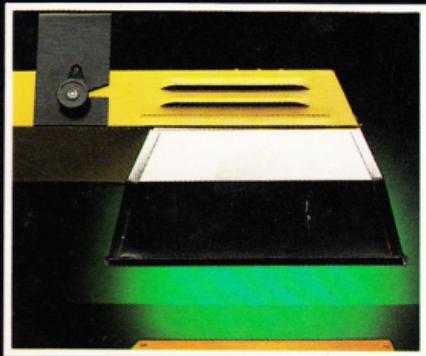
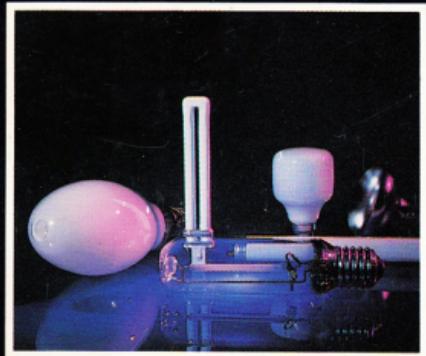


# **Osram-GEC**

## **LIGHTING CATALOGUE**



**LOOKING AT ENERGY SAVING  
IN A DIFFERENT LIGHT.**

# INTRODUCTION

## FILM, TELEVISION, STUDIO AND LOCATION LIGHTING AND OTHER INCANDESCENT LAMPS FOR SPECIALISED APPLICATIONS

For many years the name GEC has been associated with film, television and stage lighting. The comprehensive range of studio, theatre and location lighting featured in this catalogue is the result of close collaboration with luminaire manufacturers and studio and theatre lighting technicians.

### MEI LOCATION AND STUDIO LIGHTING

GEC's unique Coolseal principle was first introduced to the MEI range of lamps in 1982. The Coolseal technique dissipates heat away from the molybdenum quartz seal within the end caps by dispersing heat through an etched area along the surface of the seals, and further reduces seal temperatures when used with cooling fins. The lamp is also available with flying leads, so that electrical contact can be made in a low temperature area of the luminaire away from the end seal. This technique virtually eliminates oxidation and early lamp failure.

### TUNGSTEN HALOGEN STUDIO LAMPS

Tungsten halogen lamps balanced for a colour temperature of 3200K, in both quartz and hard glass, are widely used in film and television studios. For the twin filament hard glass lamps, GEC are introducing the principle of 'Flexi-Pins' to give a more reliable lamp performance. This allows the pins to take up misalignment of the individual lampholder sockets, helping to ensure good mechanical and electrical contact but, most important, avoiding undesirable stresses in the lamp base.

Recently introduced the CP82 rated at 500W is specially designed for the new small luminaires which can be concealed on the set to light specific details and create special effects.

### LAMPS FOR AIRFIELD LIGHTING

A range of lamps designed specifically for Airfield and Airport lighting, for all applications, including approach, runway and taxiway.

### SPECIAL APPLICATIONS

Lamps for Lighthouses and Operating Theatres are only made to special order.

#### Notes:

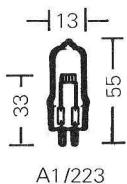
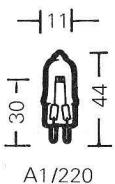
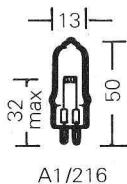
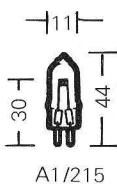
- (A) In line with international standardisation the quoted lamp lives have been established in open rack conditions.
- (B) The operating angles quoted are recommended maximum values for these conditions. Operation, where there is insufficient ventilation around the lamps, may result in some reduction of quoted lives, especially where lamps are burnt at the extreme angles.  
Operating angles are measured from the cap in a vertical plane, at right angles to the plane of the filament.
- (C) Lamps dimensions in mm show maximum length, maximum bulb diameter, nominal light centre length (L.C.L.) and in the case of linear lamps maximum clearance length and maximum diameter excluding pips.
- (D) Where ANSI codes are shown the GEC lamp will have at least the same cap, wattage and light centre position as the ANSI type, but there may be small differences with other parameters.

# Classes A1 and B1, B2

# PROJECTORS AND FLOODLIGHTS

## A1 Tungsten Halogen Projector

**Application:** Cine, Filmstrip and Slide Projectors. Micrographic and Disco Lighting.

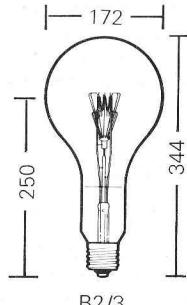
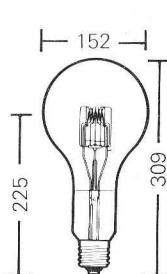
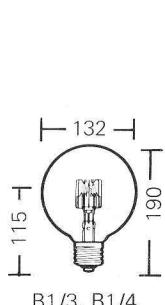
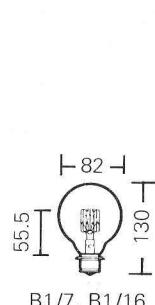


**Objective Life:** 50 hours.

**Pinch Temperature:** 450°C.

| Lamp Type | Ansi Code | Watts | Volts | Cap    | Nominal Lumens | Operating Position | Standard Pack |
|-----------|-----------|-------|-------|--------|----------------|--------------------|---------------|
| A1/220    | BRL       | 50    | 12    | G6.35  | 1400           | VBD to Horizontal  | 40            |
| A1/215    | FCR       | 100   | 12    | GY6.35 | 3000           | VBD to Horizontal  | 40            |
| A1/216    | FCS       | 150   | 24    | G6.35  | 5000           | VBD to Horizontal  | 40            |
| A1/223    | EHJ       | 250   | 24    | G6.35  | 8500           | VBD to Horizontal  | 40            |

## Class B1/B2 Non-halogen Obstruction Lighting and Floodlighting Lamps



B1/7 and B1/16 complement GEC range of Airfield Lamps (see page 239).

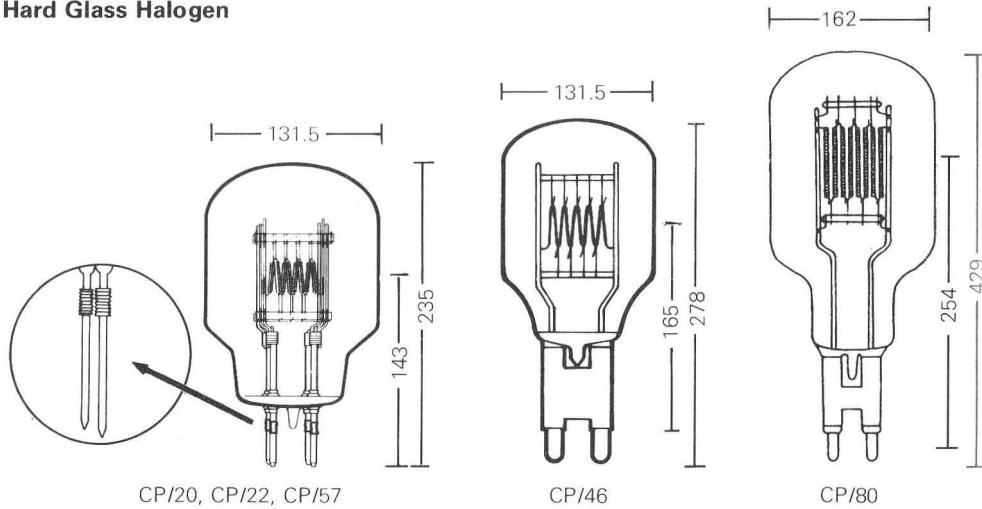
| Lamp Type     | Watts | Volts | Cap  | Nominal Lumens | Objective Life (Hrs) | Operating Position | Standard Pack |
|---------------|-------|-------|------|----------------|----------------------|--------------------|---------------|
| B1/7          | 250   | 115   | P28s | 3600           | 800                  | VBD $\pm$ 135°     | 6             |
|               |       |       | P28s | 3100           | 800                  | VBD $\pm$ 135°     | 6             |
|               |       |       | P28s | 3100           | 800                  | VBD $\pm$ 135°     | 6             |
|               |       |       | P28s | 3100           | 800                  | VBD $\pm$ 135°     | 6             |
| B1/16 (J1/67) | 250   | 240   | P28s | 2400           | 5000                 | VBD $\pm$ 135°     | 6             |
| B1/3          | 500   | 240   | E40  | 7250           | 800                  | VBD $\pm$ 135°     | 6             |
| B1/4          | 1000  | 240   | E40  | 16500          | 800                  | VBD $\pm$ 135°     | 6             |
| B2/2          | 1000  | 240   | E40  | 16500          | 800                  | Any                | 6             |
| B2/3          | 1500  | 240   | E40  | 26250          | 800                  | Any                | 4             |

# STUDIO PROJECTOR

Class CP

**Applications:** TV, Video and Film Studios where controlled colour temperature for sensitised material balanced for 3200K is required.

## Hard Glass Halogen



**Type:** All GEC CP Class lamps are Tungsten Halogen, which eliminates bulb blackening, giving almost 100% lumen maintenance and colour temperature throughout life.

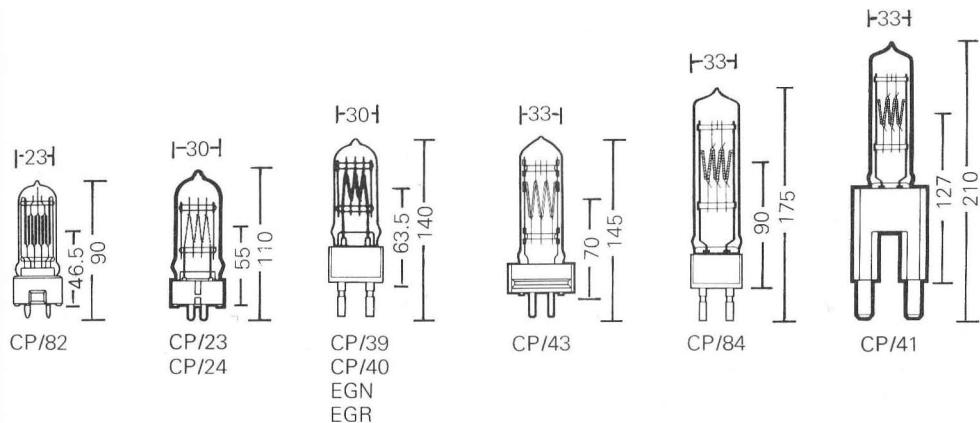
**Flexi-Pin:** GEC's twin filament lamps CP20, CP22 and CP57 incorporate the flexible pin principle.

**Operating Temperature:** Glass base not to exceed 400°C.

| Lamp Type | Ansi Code | Watts     | Volts    | Cap   | Nominal Lumens                 | Objective Life (Hrs) | Operating Position |
|-----------|-----------|-----------|----------|-------|--------------------------------|----------------------|--------------------|
| CP22      |           | 1250/1250 | 115/120  | GX38q | 29000/62500                    | 100                  | VBD ± 45°          |
|           |           |           | 220, 240 | GX38q | 27000/56000                    | 100                  | VBD ± 45°          |
| CP57      |           | 1250/2500 | 220, 240 | GX38q | 26000/59000<br>90,000 combined | 100                  | VBD ± 45°          |
| CP20      | FCN       | 2500/2500 | 115/120  | GX38q | 65000/140000                   | 100                  | VBD ± 45°          |
|           |           |           | 220, 240 | GX38q | 59000/127000                   | 100                  | VBD ± 45°          |
| CP46      | EBA       | 5000      | 115/120  | G38   | 137500                         | 400                  | VBD ± 45°          |
|           |           |           | 220, 240 | G38   | 130000                         | 400                  | VBD ± 45°          |
| CP80      |           | 10000     | 115/120  | G38   | 290000                         | 400                  | VBD ± 45°          |
|           |           |           | 220, 240 | G38   | 280000                         | 400                  | VBD ± 45°          |

**Application:** TV, Video and Film Studios where controlled colour temperature for sensitised material balanced for 3200K is required.

### Quartz Halogen



**Operating Temperature:** Quartz pinch not to exceed 400°C.

| Lamp Type | Ansi Code | Watts | Volts    | Cap   | Nominal Lumens | Objective Life (Hrs) | Operating Position |
|-----------|-----------|-------|----------|-------|----------------|----------------------|--------------------|
| —         | EGN       | 500   | 120      | G22   | 13000          | 100                  | VBD ± 90°          |
| CP82      |           | 500   | 115/120  | GY9.5 | 12500          | 150                  | VBD ± 90°          |
|           |           |       | 220, 240 | GY9.5 | 12500          | 150                  | VBD ± 90°          |
| CP39      | FKG       | 650   | 115/120  | G22   | 16900          | 100                  | VBD ± 90°          |
|           | FKH       | 650   | 220, 240 | G22   | 16900          | 100                  | VBD ± 90°          |
| CP23      |           | 650   | 220, 240 | GX9.5 | 16900          | 100                  | VBD ± 90°          |
| —         | EGR       | 750   | 120      | G22   | 20000          | 200                  | VBD ± 90°          |
| CP24      |           | 1000  | 115/120  | GX9.5 | 27000          | 200                  | VBD ± 90°          |
|           |           |       | 220, 240 | GX9.5 | 26000          | 200                  | VBD ± 90°          |
| CP40      |           | 1000  | 115/120  | G22   | 27000          | 200                  | VBD ± 90°          |
|           | FKJ       |       | 220, 240 | G22   | 26000          | 200                  | VBD ± 90°          |
| CP41      | CYX       | 2000  | 115/120  | G38   | 55000          | 400                  | VBD ± 90°          |
|           | FKK       |       | 220, 240 | G38   | 53000          | 400                  | VBD ± 90°          |
| CP43      |           | 2000  | 115/120  | GY16  | 55000          | 400                  | VBD ± 90°          |
|           |           |       | 220, 240 | GY16  | 53000          | 400                  | VBD ± 90°          |
| CP84      |           | 2000  | 115/120  | G22   | 55000          | 400                  | VBD ± 90°          |
|           |           |       | 220, 240 | G22   | 53000          | 400                  | VBD ± 90°          |

**Application:** Daylight filming, Electronic News Gathering, TV Studios, Outside Broadcasts, Special Effects, Theatre Stage Lighting, Overhead Projection and for use where a colour temperature of 5600K is required to supplement daylight.

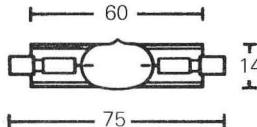
**Type:** Metal halide discharge lamp.

**Bulb:** Quartz.

**Ballast:** A suitable ballast and ignitor must be used with these lamps.

**Luminaire:** Lamp must be operated in a totally enclosed luminaire so avoiding exposure to ultra violet radiation.

### MEI 200

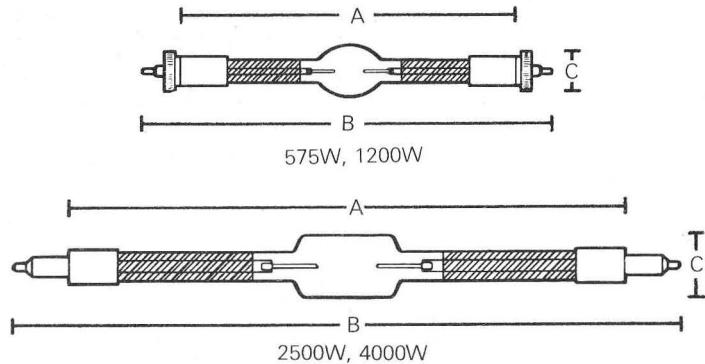


| Watts | Cap  | Operating Position | Nominal Lumens | Objective Average Life |
|-------|------|--------------------|----------------|------------------------|
| 200   | X515 | Horiz ± 15         | 16000          | 300                    |

### MEI COOLSEAL

GEC started manufacturing standard MEI lamps seven years ago, and in 1982 invented the important Coolseal principle specifically to overcome the problems of molybdenum to quartz seals overheating within the end caps.

The Coolseal technique considerably reduces the temperature at the end of the seal, which increases the life of the lamp. The surface of the seal is etched so that the heat which normally travels along the seal from the bulb to cap by the light pipe effect, is dispersed.



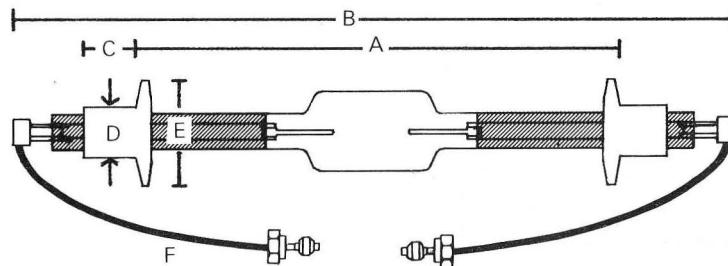
| Watts | Cap       | Operating Position | Nominal Lumens | Objective Average Life | A   | B   | C  |
|-------|-----------|--------------------|----------------|------------------------|-----|-----|----|
| 575   | SFc10.5-4 | Any                | 49000          | 750                    | 115 | 145 | 21 |
| 1200  | SFc15.5-6 | Any                | 110000         | 750                    | 180 | 220 | 27 |
| 2500  | SFa21-12  | Horiz ± 15         | 240000         | 500                    | 290 | 355 | 30 |
| 4000  | SFa21-12  | Horiz ± 15         | 410000         | 500                    | 340 | 405 | 38 |

**MEI COOLSEAL WITH FLYING LEADS**

As a result of the Coolseal development and the consequent reduction of temperature of each seal, the need for expensive cooling fins has been eliminated. The MEI lamp with flying leads may now be held in position by simple clips fixed to a flexible mounting which helps to protect the lamp if the luminaire is dropped. The lamp caps have been removed and replaced by flying leads so that the electrical contacts can be made in a low temperature area of the luminaire away from the end seal.

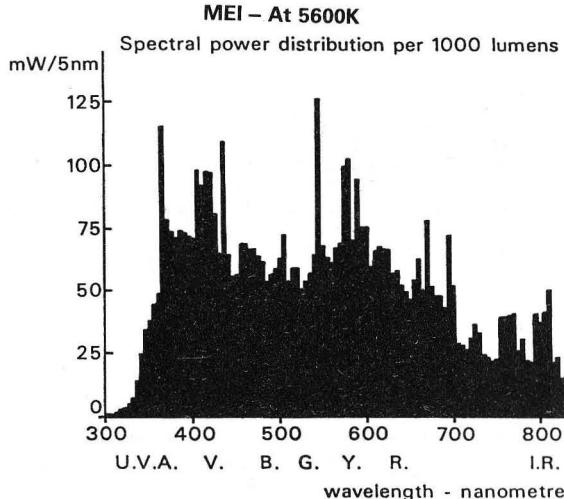
**8kW**

The 8 kilowatt MEI Lamp is the first light source capable of replacing the traditional Brute carbon arc lamp. It has been designed for infill lighting in daylight conditions to simulate daylight during outside broadcasts and for special effect lighting in film and TV studios.



**Cap:** Flying leads.

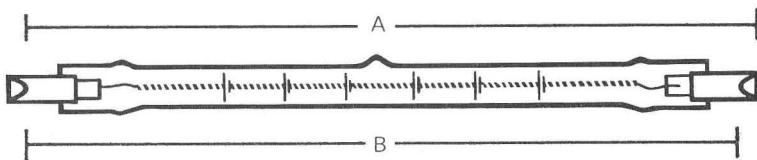
| Watts | Operating Position | Nominal Lumens | Objective Average Life | Dimensions in mm |       |    |    |    |     | Terminals All 1mm Pitch |
|-------|--------------------|----------------|------------------------|------------------|-------|----|----|----|-----|-------------------------|
|       |                    |                |                        | A                | B ± 5 | C  | D  | E  | F   |                         |
| 575   | Any                | 49000          | 750                    | 80               | 120   | 8  | 15 | 26 | 70  | 8mm dia                 |
| 1200  | Any                | 110000         | 750                    | 116              | 174   | 14 | 20 | 35 | 70  | 8mm dia                 |
| 2500  | Horiz ± 15         | 240000         | 500                    | 190              | 298   | 25 | 25 | 50 | 70  | 12mm dia                |
| 4000  | Horiz ± 15         | 410000         | 500                    | 240              | 360   | 25 | 25 | 50 | 70  | 12mm dia                |
| 8000  | Horiz ± 15         | 800000         | 500                    | 311              | 530   | 25 | 41 | 65 | 120 | 12mm dia                |



# STUDIO LIGHTING

## Class P2 Linear

**Application:** For use with sensitised material balanced to 3200K in TV, Video, Film and Photographic Studios.



**Type:** Quartz Tungsten Halogen

**Cap:** R7s-15

**Operating Temperature:** Pinch seal not to exceed 400°C

**Max Bulb Diameter:** 12mm (Excluding Pip)

**Recommended Fusing:** Rapid Acting HBC Type

| Lamp Code | Ansi Code | Watts | Volts   | Finish           | Nominal Lumens | Obj. Life (Hrs) | Operating Position | Contact to ceramic Max A (mm) | Contact to Contact B ± 1.6 (mm) | Recommended Fusing |
|-----------|-----------|-------|---------|------------------|----------------|-----------------|--------------------|-------------------------------|---------------------------------|--------------------|
| P2/10     |           | 625   | 115/120 | Frosted          | 15000          | 200             | Horiz ± 4°         | 189.1                         | 185.7                           | 10A                |
|           |           |       | 220/230 | Frosted          | 15625          | 200             | Horiz ± 4°         | 189.1                         | 185.7                           | 4A                 |
|           |           |       | 240/250 | Frosted          | 15625          | 200             | Horiz ± 4°         | 189.1                         | 185.7                           | 4A                 |
| P2/15     |           | 625   | 240/250 | Frosted          | 16250          | 75              | Horiz ± 15°        | 117.6                         | 114.2                           | 4A                 |
| P2/11     |           | 800   | 115/120 | Clear or Frosted | 21600          | 150             | Horiz ± 15°        | 117.6                         | 114.2                           | 10A                |
|           |           |       | 220/230 | Clear or Frosted | 21000          | 150             | Horiz ± 15°        | 117.6                         | 114.2                           | 6A                 |
|           |           |       | 240/250 | Clear or Frosted | 21000          | 150             | Horiz ± 15°        | 117.6                         | 114.2                           | 6A                 |
| P2/7      |           | 1000  | 220/230 | Clear            | 26000          | 200             | Horiz ± 4°         | 189.1                         | 185.7                           | 6A                 |
|           |           |       | 240/250 | Clear            | 26000          | 200             | Horiz ± 4°         | 189.1                         | 185.7                           | 6A                 |
| P2/28     | FCM       | 1000  | 120     | Clear            | 27000          | 400             | Horiz ± 4°         | 117.6                         | 114.2                           | 10A                |
| P2/29     | FHM       | 1000  | 120     | Frosted          | 27000          | 400             | Horiz ± 4°         | 117.6                         | 114.2                           | 10A                |
| P2/12     |           | 1250  | 115/120 | Clear            | 33500          | 200             | Horiz ± 4°         | 189.1                         | 185.7                           | 16A                |
|           |           |       | 220/230 | Clear            | 33500          | 200             | Horiz ± 4°         | 189.1                         | 185.7                           | 10A                |
|           |           |       | 240/250 | Clear            | 33500          | 200             | Horiz ± 4°         | 189.1                         | 185.7                           | 10A                |

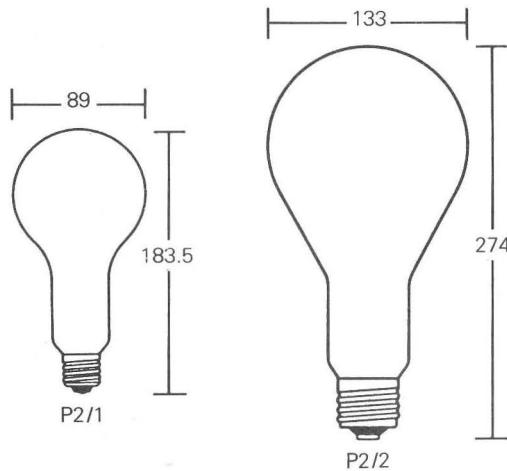
## Classes P2/P1

## PHOTOGRAPHIC

### Class P2

### Photographic

**Application:** Designed for use with sensitised material balanced for 3200K.

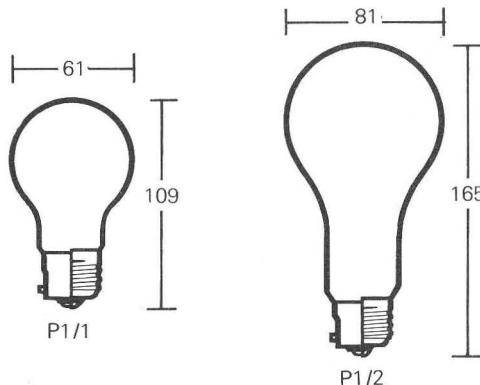


| Lamp Type | Watts | Volts | Cap | Finish | Nominal Lumens | Objective Life (Hrs) | Operating Position | Standard Pack |
|-----------|-------|-------|-----|--------|----------------|----------------------|--------------------|---------------|
| P2/1      | 500   | 240   | E27 | Pearl  | 11500          | 100                  | Any                | 12            |
| P2/2      | 1000  | 240   | E40 | Pearl  | 22000          | 100                  | Any                | 10            |

### Class P1

### Photoflood

**Application:** Indoor photography with black and white or colour film.



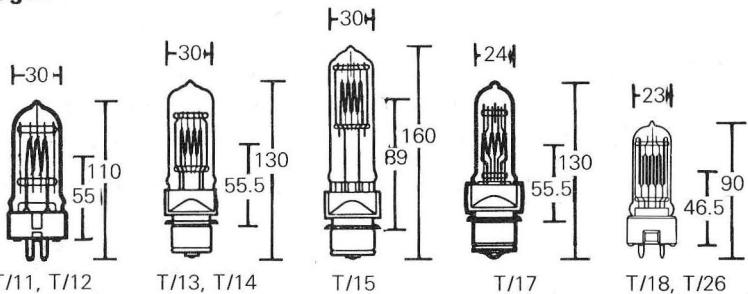
| Lamp Type | Watts | Volts | Cap      | Finish | Nominal Lumens | Objective Life (Hrs) | Operating Position | Standard Pack |
|-----------|-------|-------|----------|--------|----------------|----------------------|--------------------|---------------|
| P1/1      | 275   | 240   | E27, B22 | Pearl  | 8000           | 3                    | Any                | 25            |
| P1/2      | 500   | 240   | E27, B22 | Pearl  | 15000          | 6                    | Any                | 25            |

# THEATRE LAMPS

**Class T**

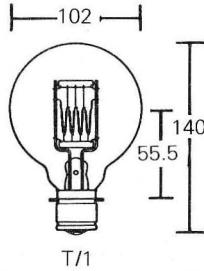
**Application:** Theatre, Cinema, Conference Centres, Art and Leisure Centres, Lecture and Educational Halls.

## Quartz Halogen



| Lamp Type | Watts | Volts    | Cap   | Nominal Lumens | Colour Temp. (K) | Objective Life (Hrs) | Operating Position | Replaces | Standard Pack |
|-----------|-------|----------|-------|----------------|------------------|----------------------|--------------------|----------|---------------|
| T/17      | 500   | 115/120  | P28s  | 9500           | 2950             | 750                  | VBD ± 90°          | T1       | 50            |
|           |       | 220, 240 | P28s  | 9500           | 2950             | 750                  | VBD ± 90°          | T1       | 50            |
| T/18      | 500   | 115/120  | GY9.5 | 11000          | 3050             | 300                  | VBD ± 90°          |          | 32            |
|           |       | 220, 240 | GY9.5 | 11000          | 3050             | 300                  | VBD ± 90°          |          | 32            |
| T/12      | 650   | 115/120  | GX9.5 | 13500          | 3050             | 750                  | VBD ± 90°          |          | 50            |
|           |       | 220, 240 | GX9.5 | 13500          | 3050             | 750                  | VBD ± 90°          |          | 50            |
| T/13      | 650   | 220, 240 | P28s  | 13500          | 3050             | 750                  | VBD ± 90°          |          | 50            |
| T/26      | 650   | 115/120  | GY9.5 | 15000          | 3100             | 400                  | VBD ± 90°          |          | 32            |
|           |       | 220, 240 | GY9.5 | 15000          | 3100             | 400                  | VBD ± 90°          |          | 32            |
| T/11      | 1000  | 220, 240 | GX9.5 | 23000          | 3100             | 750                  | VBD ± 90°          |          | 50            |
| T/14      | 1000  | 115/120  | P28s  | 23000          | 3100             | 750                  | VBD ± 90°          | T6       | 50            |
|           |       | 220, 240 | P28s  | 23000          | 3100             | 750                  | VBD ± 90°          | T6       | 50            |
| T/15      | 1000  | 115/120  | P28s  | 23000          | 3100             | 750                  | Any                | T4       | 50            |
|           |       | 220, 240 | P28s  | 23000          | 3100             | 750                  | Any                | T4       | 50            |

## Non Halogen



T/1

| Lamp Type | Watts | Volts    | Cap  | Nominal Lumens | Objective Life (Hrs) | Operating Position | Standard Pack |
|-----------|-------|----------|------|----------------|----------------------|--------------------|---------------|
| T/1       | 500   | 230, 240 | P28s | 9750           | 200                  | VBD ± 90°          | 10            |

**Quartz Halogen****Operating Temperature:** Pinch not to exceed 350°C.

| Lamp Type | Watts  | Amps | Cap    | Nominal Lumens | Objective Life (Hrs) | Operating Position | Max Length | Max Dia. | LCL |      |
|-----------|--------|------|--------|----------------|----------------------|--------------------|------------|----------|-----|------|
| J1/59     | 36     | 6.0  | G6.35  | 610            | 600                  | VBD ± 90°          | 45         | 11       | 33  |      |
| J1/57     | 45     | 6.6  | G6.35  | 840            | 600                  | VBD ± 90°          | 45         | 11       | 33  |      |
| J1/58     | 100    | 6.6  | G6.35  | 2300           | 600                  | VBD ± 90°          | 47         | 13.5     | 33  |      |
| J1/66     | 100    | 8.33 | G6.35  | 2300           | 600                  | VBD ± 90°          | 47         | 13.5     | 33  |      |
| J1/39     | 200    | 6.6  | G6.35  | 4700           | 600                  | VBD ± 90°          | 47         | 13.5     | 33  |      |
| J1/65     | 200    | 8.33 | G6.35  | 4700           | 600                  | VBD ± 90°          | 47         | 13.5     | 33  |      |
| J1/40     | 200    | 6.6  | R7s-15 | 4200           | 1000                 | Any                | 63.6*      | 12       | —   |      |
| J1/42     | EL55TH | 200  | 6.6    | P28s           | 3700                 | 1000               | Any        | 130      | 33  | 55.5 |
| J1/50     | EL39TH | 200  | 8.33   | P28s           | 3700                 | 1000               | Any        | 130      | 33  | 55.5 |
| J1/51     |        | 200  | 8.33   | R7s-15         | 4200                 | 1000               | Any        | 63.6*    | 12  | —    |

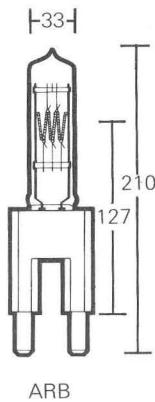
\*Clearance length only.

**Non Halogen**

| Lamp Type | EL   | Watts | Amps      | Cap   | Nominal Lumens | Objective Life (Hrs) | Operating Position | Max Length | Max Dia. | LCL  |
|-----------|------|-------|-----------|-------|----------------|----------------------|--------------------|------------|----------|------|
| J1/3      |      | 30    | 6.6       | P28s  | 420            | 400                  | VBD ± 30°          | 103        | 33       | 38   |
| J1/6      | EL36 | 36    | 6.0       | BA15d | 560            | 60                   | Any                | 60         | 39       | 28.5 |
| J1/7      | EL40 | 36    | 6.0       | BA20s | 560            | 50                   | VBD                | 69         | 39       | 28.5 |
| J1/13     |      | 45    | 6.6       | P28s  | 640            | 400                  | VBD                | 103        | 33       | 38   |
| J1/14     |      | 45    | 6.6       | BA20s | 640            | 400                  | VBD                | 69         | 39       | 30   |
| J1/16     | EL48 | 48    | 8.0       | BA15d | 815            | 50                   | VBD ± 90°          | 60         | 39       | 28.5 |
| J1/24     |      | 100   | 6.6       | P28s  | 1400           | 400                  | VBD ± 30°          | 100        | 38       | 38.5 |
| J1/27     |      | 100   | 6.6       | BA20s | 2200           | 40                   | VBD ± 90°          | 95         | 61       | 43   |
| J1/33     | EL50 | 100   | 8.33      | BA20s | 2100           | 50                   | VBD ± 90°          | 93         | 61       | 43   |
| J1/35     | EL56 | 100   | 8.33      | P28s  | 2100           | 50                   | VBD                | 112        | 66       | 55.5 |
| J1/43     |      | 200   | 6.6       | P28s  | 4200           | 120                  | VBD                | 146        | 38       | 55.5 |
| J1/48     | EL55 | 200   | 6.6       | P28s  | 3700           | 200                  | VBD ± 135°         | 130        | 82       | 55.5 |
| J1/52     | EL39 | 200   | 8.33      | P28s  | 3700           | 200                  | VBD ± 135°         | 130        | 82       | 55.5 |
| J1/67     |      | 250   | 240 Volts | P28s  | 2400           | 5000                 | VBD ± 135°         | 130        | 82       | 55.5 |
| J1/56     |      | 300   | 36 Volts  | P28s  | 3700           | 500                  | VBD ± 90°          | 130        | 81       | 55.5 |

# SPECIAL APPLICATIONS

## Aero Beacon (Quartz Halogen)



ARB

| Lamp Type | Watts | Volts | Cap | Nominal Lumens | Objective Life (Hrs) | Operating Position | Standard Pack |
|-----------|-------|-------|-----|----------------|----------------------|--------------------|---------------|
| ARB       | 1550  | 100   | G38 | 3400           | 2500                 | VBD                | 1             |

## Operating Theatre

| Lamp Type | Watts | Volts | Cap | Filament | Nominal Lumens | Objective Life (Hrs) | Max Length | Max Dia | LCL |
|-----------|-------|-------|-----|----------|----------------|----------------------|------------|---------|-----|
| 905       | 150   | 24    | E27 | Axial    | 2625           | 500                  | 122        | 82      | 76  |

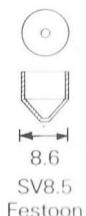
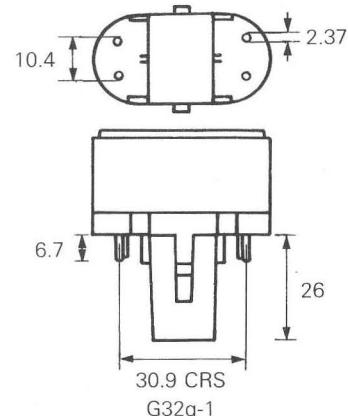
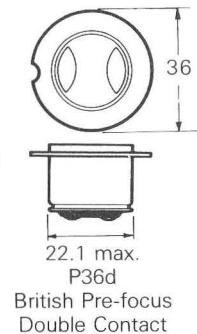
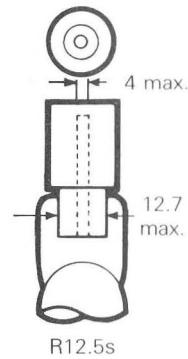
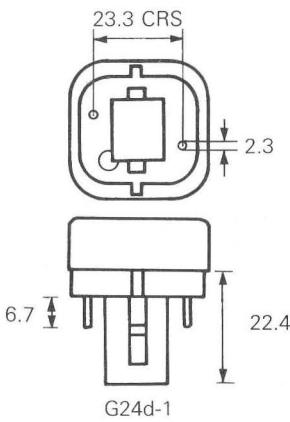
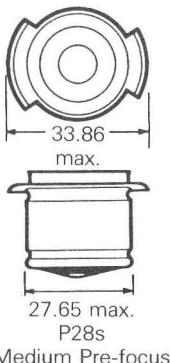
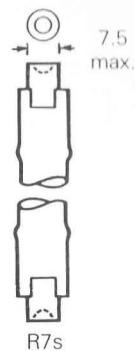
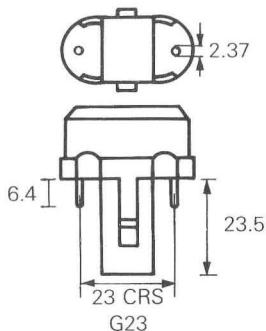
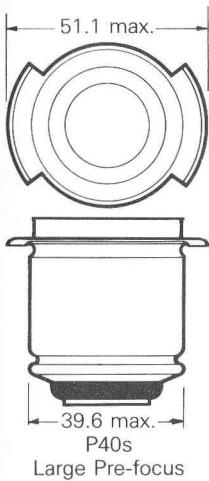
## Lighthouse

GEC's range of Lighthouse lamps comply to British Standards where applicable.  
Further details are available on application.

## Aero Landing

GEC's range of Aero Landing lamps comply with British M.O.D. Defence Standards.  
The company also has Civil Aviation Authority approval for these types.  
Further details are available on application.

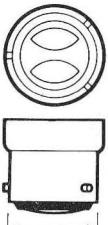
# STANDARD CAPS



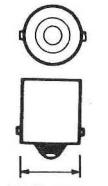
# STANDARD CAPS



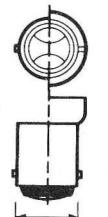
22.15 max.  
B22d (BC)  
Bayonet Cap



22.15 max.  
B22d-3  
3 pin Bayonet Cap



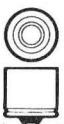
15.3 max.  
BA15s (SCC)  
Small Centre Contact



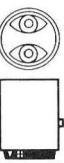
15.25 max.  
B15d (SBC)  
Small Bayonet Cap



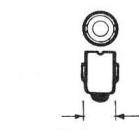
9.25 max.  
BA9s (MCC)  
Miniature Centre Contact



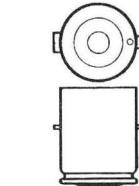
15.25 max.  
S15s  
Single Contact Cap for Striplite



15.25 max.  
BAY15d  
Bayonet Automobile



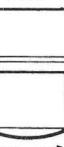
7.1 max.  
BA7s  
Bayonet Automobile



20.10 max.  
BA20s  
Bosch



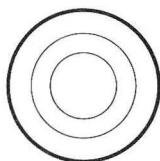
26.45 max.  
E27 (ES)  
Edison Screw



22 max.  
BY22d  
Sodium Bayonet Cap



9.53 max.  
E10 (MES)  
Minature Edison Screw



39.5 max.  
E40 (GES)  
Goliath Edison Screw

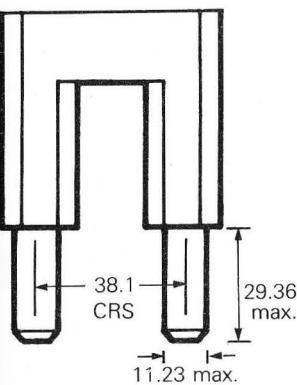


13.89 max.  
E14 (SES)  
Small Edison Screw

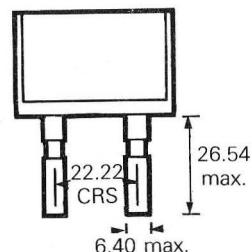
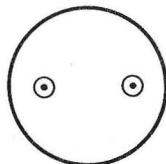


5.33 max.  
E5 (LES)  
Lilliput Edison Screw

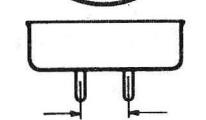
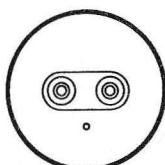
# STANDARD CAPS



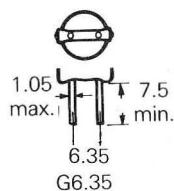
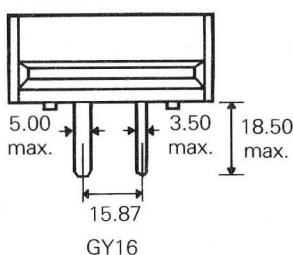
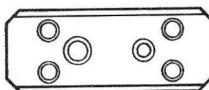
G38 Large Bi-post



G22 Medium Bi-post



G13 Medium Bi-post



OTHER MEASUREMENTS  
AS G6.35

