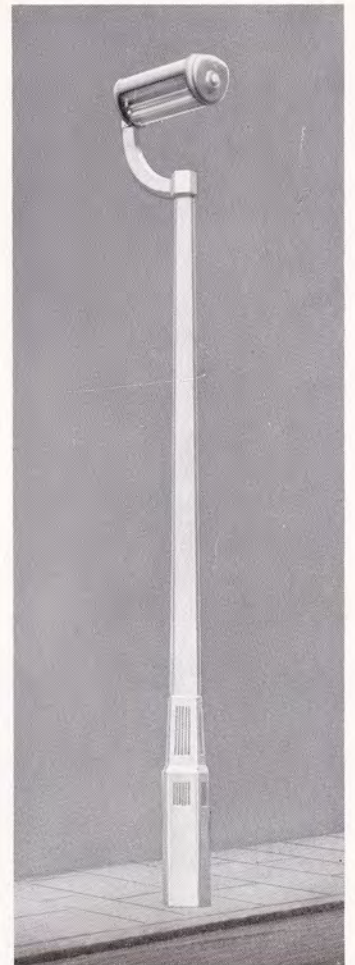
G.E.C. OUTDOOR DECORATIVE



Z 5831
SOUTHEND
GARDENS



Z 5843
PRESTATYN



Z 8241
HOLBORN

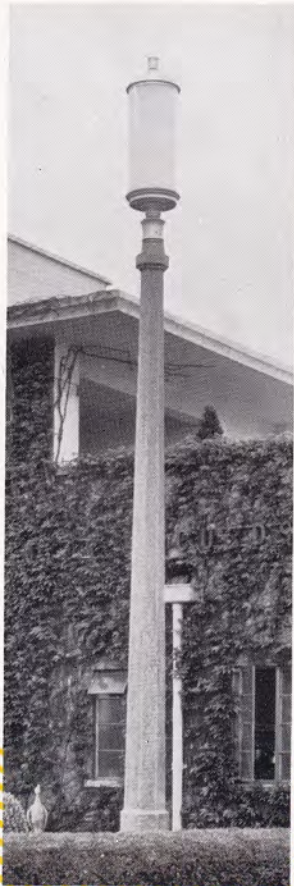


Z 5841
SOUTHPORT
Globe mounted on top of Winter Garden.
Diameter 8 ft.

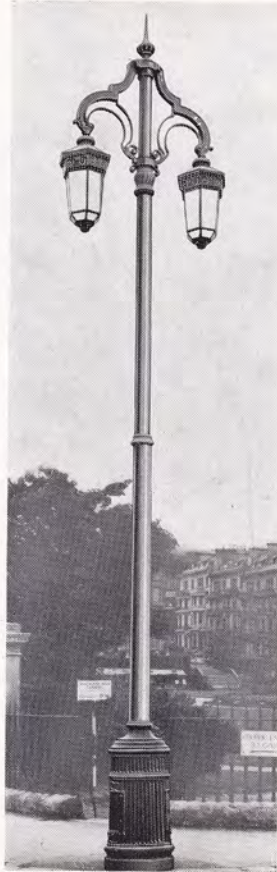
L I G H T I N G E Q U I P M E N T



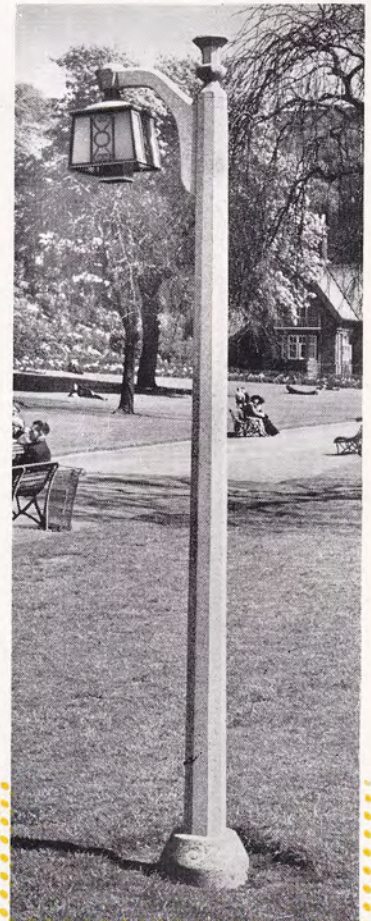
Z 5831
SOUTHEND
Lightship lanterns



Z 8441
Post-Top 'Four-Forty'



Z 5833
HASTINGS



Z D 3639
EDINBURGH

G.E.C. FLOODLIGHTS AND FLOODLIGHTING



An attractive example of garden and waterfall lighting.

The main facade of the Royal Naval College at Dartmouth, illuminated by G.E.C. floodlights.

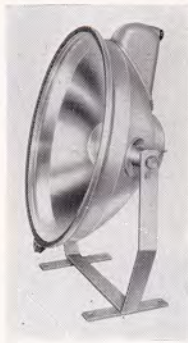


G.E.C. FLOODLIGHTS AND FLOODLIGHTING

The factory of Messrs. Black and Decker Ltd. compels attention as a result of G.E.C. colour floodlighting.



The imposing frontage of Unilever House under G.E.C. floodlighting.



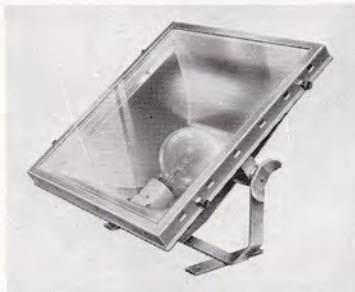
F 69023



F 69027/8



F 69029



F 69042

FLOODLIGHTS

FOR TEMPORARY INSTALLATION

The floodlights illustrated on this page are designed specially for temporary installation and will cover between them practically all normal floodlighting requirements. While constructed with reflectors and housing of cheaper quality than standard G.E.C. floodlights, they will give first-class performance for an appreciable period.

F 69023

The body of this floodlight forms the reflecting surface, and a flat toughened front glass is used. The unit may be used at offset distances up to 100ft.

Approx. size : 24 ins. high, 24 ins. wide, 10 ins. deep. Weight 20 lbs.
Osram lamp : 500, 750 or 1000w. G.L.S.

F 69023 £10. 10. 0

F 69027/8

This is a general purpose floodlight, vitreous enamelled white inside and green outside. There is a domed heat resisting front glass. The floodlight is available in two sizes and arranged for base mounting. It is suitable for area floodlighting where a wide beam is required.
Approx. size :

F 69027 32 ins. high, 20 ins. wide, 15 ins. deep. Weight 20 lbs.
Osram lamp : 500, 750, 1000 or 1500w. G.L.S.

F 69028 21 ins. high, 18 ins. wide, 9 ins. deep. Weight 15 lbs.
Osram lamp : 300w. G.L.S.

F 69027 £9. 0. 0

F 69028 £9. 12. 0

F 69029

This is a narrow beam floodlight of comparatively small dimensions for illuminating small buildings, signs, etc., from a distance.

Approx. size : 18 ins. high, 16 ins. deep, 12 ins. dia. Weight 10 lbs.
Osram lamp : 300w. G.L.S.

F 69029 £6. 8. 0

F 69042

A floodlight for illuminating buildings where the offset available is small. Constructed in sheet steel with aluminium reflector. Similar in distribution to F 69015/6. The front glass is toughened sheet.
Approx. size : 17 ins. high, 18 ins. wide, 17 ins. deep. Weight 14 lbs.
Osram lamp : 500w. or 1000w. Class B.1. Projector.

F 69042 £12. 0. 0

TYPICAL FLOODLIGHTS

All the floodlights shown on the following pages are equipped with highest quality mirror glass reflectors, specially designed to give the ideal distribution of light for their specific purposes. Full technical data are available on request. Prices for colour screens for all units will be quoted on application.

F 69015/6

This floodlight is constructed of copper, with mirror glass sections. A fan shaped beam is produced, and the spacing can be four times the projection distance.

Approx. size :

F 69015 15 ins. high, 20 ins. wide, 19 ins. deep. Weight 26 lbs.
Osram projector lamp : 1000w. Class B.1.

F 69016 13½ ins. high, 18 ins. wide, 17½ ins. deep. Weight 19 lbs.
Osram projector lamp : 500w. Class B.1.

F 69015 £19. 3. 0
F 69016 £21. 10. 0

F 69031

This floodlight is specially designed for the illumination of columns when the floodlight needs to be placed close to the base of the column. The offset distance recommended is 2 to 3 feet. Constructed in copper with mirror glass reflectors.

Approx. size : 8 ins. high, 13 ins. wide, 15 ins. deep. Weight 9½ lbs.
Osram lamp : 250w. Class B.1 Projector.

F 69031 £11. 18. 0

F 69038

This floodlight is intended for the illumination of buildings from medium offset distances of 15 to 40 feet, and buildings 100 feet high may be illuminated.

Approx. size : 19 ins. high, 19½ ins. wide, 18 ins. deep. Weight 26 lbs.
Osram lamp : 1000w. G.L.S.

F 69038 £29. 0. 0

F69017/8/9/20

This is a range of circular floodlights with cradle and base and provided with mirror glass reflector. The body is constructed in copper and focussing adjustment is provided. Each size of floodlight can be supplied with either a narrow beam parabolic or a faceted medium beam reflector.

The offset distance may be 20-50 feet with the faceted mirror, or 30-100 feet with parabolic reflector.

When a class B.2 projector lamp is used a still narrower beam is produced.

Approx. size :

F 69017/8 30 ins. high, 22 ins. wide, 12 ins. deep. Weight 27 lbs.

F 69019/20 31 ins. high, 23 ins. wide, 14 ins. deep. Weight 36 lbs.

Osram lamps : F 69017/8 300w. or 500w. G.L.S.

500w. Class B.2 Projector.

F 69019/20 750w., 1000w. or 1500w. G.L.S.

1000w. Class B.2 Projector.

F 69017 Faceted reflector ... £20. 8. 0

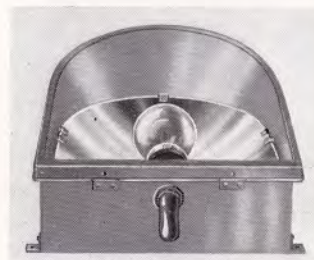
F 69018 Plain parabolic reflector £21. 8. 0

F 69019 Faceted reflector ... £23. 14. 0

F 69020 Plain parabolic reflector £25. 17. 0



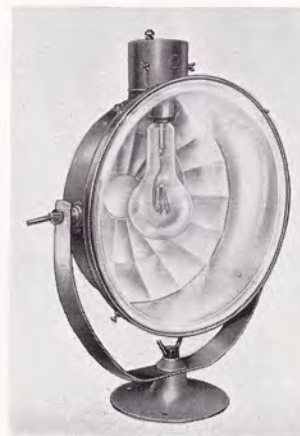
F 69015/6



F 69031



F 69038



F 69017/8/9/20

TYPICAL FLOODLIGHTS

F 69037/69041



F 69037/69041

This is a low power narrow angle floodlight for illuminating small areas from a distance. The body is constructed of spun copper and fitted with a single-piece Georay parabolic reflector. Complete with cradle and base.

Approx. size :

F 69037 17 ins. high, 11 ins. dia., 18 ins. long. Weight 12 lbs.

F 69041 15 ins. high, 9 ins. dia., 12 ins. long. Weight 7 lbs.

Osram lamp : F 69037 200w. G.L.S. or 250w. Class B.1 Projector.

F 69041 100w. G.L.S.

F 69037 £11. 14. 0

F 69041 £ 7. 14. 0

F 69033/5



F 69033/5

These floodlights consist of a cast aluminium alloy body incorporating Georay mirror glass reflectors and circular armour plate front glasses. There are 300w. and 500w. sizes, and focusing adjustment is provided. The floodlights are complete with cradle and base. These floodlights are particularly suitable for marine use or where it is necessary for them to be resistant to salt water.

Approx. size :

F 69033 21 ins. high, 15 ins. wide. Weight 28 lbs.

F 69035 30 ins. high, 18 ins. wide. Weight 44 lbs.

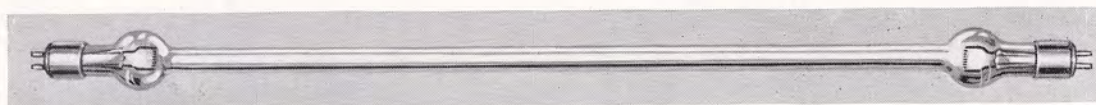
Osram lamp : F 69033 300w. G.L.S.

F 69035 500w. G.L.S.

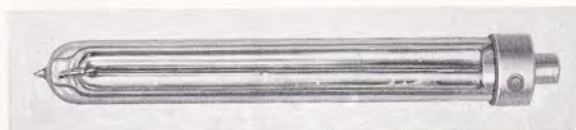
F 69033 £18. 10. 0

F 69035 £31. 0. 0

Osram COLOURED FLOODLIGHTING LAMPS



RED, 400w.	Price £4. 0. 0
GREEN or LIGHT BLUE, 250w.	„ £4. 0. 0



SODIUM (Yellow) 85w.	Price £3. 15. 6
SODIUM (Yellow) 140w.	„ £4. 8. 0

For 250w. and 400w. mercury lamps see page 36.

COLOURED FLOODLIGHTING UNITS

F 69101

These floodlights are suitable for use with Osram coloured floodlighting lamps where alternating current of 230-250v. 50 cycles is available. The housing is constructed in sheet metal on adjustable end brackets and fitted with mirror glass reflectors. The floodlights are intended for use comparatively close to the building to be illuminated and may be used at a spacing distance of five times the offset distance.

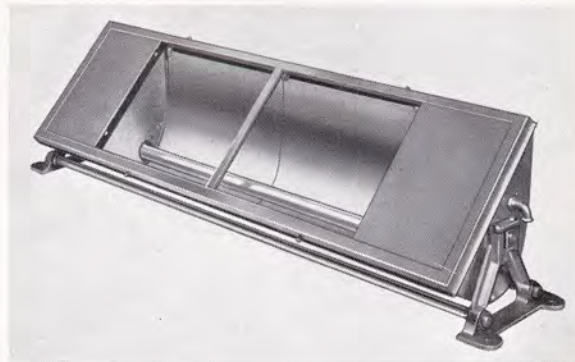
Approx. size : 12½ ins. high, 60 ins. long, 14½ ins. deep. Weight 124 lbs.

Osram lamps : 400w. red floodlighting lamp.
250w. blue or green floodlighting lamp.

One F 8117 choke is required and for correction of power factor one F 8521 80mfd capacitor should be used.

Separate housing is required for choke and capacitor.

F 69101	Floodlight	£46. 8. 0
F 8117	Choke	£ 7. 10. 0
F 8521	Capacitor	£ 4. 16. 4



F 69101

F 69102

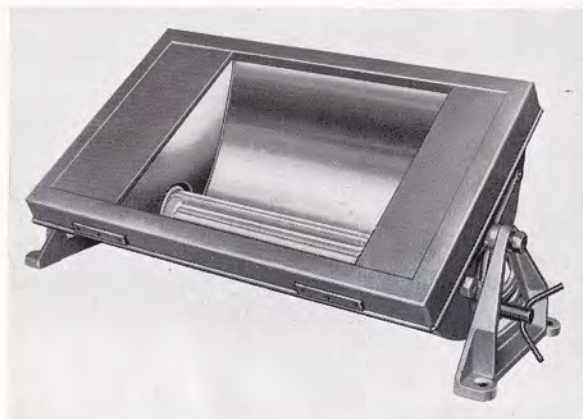
This floodlight is designed for use with the 85 watt Sodium lamp and has similar characteristics to the F 69101.

Approx. size : 11 ins. high, 27 ins. long, 14 ins. deep. Weight 26 lbs.

Osram lamp : 85w. Sodium.

The transformer is F 8804 leaky flux type; the capacitor F 8519 for 200/220v. and F 8520 for 230/250v. Separate housing is required for transformer and capacitor.

F 69102	Floodlight	£12. 15. 0
F 8804	Transformer	£ 4. 15. 4
F 8519	Capacitor	£ 1. 13. 4
or F 8520	Capacitor	£ 2. 4. 4



F 69102/3

F 69103

This floodlight is similar to F 69102 but for use with the 140w. Sodium lamp. Space is provided in the floodlight for the transformer but the capacitor is mounted remotely.

Approx. size : 11½ ins. high, 40 ins. long, 12½ ins. deep. Weight 44 lbs.

Osram lamp : 140w. Sodium.

The transformer is the F 8801 leaky flux type, and the capacitor is the F 8512 for 200/220v. and F 8513 for 230/250v.

F 69103	Floodlight	£24. 5. 0
F 8801	Transformer	£ 5. 12. 8
F 8512	Capacitor	£ 2. 17. 4
or F 8513	Capacitor	£ 3. 18. 0

F 69104

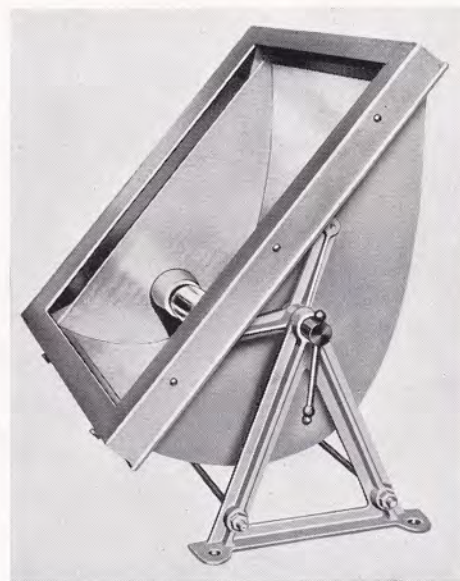
This floodlight is designed for the 250w. or 400w. Osram mercury lamp used horizontally without deflector. The projection distance from the building is similar to that for the three floodlights described above and the spacing offset ratio may be as much as 5 to 1.

Approx. size : 23½ ins. long, 22 ins. high, 11 ins. deep. Weight 45 lbs.

Osram lamp : 250w. or 400w. mercury.

The control gear for the 250w. lamp is F 8111 choke and F 8518 capacitor, while the gear for the 400w. lamp is F 8112 choke and F 8519 capacitor. In both cases the gear is mounted remotely.

F 69104	Floodlight	£22. 12. 0
F 8111	Choke	£ 4. 10. 0
F 8518	Capacitor	£ 1. 7. 8
or F 8112	Choke	£ 5. 3. 4
F 8519	Capacitor	£ 1. 13. 4



F 69104



Blackpool Casino.



The Empire Theatre,
Leicester Square.



The two illustrations on this page are typical installations manufactured and erected by our Associated Company, Claude General Neon Lights Limited, the largest manufacturers of neon displays in the country.

The illustrations incorporate the latest CLEORA Fluorescent tubing. These high efficiency discharge tubes are available in a wide range of new colours.

Installations may be hired on hire maintenance terms or purchased outright.

The Company will welcome applications for further particulars, designs and demonstrations.



G.E.C.

FOUNTAIN
LIGHTING

Illuminated fountains can form spectacular centre pieces to any scheme of lighting, large or small, and never fail to attract admiration and attention. The G.E.C. can design and supply all such equipment with the exception of the basin.



G.E.C.

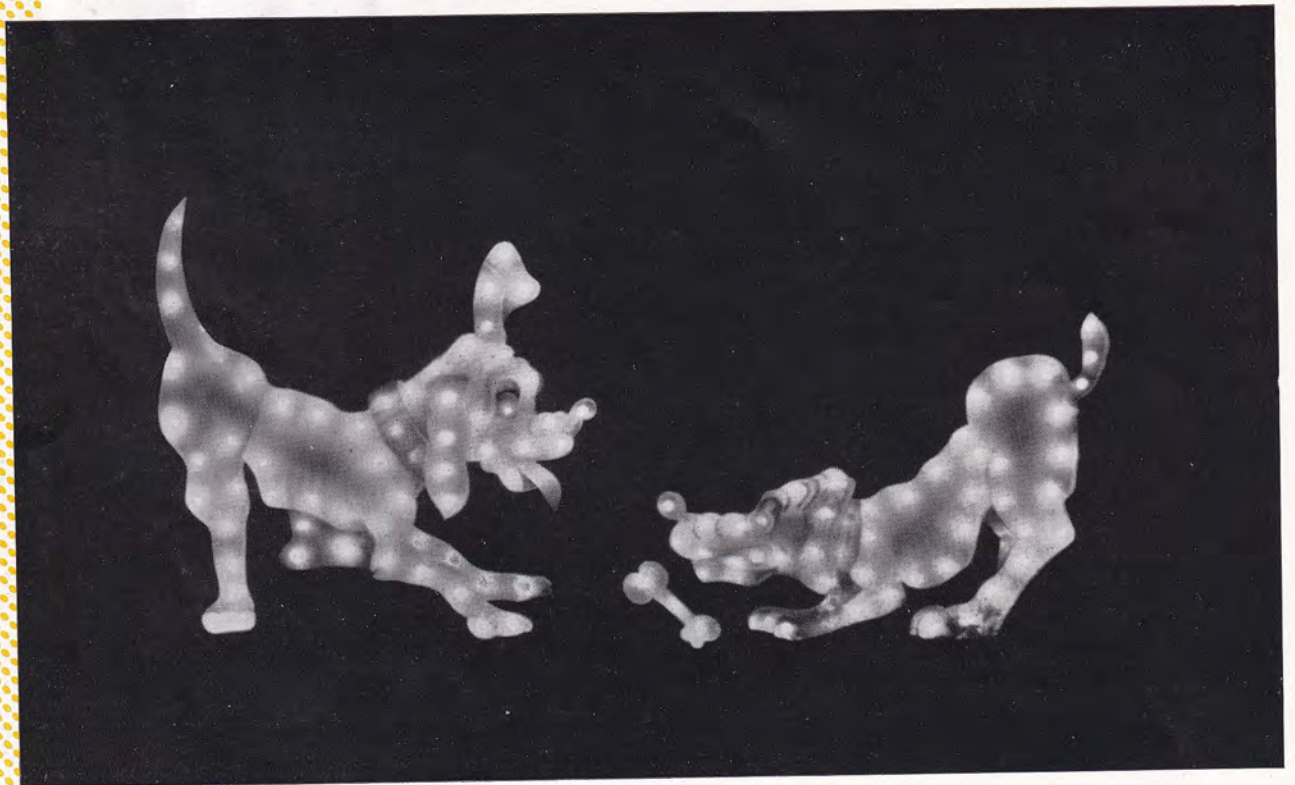
ANIMATED FEATURES

Animated figures or designs made up of coloured lamps are among the most generally popular features of a festive lighting display.

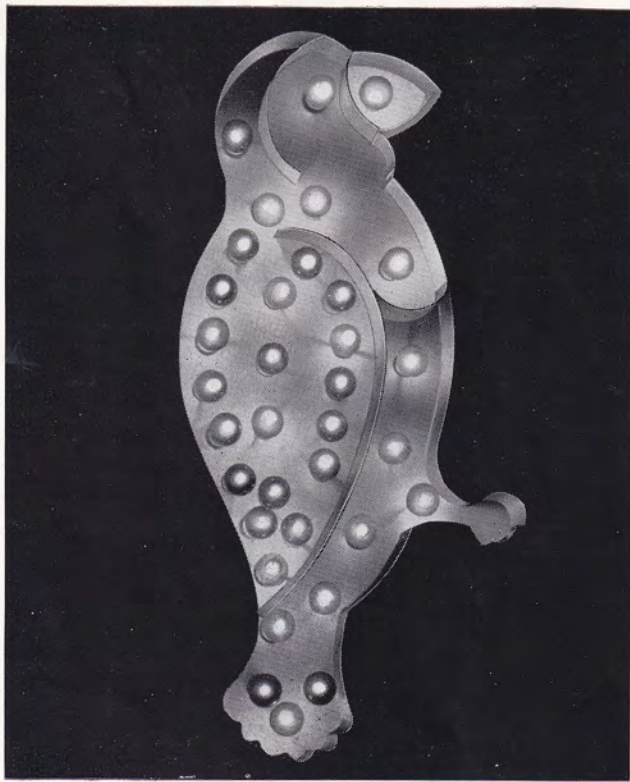
These features are constructed from lead-coated sheet steel made into trough compartments each with its own illumination. The metalwork is painted in brilliant colours to give a cheerful effect. The features are suitable for use out of doors, all connections being sealed in bitumen.

Animation is achieved by means of thermal-magnetic flashers, where a definite sequence is not required as in the Kaleidoscope; by motor-driven flashers, as for the peacock; or by a scintillator in the case of the butterfly.

The features on this and the two following pages are but a few of the many designs available and our Illuminating Engineering Department will be pleased to supply designs to customers' requirements.



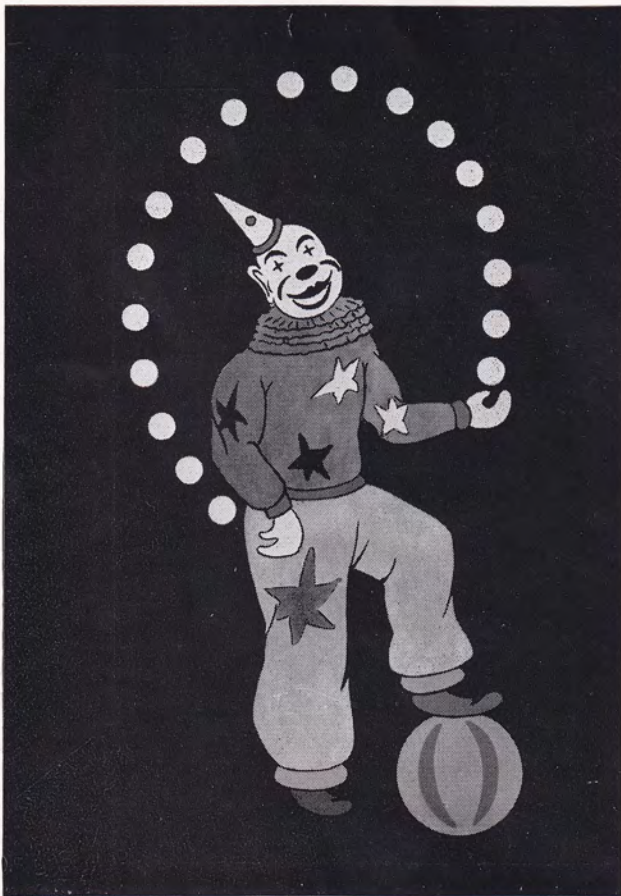
Dogs with Bone (Animated).



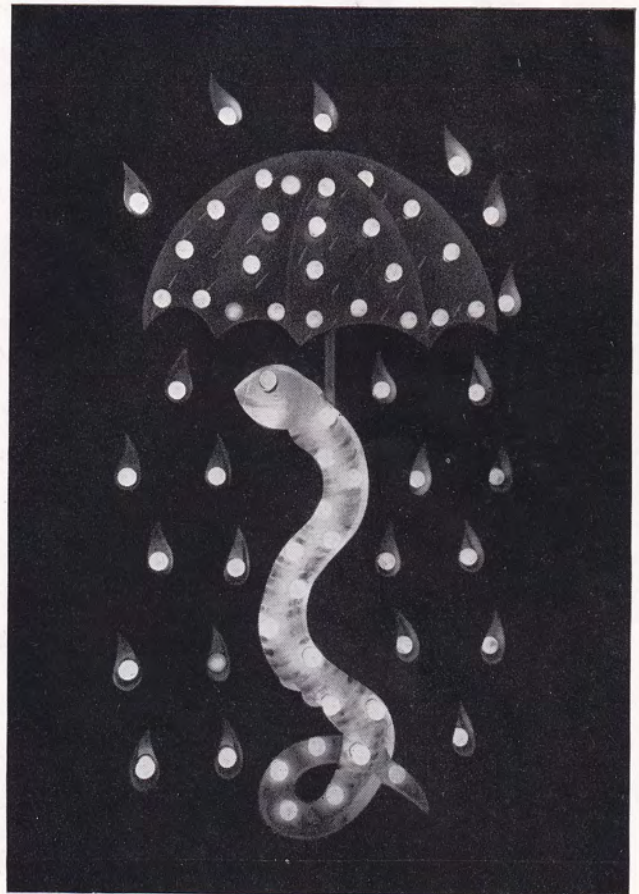
Parrot (Non-Animated).



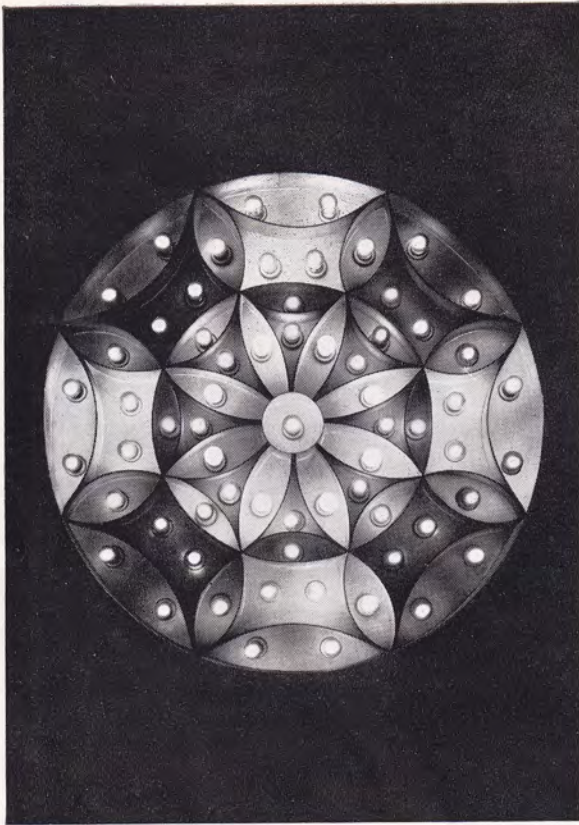
Fighting Cats (Animated)



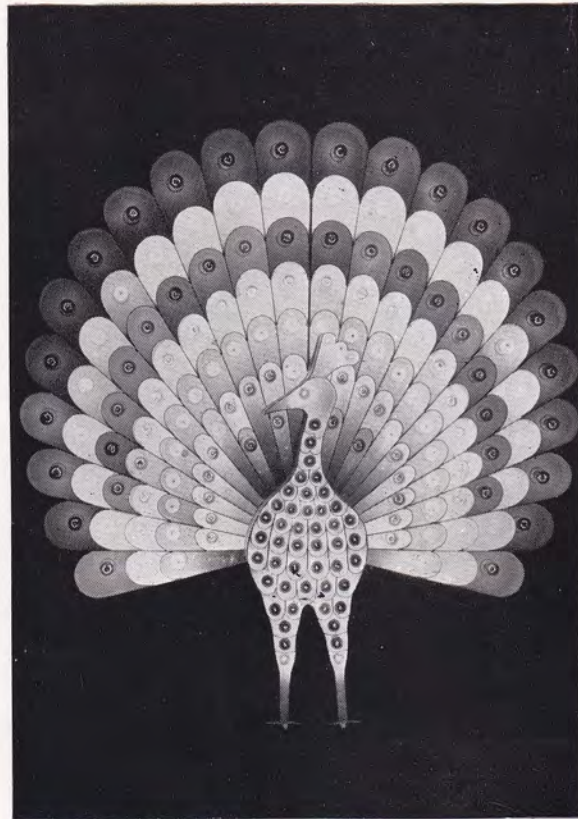
Juggler (Animated).



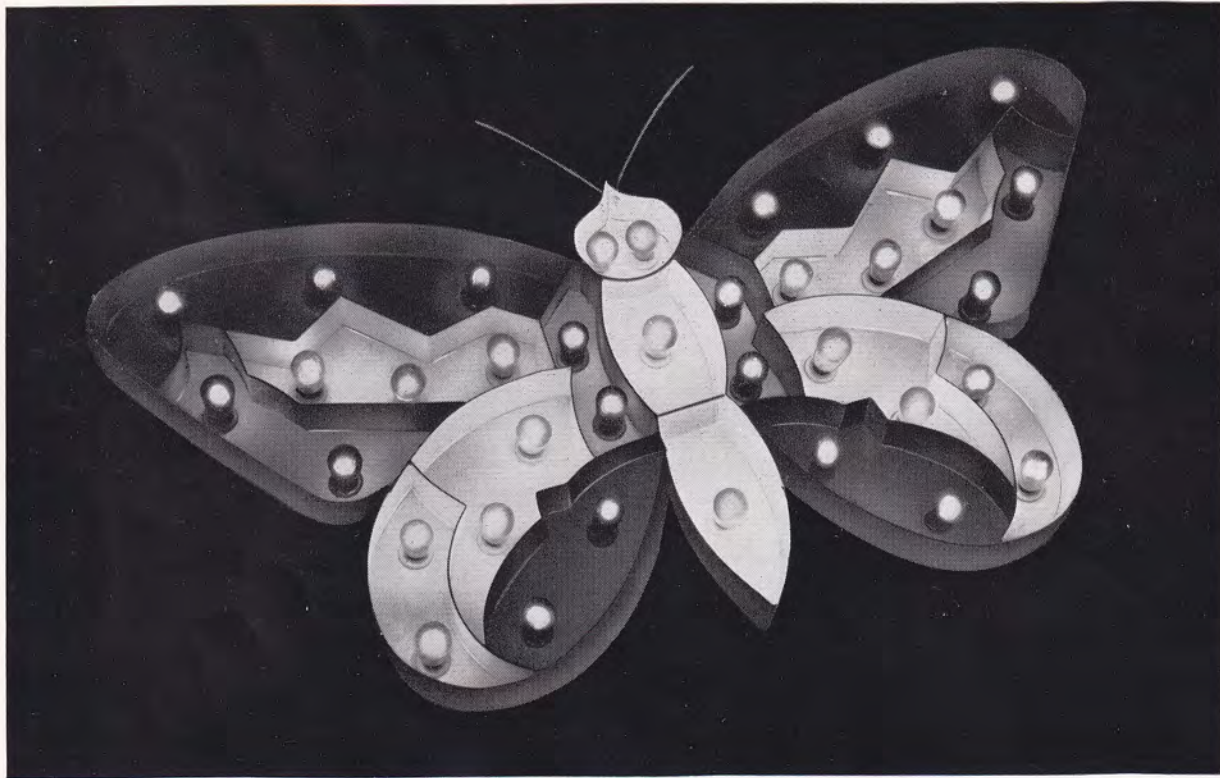
Worm in the Rain (Animated).



Kaleidoscope (Animated).



Peacock (Animated).



Butterfly (Scintillating).

G.E.C.

INTERIOR DECORATIVE LIGHTING

An attractive installation of
concealed lighting.



An amusement
arcade, showing
several forms of
cold cathode
lighting.



G.E.C.

L I G H T I N G F O R



Indirect cold cathode lighting at the Clarendon Restaurant, Hammersmith.

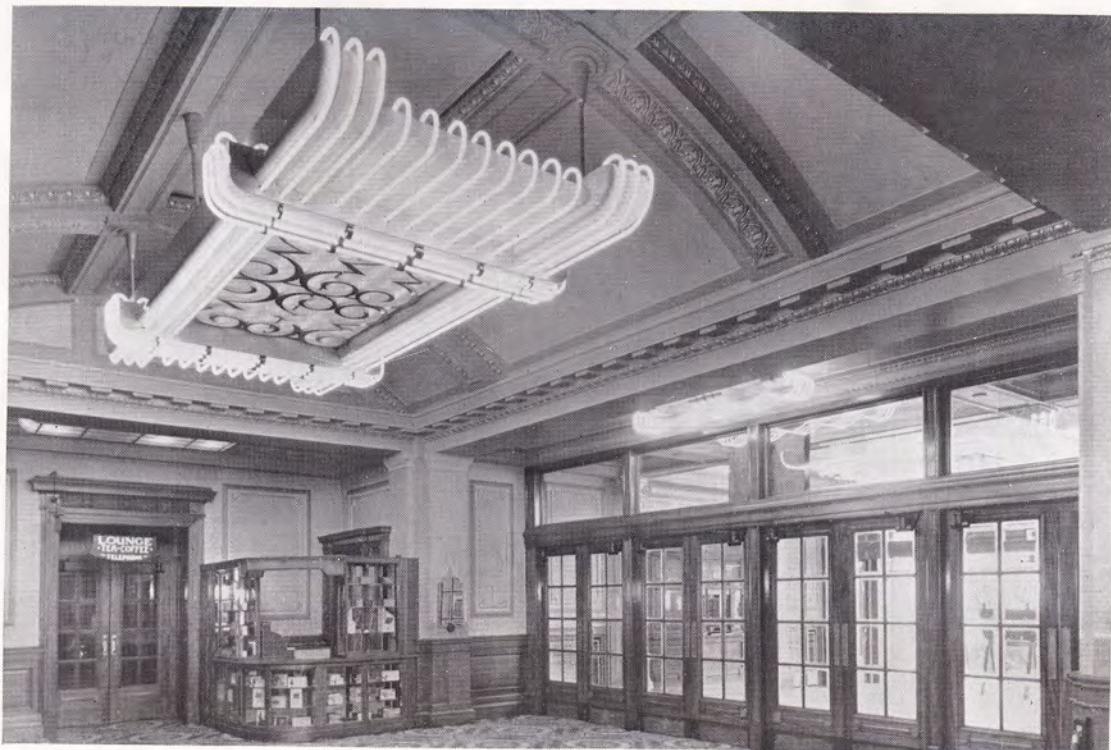


The ballroom of the Royal Star Hotel Maidstone, with colour-change lighting in three colours

I N T E R I O R D E C O R A T I O N



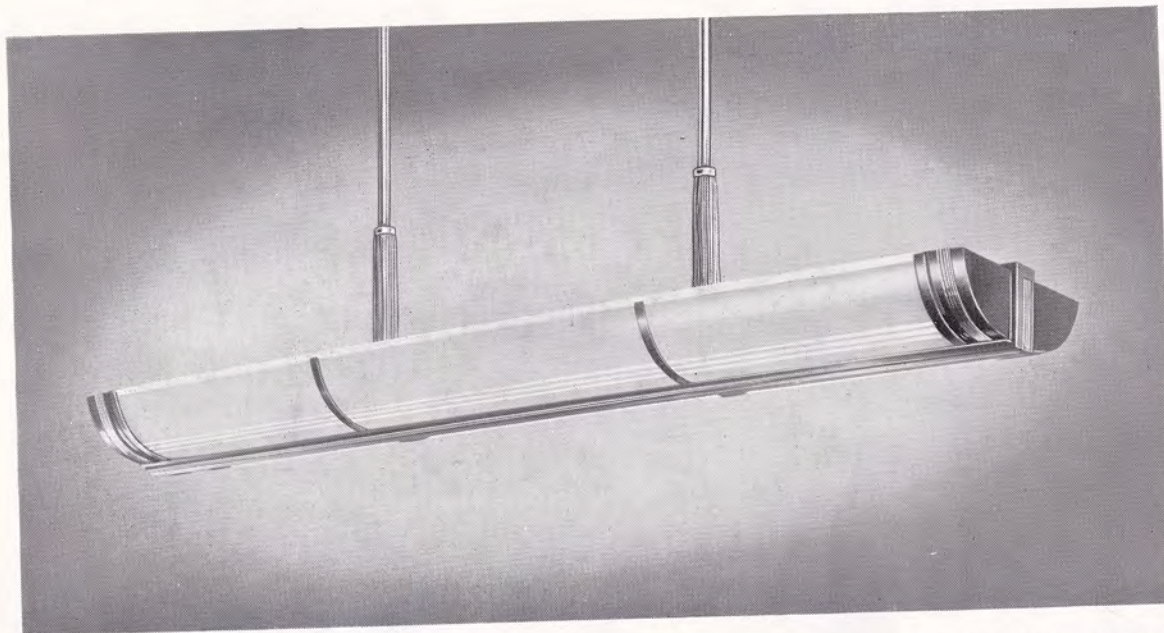
Built-in lighting in the Cocktail Bar of the Royal Albion Hotel, Brighton.



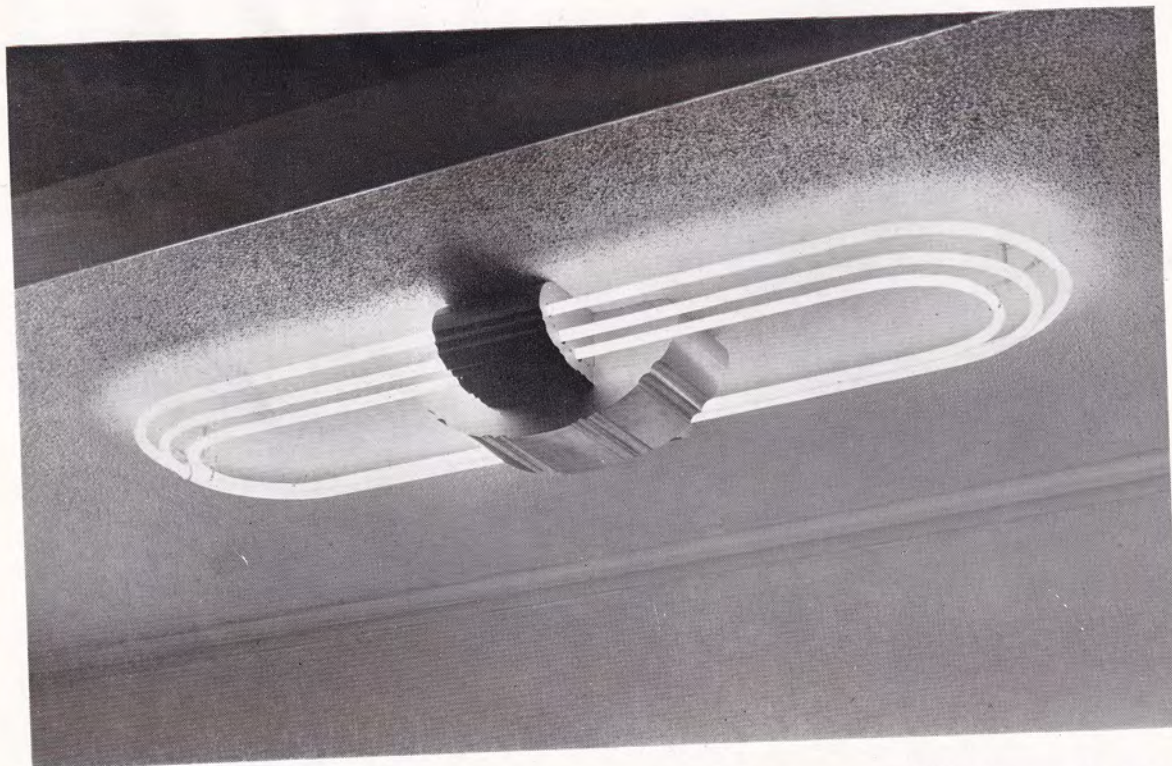
Foyer lighting at the Playhouse, Edinburgh.

G.E.C.

DECORATIVE LIGHTING



FY 8038 Real bronze colour pendant with satin silver relief and champagne or pink glass, arranged for two 5ft. 80w. fluorescent lamps. Price on application.



FY 7064. Cold cathode fitting with gilt colour metal work and arranged for white or white and gold lamps. Price on application.

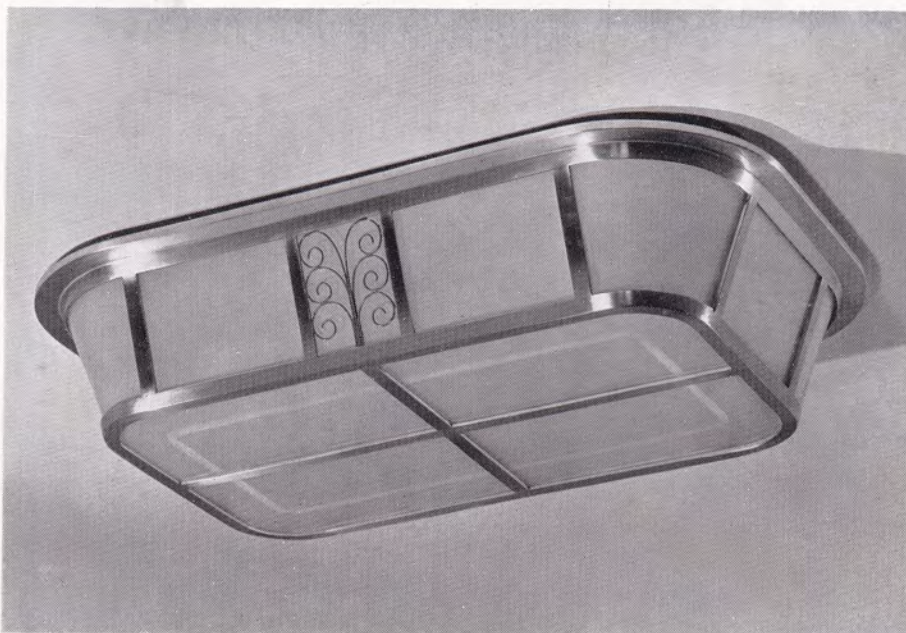
EQUIPMENT FOR INTERIORS



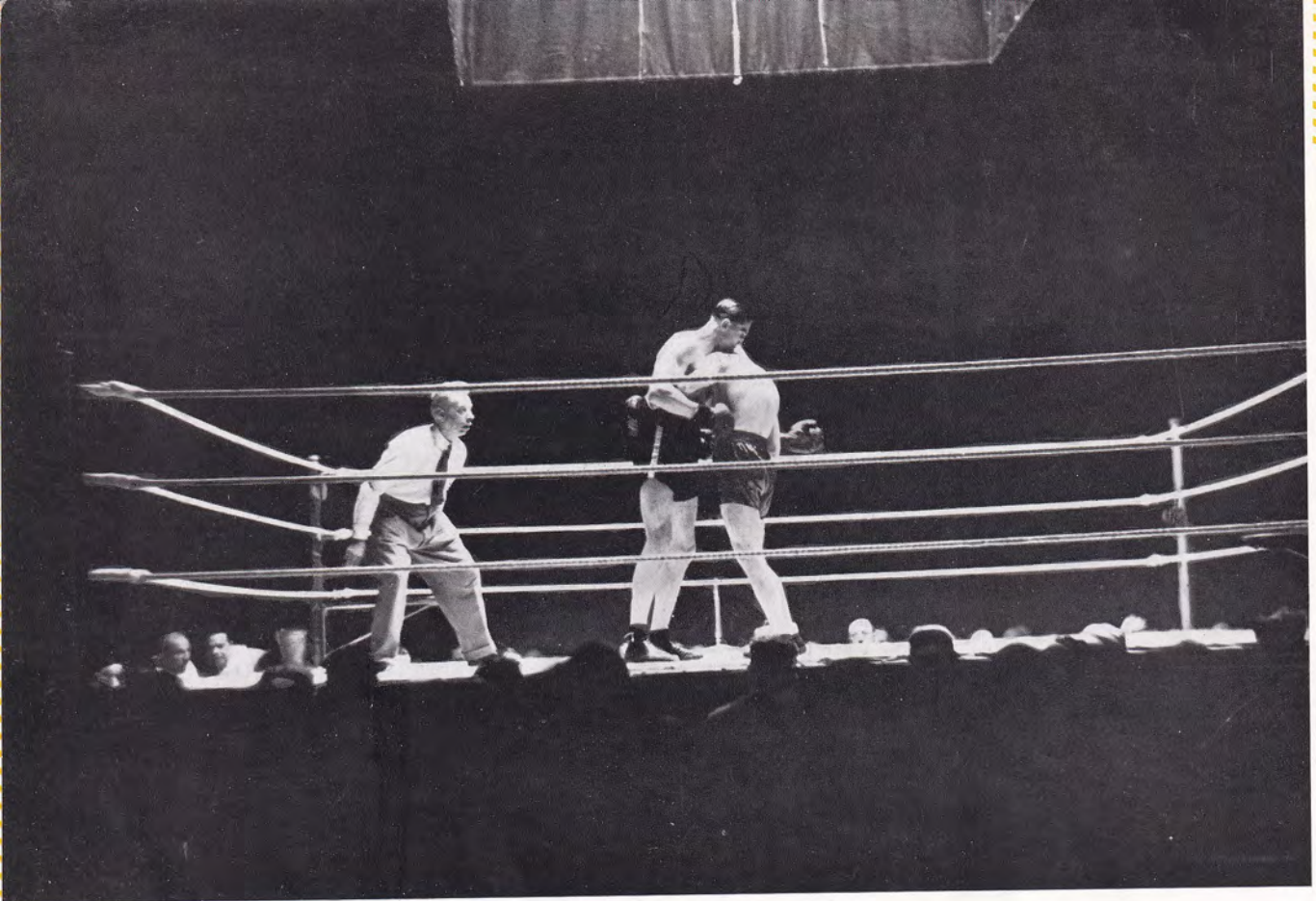
F 30031. Satin silver pendant with champagne and white glass. Decorative frets in green. Diameter 24 ins., length 36 ins. Arranged for 1 × 100w. and 6 × 60w. lamps.
£45 . 0 . 0 each complete.
 Purchase Tax **£11 . 5 . 0** extra.



F 34021. Satin silver pendant with green relief and peach mirror bowl. Spread 23 ins., length 36 ins. Arranged for 6 × 60w. and 3 × 25w. lamps.
£30 . 0 . 0 each complete.
 Purchase Tax **£7 . 10 . 0** extra.



F 36074 Satin silver ceiling fitting with green relief and glazed with champagne glass. Size 30 ins. × 20 ins. Arranged for 9 × 60w. lamps.
 Price on application.



BOXING



TENNIS

G.E.C.

**S P O R T S
L I G H T I N G**

PUTTING



BOWLING

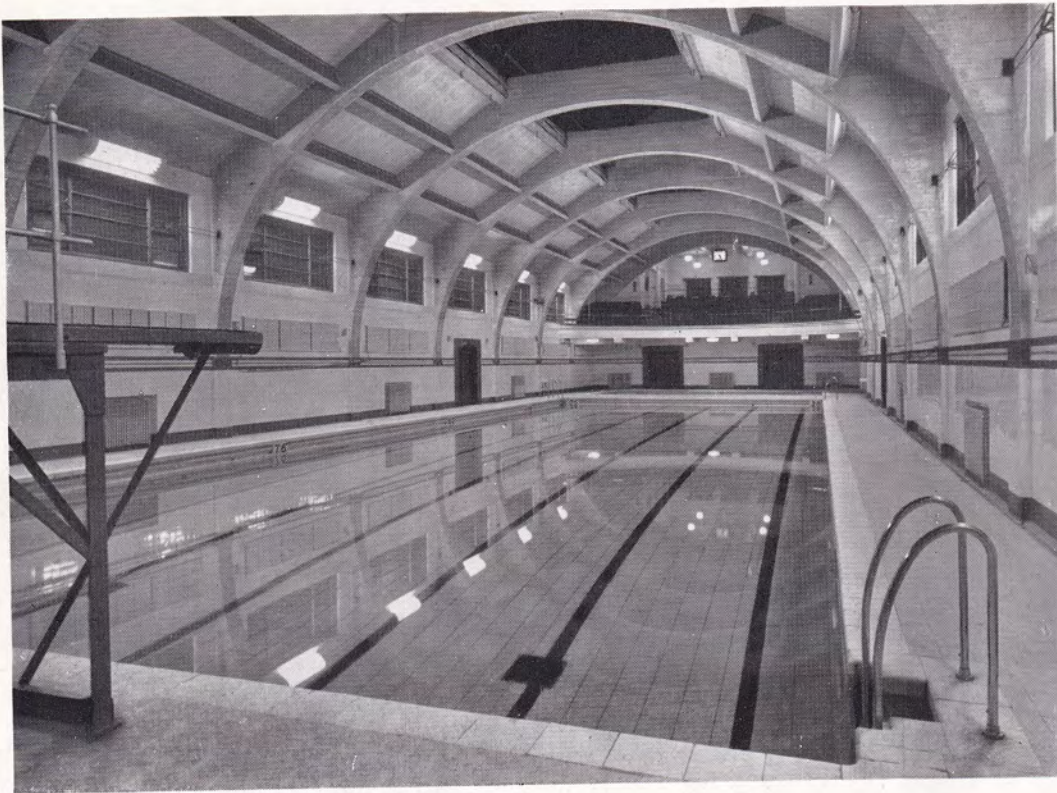


SPORTS GROUND

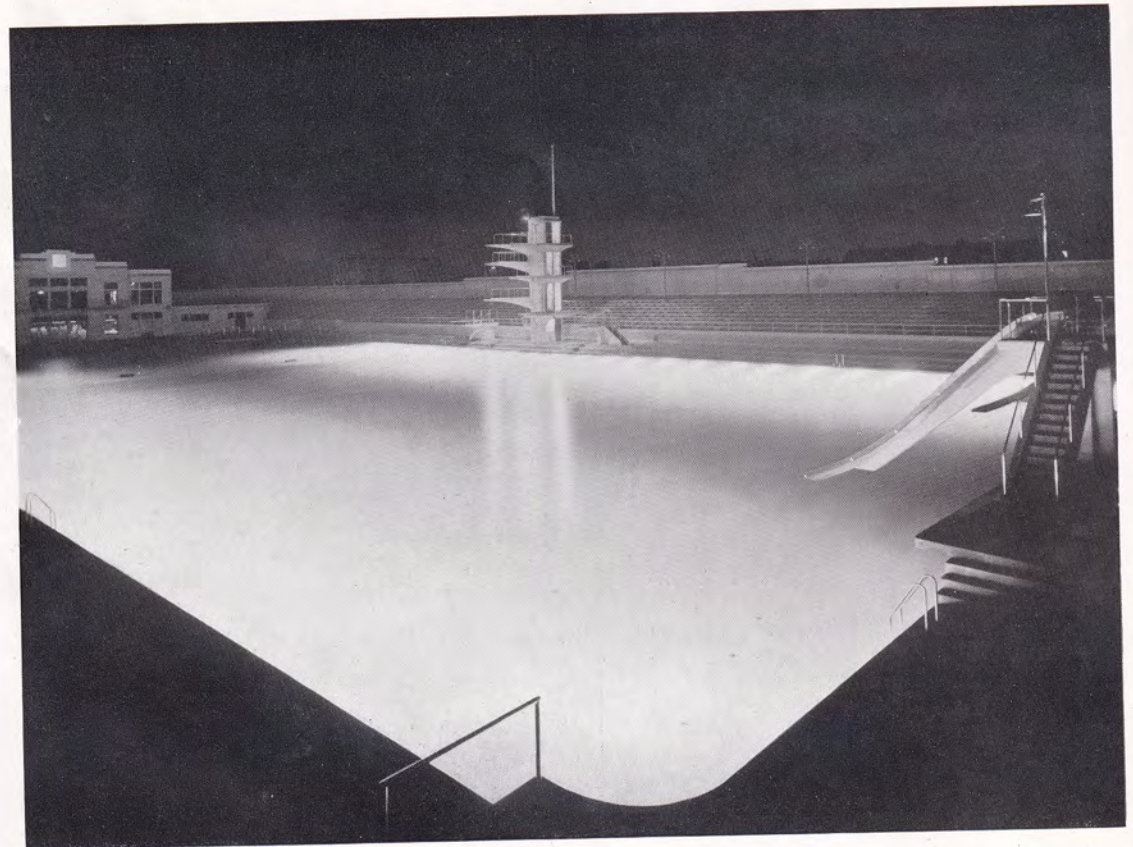
G.E.C. lighting enables various sports and pastimes to be continued during the hours of darkness. The Company's illuminating engineers have carried out many schemes similar to those illustrated and are at the service of all who are interested in such an installation.



S P O R T S L I G H T I N G

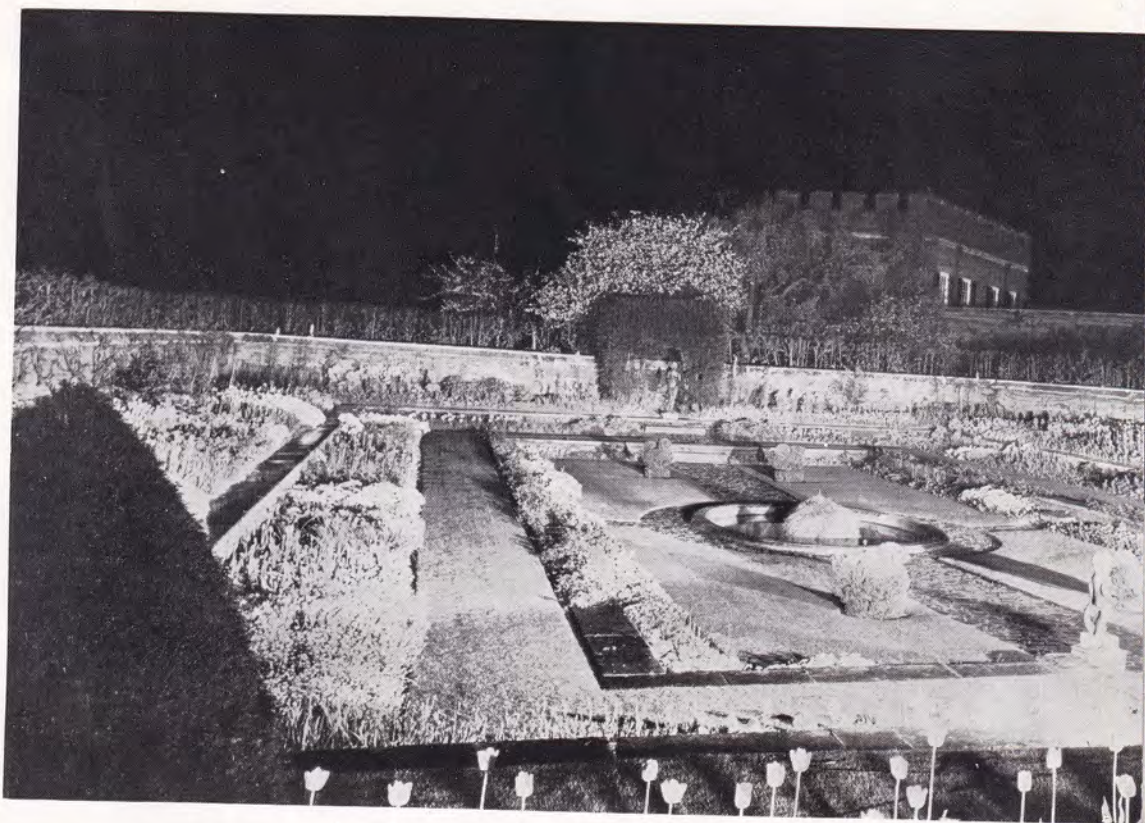


INDOOR
SWIMMING



OUTDOOR
SWIMMING

These are but two examples of garden lighting devised by G.E.C. illuminating engineers to give dramatic night effects.





Savoy Hotel, London

S.E.C.
HOTEL AND CLUB
LIGHTING



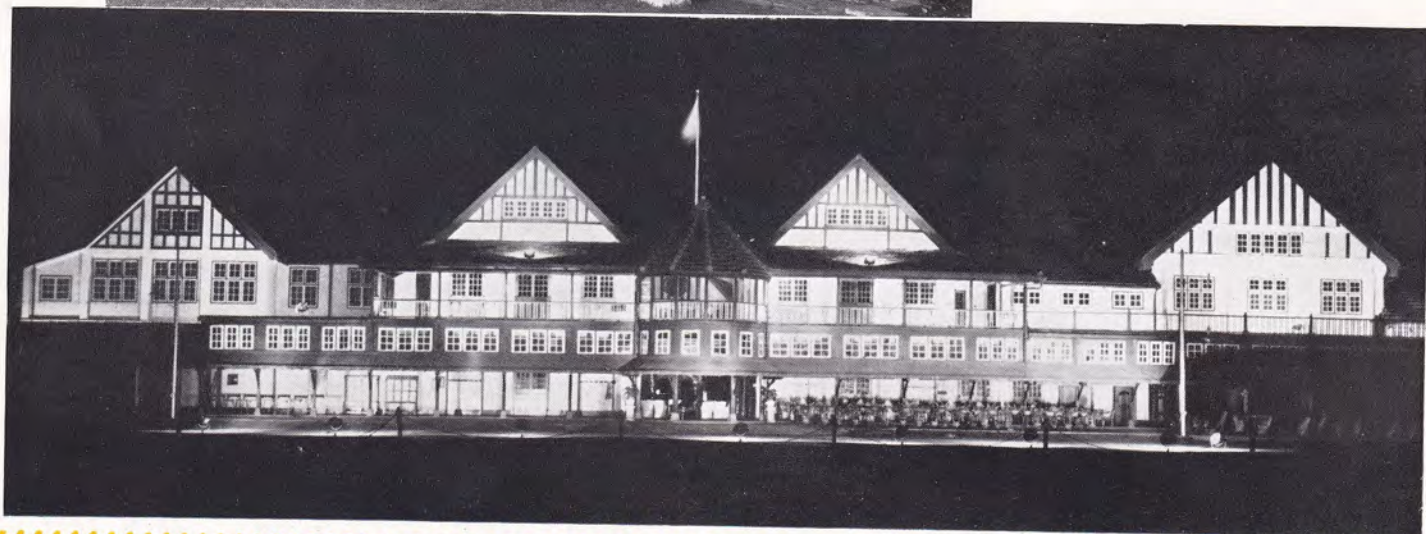
White Hermitage Hotel,
Bournemouth.

The Athenaeum
London.



An example of roadhouse
floodlighting.

Bombay Gymkhana Club.



G.E.C.

SOUND REPRODUCTION

The G.E.C. range of Sound Equipment is designed to cover the needs of entertainment, industrial and commercial applications. The material listed below is of the portable and transportable type, but whatever your requirements in Sound Reproduction, the G.E.C. will be able to supply your need.



BCS 2352
18-watt Radio Receiver

RADIO AMPLIFYING EQUIPMENT

	£	s.	d.
1 BCS 2352 G.E.C. 18 watt Industrial Radio Receiver	47	10	0
P.T. extra	2	10	0
1 BCS 1680/1700 Projector Horn Assembly	13	10	0
	£63	10	0



BCS 1680
Speaker Unit with BCS 1700 Horn

This equipment, which will operate from an A.C. mains supply of 200 to 250 volts, 50-100 cycles, will provide sufficient output for an audience of 500 to 1,000. The radio receiver is of a type designed to give world-wide reception wherever it is installed, and is therefore particularly suitable for use overseas.



BCS 2285 Microphone
with BCS 2287 Handle

MICROPHONE AMPLIFYING EQUIPMENTS

G.E.C. Battery Operated Portable Amplifying Equipment comprising :

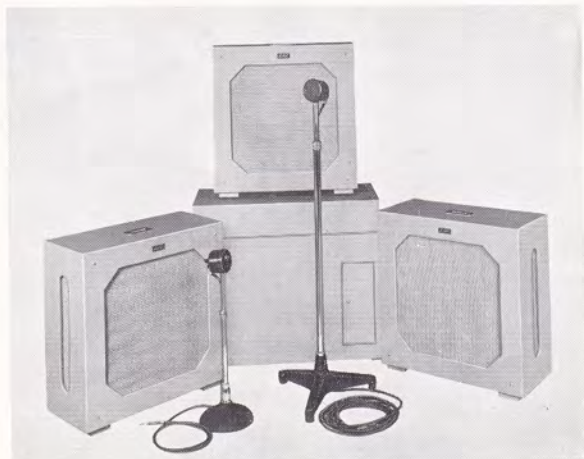
	£	s.	d.
BCS 2285/G.E.C. Moving Coil Microphone Head	5	10	0
BCS 2287 Handle for above	1	2	6
BCS 2405B G.E.C. 3 watt 6 volt Battery amplifier	15	0	0
BCS 1680/1700 Projector Horn assembly	13	10	0
	£35	2	6



BCS 2405B
3-watt Mobile Amplifier

This equipment is one of the simplest and most efficient outfits for public speeches, since it may be used indoors or in the open independent of any mains supply. The output will carry approximately 200 yards under normal conditions.

The G.E.C. can also supply 20 watt mobile amplifiers, Cat. No. BCS 2425, which operate from 12 volt battery supplies. Price **£39. 10. 0**



20/30 WATT TRANSPORTABLE SOUND EQUIPMENT

This equipment can be very quickly put into operation and can be carried in a small car. Two models are available, with outputs of 20 and 30 watts respectively, and operation is from any 200/250 volt 40/60 c/s A.C. mains or converter supply. It is specially suitable for garden parties, fetes, banquets, conventions, meetings, auction sales, flower shows, temporary theatre requirements, etc.

Prices on application



MERCURY BLACK GLASS LAMP

(GROUP IX) TYPE MBW/U

With Ultra-Violet Transmitting Bulb.

Practically all visible radiation is absorbed by the "black glass" bulb and the radiation permitted is restricted to the band of wavelengths between 3200 and 4000 angstrom units, with a peak of 3650A.

The lamp can be used to excite fluorescence in objects sympathetic to these particular wavelengths, i.e. fluorescent paints and dyes.



Watts	Dimensions M/M			Standard voltages 200/210 220/230 240/250
	Diameter	Overall length	Light centre length	
125	90 ± 1	178 ± 5.5	128 ± 5	£ s. d. 3 3 0

Standard Cap 3 pin B.C.

FLUORESCENT PAINTS AND DYES

Highly effective displays can be obtained by the use of fluorescent powders and dyes in conjunction with OSRAM black glass lamps.

PAINTS

These can be made from G.E.C. powders which are available in a comprehensive range of colours extending from a rich red to deep blue and pale mauve. Murals treated with paint made from G.E.C. fluorescent powder give an unusual effect when activated by the rays of the OSRAM black glass lamp. Further details on application.

DYES

Certain synthetic dyes in solution, fluoresce vigorously when subjected to the ultra-violet light transmitted by the OSRAM black glass lamp. Aquatic displays to which small quantities of such dyes have been added, take on a most unusual appearance when bathed with ultra-violet light.

Below is given a list of dyes most suitable for use in fountains, etc., together with the colours of fluorescence.

Rhodamine ...	...	...	...	...	} Pink Orange
Acrodine ...	...	...	...	...
Fluorescein ...	...	...	...	...	Intense Blue
Eosin ...	...	...	...	...	Intense Greeny-Yellow
Uranium Acetate ...	...	...	...	...	Yellow
Quinine Sulphate ...	...	...	...	...	Yellowy-Green
					Pale Blue

Materials treated with the dyes mentioned above can be employed for shop window displays and stage effects, and it will be found that fabrics treated thus have a most pleasing effect under both normal and "Black Glass" light.

Osram LAMPS

FLUORESCENT

(GROUP IX) TYPE MCF/U

Lamp		Available Colours					Cap.	List Price		P.T. Extra	
								s.	d.	s.	d.
1½ft.	15w.	Natural or Mellow	..	..	..	..	Bi-pin	11	6	3	0
2ft.	20w.	Natural or Mellow	..	..	..	..	"	12	6	3	3
2ft.	40w.*	Natural or Mellow	..	..	..	..	"	13	0	3	5
3ft.	30w.	Natural or Mellow	..	..	..	..	"	13	0	3	5
4ft.	40w.*	Natural, Daylight or Mellow	..	..	..	..	"	14	0	3	8
		Colour Matching	..	..	..	..	"	15	6	4	0
		Natural, Daylight or Mellow	..	..	..	..	B.C.	15	6	4	0
		Colour Matching	..	..	..	..	"	17	0	4	5
5ft.	80w.*	Red, Blue, Green or Yellow..	..	..	..	..	"	20	0	5	3
8ft.	125w.	Natural	..	..	..	..	"	32	6	8	5

* INSTANT START. These lamps are available for use with instant start gear, List Price plus 1/- each extra; P.T. plus 3d. extra.
Lamp wattages are nominal and exclude gear losses.
When ordering please state length, wattage, colour required and whether for instant start gear.

MERCURY

(GROUP IX)

The standard lamps are made for burning in the cap-up position only, but, if specially ordered, lamps can be supplied for burning horizontally or cap-down.

PRICES, LIGHT OUTPUT AND DIMENSIONS

Standard Voltages	Watts	Average lumens throughout life	Overall length		Overall diameter		Distance from contact on cap to the centre of the discharge		Standard cap	Price per Lamp		
			m/m	ins.	m/m	ins.	m/m	ins.		£	s.	d.
200/210	80	2480	160 ± 4.5	6 ⁵ / ₁₆	80 ± 1	3 ¹ / ₈	113 ± 4	4 ³ / ₄	3 PIN B.C.	1	15	0
220/230		4100	178 ± 5.5	7	90 ± 1	3 ⁹ / ₁₆	128 ± 5	5 ¹ / ₄	3 PIN B.C.	2	0	0
240/250		8000	290 ± 8	11 ³ / ₈	50 ± 1	1 ¹³ / ₁₆	170 ± 8	6 ³ / ₄	G.E.S.	2	8	0
	400	14400	330 ± 8	12 ³ / ₄	50 ± 1	1 ¹³ / ₁₆	190 ± 8	7 ¹ / ₂	G.E.S.	2	12	6

PRICES, LIGHT OUTPUT AND DIMENSIONS

SODIUM LAMPS

(GROUP IX)

TYPE SO/H

OSRAM Sodium lamps are available in four different sizes and are suitable for floodlighting and street lighting

Watts	Dimensions			Average lumens throughout life	Cap	Price per Lamp					
	Overall length ± 10	Diameter ± 2 m/m	Light Centre length ± 10 m/m			Without jacket	With detachable jacket				
	£	s.	d.	£	s.	d.	£	s.	d.		
45	238	50	140	2200	Ceramic B.C.	2	0	6	2	12	0
60	300	50	170	3400	Ceramic B.C.	2	10	6	3	3	0
85	415	50	230	5400	Ceramic B.C.	3	0	0	3	15	6
140	518	65	280	9000	Ceramic B.C.	3	11	0	4	8	0

GAS FILLED PROJECTOR

(GROUP I)

CLASS B.1

CLASS B.2

Watts	Dimensions m/m			Objective Average life (hours)	Cap	Price per Lamp		
	Overall length ± 10	Diameter	Light centre length ± 5			£	s.	d.
100	115	80 ± 2	75	800	E.S.	9	0	0
250	125	95 ± 2	75		E.S.	17	6	0
500	180	130 ± 5	115		G.E.S.	1	3	0
1000	180	130 ± 5	115		G.E.S.	1	10	0

Standard Voltages: 115, 200, 210, 220, 230, 240 and 250.
These lamps can be used in any position except within 45° of the cap-up position.

Watts	Dimensions m/m			Objective Average life (hours)	Cap	Price per Lamp		
	Overall length	Diameter	Light centre length			£	s.	d.
500	267 ± 8	130 ± 5	202 ± 7	800	G.E.S.	1	3	0
1000	300 ± 9	150 ± 5	225 ± 8	800	G.E.S.	1	10	0

Standard Voltages : 115, 200, 210, 220, 230, 240 and 250.
These lamps can be used in any position.

GENERAL LIGHTING SERVICE LAMPS (GROUP I)

		PEARL OR CLEAR										COLOURED				
Watts	Stand-ard cap	COILED COIL		SINGLE COIL								Red, Blue, Green, Yellow, Flame, White, Amber and Pink				
		200, 210, 220, 230, 240, 250 and 260 volts		200, 210, 220, 230, 240, 250 and 260 volts		100, 110, 120, 130 volts		25 volts		35, 50 and 55 volts		200, 210, 220, 230, 240, 250, and 260 volts		100, 110, 120, 130 volts		
		List Price	P.T. extra	List Price	P.T. extra	List Price	P.T. extra	List Price	P.T. extra	List Price	P.T. Extra	List Price	P.T. extra	List Price	P.T. extra	
		s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
15	B.C.	—	—	1 3	4	1 3	4	1 9	6	1 9**	6	1 5	4	1 5	4	4
25	B.C.	—	—	1 3	4	1 3	4	1 9	6	1 9	6	1 5	4	1 5	4	4
40	B.C.	1 4	4	1 1	4	1 3	4	1 9	6	1 9	6	1 4	4	1 5	4	4
60	B.C.	1 4	4	1 1	4	1 3	4	2 0	7	2 0	7	1 4	4	1 6	5	5
75	B.C.	1 7	5	1 5	4	1 7	5	2 6	8	2 6	8	1 4	4	1 6	5	5
100	B.C.	1 8	5	1 6	5	1 8	5	—	—	—	—	1 8	5	1 10	6	6
150	B.C.	—	—	2 3	7	2 5	8	4 0**	1 1	4 0	1 1	1 10	6	2 0	7	7
200†	E.S.	—	—	3 6†	11	4 0†	1 1	—	—	6 6***	1 8	3 0‡	10	3 2‡	10	10
300	G.E.S.	—	—	7 0	—	7 6	—	—	—	8 0***	2 1	5 0‡	1 4	5 6‡	1 5	1 5
500	G.E.S.	—	—	9 0	—	9 6	—	—	—	11 0***	—	8 9‡	—	9 3‡	—	—
750	G.E.S.	—	—	15 0	—	15 0	—	—	—	14 6***	—	11 3‡	—	11 9‡	—	—
1000	G.E.S.	—	—	16 0	—	16 0	—	—	—	19 3***	—	—	—	—	—	—
1500	G.E.S.	—	—	22 6	—	22 6	—	—	—	—	—	—	—	—	—	—

† Clear 200 watt Pearl lamps are plus 6d. each extra. Lamps above 200 watts are only supplied clear. ‡ These wattages are supplied white only.
 NOTE: The 15 watt size for 100-130 and 200-260 volts and the 25 watt size for 200-260 volts are vacuum type. ** Pearl only. *** Clear only.

SILVERLIGHT

By means of a special process (patent applied for) the inside of the lamp is sprayed with minute particles of silica which greatly increase the diffusion but have very little light absorption.

This lamp is ideal for all positions where the bulb is wholly or partially visible, such as cinema canopies, etc., or where extra diffusion is required to avoid shadows.

Watts	Volts	Cap	List Price	P.T. extra
			s. d.	s. d.
40	200, 210, 220, 230, 240, 250 and 260	B.C.	1 7	5
60		B.C.	1 7	5
100		B.C.	2 0	7

SPECIAL LIGHTING SERVICE LAMPS (GROUP I)

INTERNALLY COLOURED SIGN

Red, Blue, Orange, Green, Yellow or White

The internal spraying of these lamps ensures that the colour remains permanent and will not crack or deteriorate under atmospheric conditions.

Wts.	Volts	Cap	Dimensions				Price each	P.T. extra
			Length		Diameter			
			m/m	ins.	m/m	ins.	s. d.	s. d.
15	110, 200, 210, 220, 230, 240, 250, and 260	B.C.	90 ± 3.5	3½	44 ± 2	1¾	2 0	7

PYGMY

Watts	Std. cap	Length Tolerance ± 3 m/m	Diameter Tolerance ± 1 m/m	100, 110, 130, 200, 210, 220, 230, 240, 250 and 260 volts Clear		25, 50, 60, 65, 75 volts Clear			
				Price	P.T. ex.	Price	P.T. ex.		
		m/m.	ins.	m/m	ins.	s. d.	s. d.	s. d.	s. d.
15	B.C. E.S. S.B.C. S.E.S.	56 58 62 64	2 ¾ 2 ¼ 2 7/16 2 ½	28	10	1 7	5	2 2	7

Coloured 2d. per lamp extra. Colours as G.L.S. lamps above.

ARCHITECTURAL

30 m/m diameter

OSRAM Architectural lamps are available in standard straight lengths and curves, and are suitable for outlining interior architectural features. The standard finish is white opal but they can also be obtained sprayed in any of the following colours: Red, Blue, Green, Amber, Pink, Flame, Orange or Yellow.

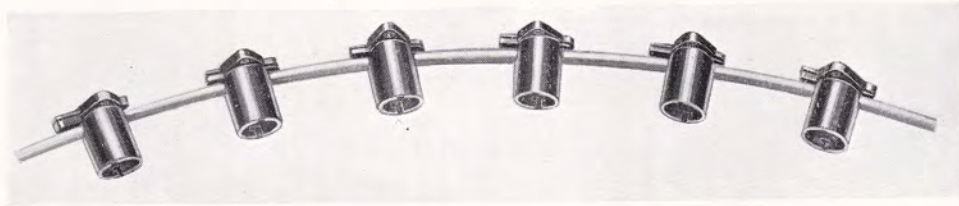
Full details are available on application.

G.E.C.

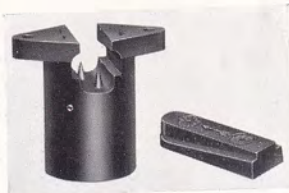
ILLUMINATION LAMPHOLDERS

ALL BAKELITE "WEDGE" TYPE

British Patent No. 390294 and abroad



This is the simplest of all illumination lampholders. Tools can be dispensed with, but where large quantities are to be fixed the pliers illustrated will materially save time. There are no screw threads; simply place the lampholder at the desired position on the cable and push the wedge into position.



S 4000 B.C.



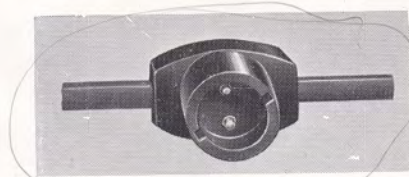
S 4003 E.S.

Cat. No.	Type	Description	Price per doz.
S 4000	B.C.	Black Bakelite Lampholder, for use with Twin 7/.029" T.R.S. Cable	20/4 18 0
S 4003	E.S.	Ditto ditto	18 0 ^{20/4}
S 4001	—	I.R. Rings for Lamp Cap B.C.	2 4
S 4004	—	Ditto ditto E.S.	3 0
S 4002	—	Forked Pliers to facilitate speed in fixing	Price each £1 2 0

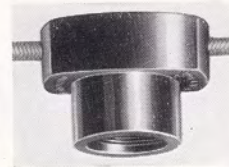


S 4002

"FAIRYLAND" STRIP



S 3706



S 3506 E.S.

B.C. BAKELITE ALL-INSULATED

Mounted on Twin 7/.029 V.I.R. Cable

Centres of Holders		Cat. No.	Price per Holder	
ins.	cms.		s.	d.
6	15.24	S 3706	2	4 ^{2/13}
9	22.86	S 3709	2	6 ^{2/11 1/2}
12	30.48	S 3712	2	7
18	45.71	S 3718	2	10
24	60.95	S 3724	3	1
36	91.43	S 3736	3	6

For suitable Rubber Rings see S 4001 above

E.S. COMPOSITION HOLDER

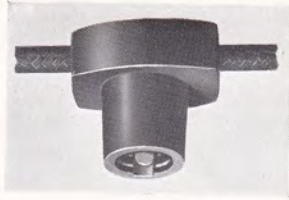
Mounted on Twin 7/.029" V.I.R. Cable

Centres of Holders		Without Fixing Lugs		With Fixing Lugs			
		Cat. No.	Price per Holder	Cat. No.	Price per Holder		
ins.	cms.		i s. d.		s. d.		
6	15.24	S 3506	2	8 ^{1/2}	S 3806	2	8 ^{1/2}
9	22.86	S 3509	2	10 ^{1/2}	S 3809	2	10 ^{1/2}
12	30.48	S 3512	3	0	S 3812	3	0
18	45.71	S 3518	3	4	S 3818	3	4
24	60.95	S 3524	3	11 ^{1/2}	S 3824	3	11 ^{1/2}
36	91.43	S 3536	4	6	S 3836	4	6

For suitable Rubber Rings see S 4004 above.

**SMALL EDISON SCREW (S.E.S.)
COMPOSITION HOLDER**

Mounted on Special V.I.R. Cable



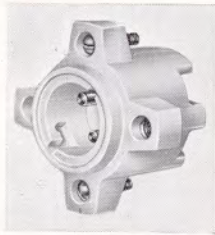
S 3604
S.E.S.

Centres of Holders.		Cat. No.	Price per Holder		
ins.	' cms.		Simple Series	Series Parallel.	Multiple Series.
4	10.16	S 3604	1 6	1 7	1 7 $\frac{1}{2}$
6	15.24	S 3606	1 7 $\frac{1}{2}$	1 8	1 8 $\frac{1}{2}$
9	22.86	S 3609	1 8 $\frac{1}{2}$	1 9	1 10
12	30.48	S 3612	1 9 $\frac{1}{2}$	1 10 $\frac{1}{2}$	1 11

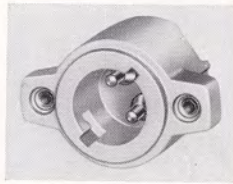
Rubber Rings to make Weatherproof, outside diameter $\frac{3}{4}$ " (19mm.), inside $\frac{1}{2}$ " (12.5mm.), depth $\frac{5}{8}$ " (16mm.). Price on application

SIGN TYPE E.S. and B.C. PORCELAIN LAMPHOLDERS

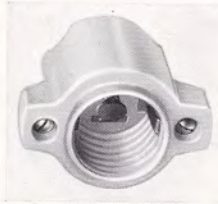
For metal plate troughing



S 1231
4-Lug Pattern



S 1232
2-Lug Pattern



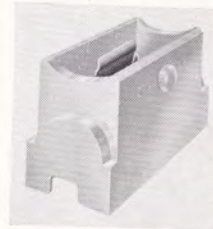
S 1193
2-Lug Pattern

Description.	Cat. No.	Price per doz.
4-Lug Pattern, B.C. Sign Type Lampholder ..	S 1231	£ s. d. 1 12 0
2-Lug Pattern, ditto ..	S 1232	1 7 0
2-Lug Pattern E.S. Sign Sign Type Lampholder complete with rubber ring ..	S 1193	1 15 4
Spare rubber rings ..		3 4

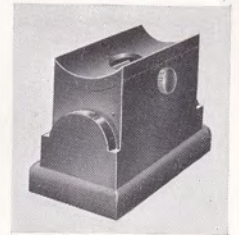
ARCHITECTURAL LAMPHOLDERS

For Architectural Tubular Lamps with Peg Type Caps Complying with British Standard Specification No. 841-1939.

(British Patent Nos. 461912-464142)



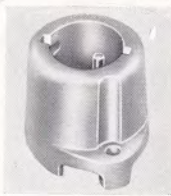
S 1347



S 1347 A
S 1347 Lampholder with S 1346 Rubber Gasket and Base Pad

Description.	Cat. No.	Price per pair.
Lampholders for Architectural tubular lamps. Black	S 1347	s. d. 6 0
Ditto Cream	S 1347	6 8 $\frac{1}{4}$
Ditto with weatherproof gaskets and base pads. Black	S 1347 A	10 0
Gaskets and base pads only	S 1346	4 0 per set (i.e. for one pair of lampholders)

STAGE BATTEN TYRE

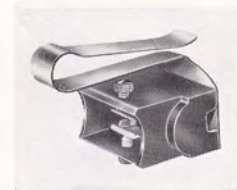


S 1234



S 1244

Description.	Cat. No.	Price per doz.
B.C. Stage Batten Lampholder	S 1234	s. d. 1 19 0
E.S. ditto ditto	S 1244	1 7 0



S 1348
(Shown with lampholder in position.)

SHELF CLIPS FOR ABOVE

Description.	Cat. No.	Price per pair (lampholders extra)
Chromium-plated shelf clips with two $\frac{1}{8}$ " Whitworth $\frac{5}{16}$ " (8mm.) long chromium-plated fining screws for attachment to lampholders	S 1348	s. d. 4 8

"FLASH-O-LITE"

THERMIC FLASHER LAMPHOLDERS



S 1441
Adaptor type

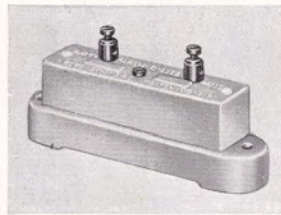


S 1481
Cord Grip type

Volts	Watts	ADAPTOR		CORD GRIP*	
		Cat. No.	Price each	Cat. No.	Price each
100/115	15/20	S 1441	s. d. 10 4	S 1481	s. d. 20 8
200/260	30/40		S 1442	10 4	S 1482	20 8
100/115	30/40	S 1443	10 4	S 1483	20 8
200/260	60/80		S 1444		
100/115	60/80				
200/260	100				

* The Cord Grip type is supplied wired with two yards flex and B.C. Adaptor.

THERMIC FLASHERS

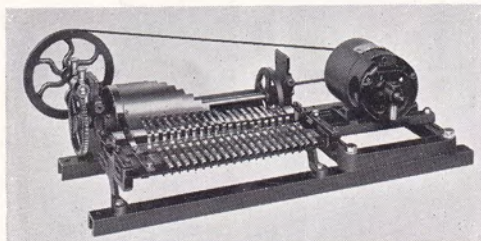


S 1421 Block type.

BLOCK TYPE

Vitreous Porcelain Base and Cover

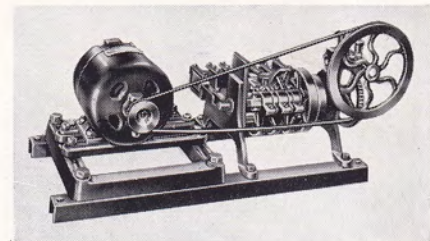
Cat. No.	Volts	Watts	Price each	
			s.	d.
S 1421	100/115	15/20	9	8
	200/260	30/40		
S 1422	100/115	30/40	9	8
	200/260	60/80		
S 1423	100/115	40/60	9	8
	200/260	90/120		



S 1270 20-way "Script" type.

MOTOR DRIVEN FLASHERS

Registered Design
716262



S 1375 4-way "Speller" type.

Motor driven flashers of the "Script" and "Crawling" Border types for both A.C. and D.C. up to 260 volts, are made with up to 60 ways, making and breaking up to 200 watts per way. The "Speller" type up to 12 ways will make and break up to 800 watts per way. Quotations will be given against enquiries giving full details of requirements.

IMPORTANT.—When enquiring or ordering it is essential to state flashing effect desired, number and wattage of lamps in each section, voltage and (if A.C.) periodicity of supply.

THE GENERAL ELECTRIC CO. LTD. OF ENGLAND

Known throughout the world as the

G.E.C.

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