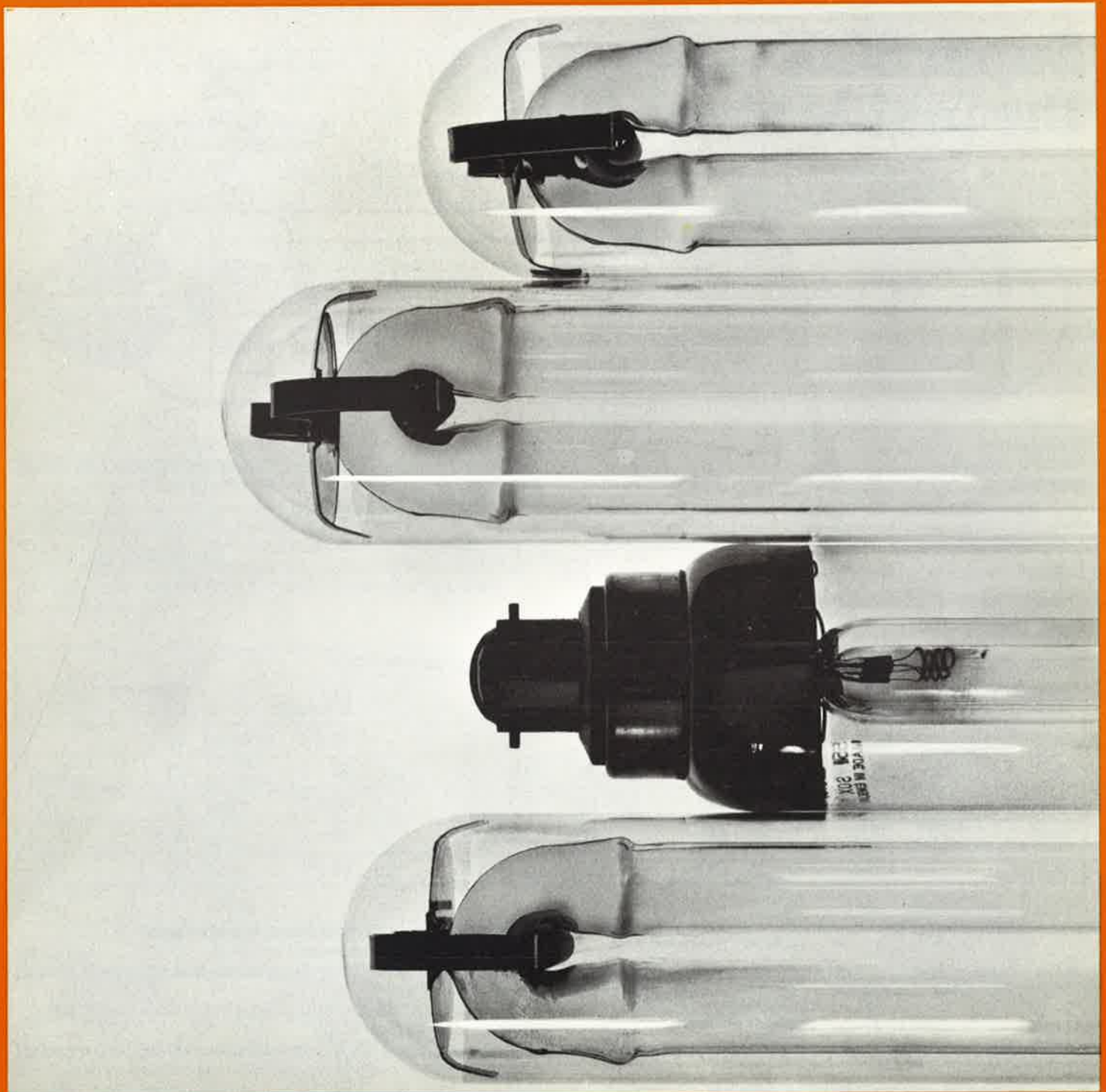


Sfb:(63)

UDC: 628.94/95

Osram-GEC Low Pressure Sodium Lamps

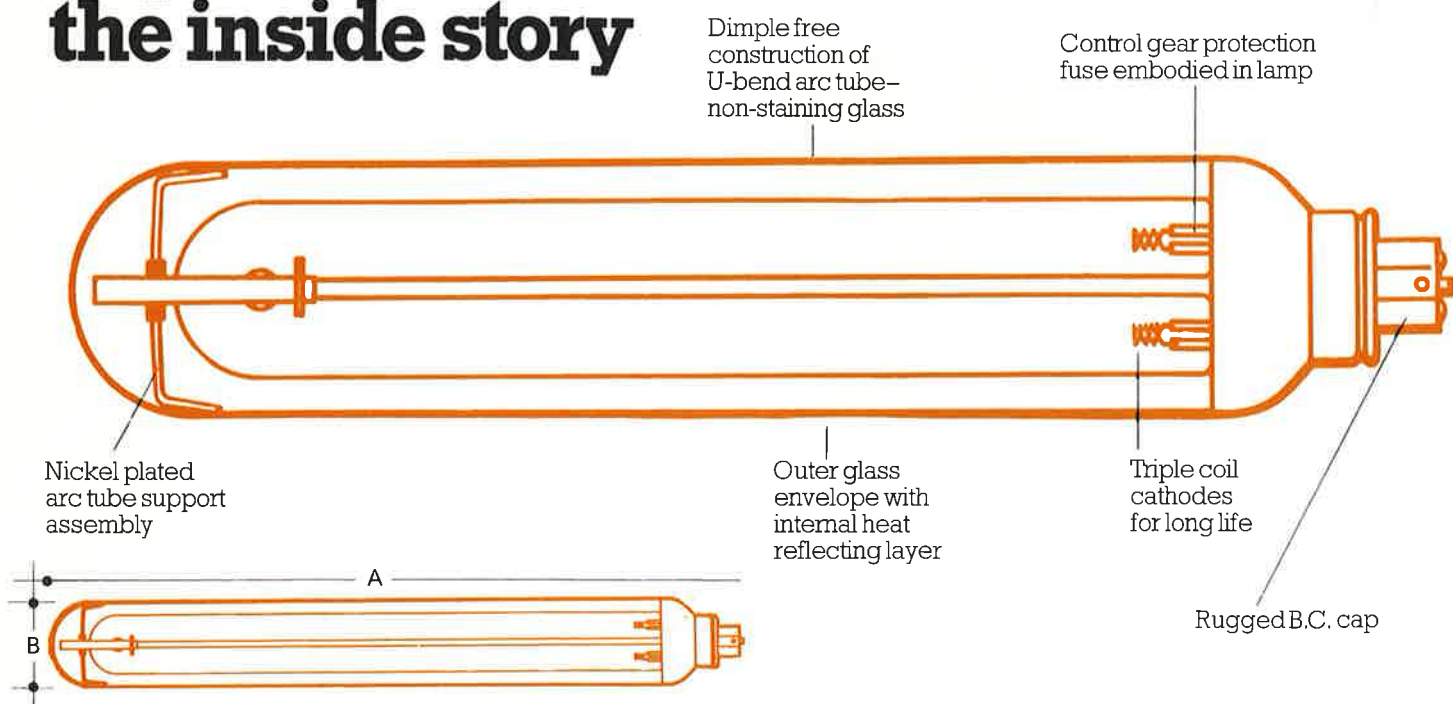


Leadership in Low Pressure Sodium Lighting

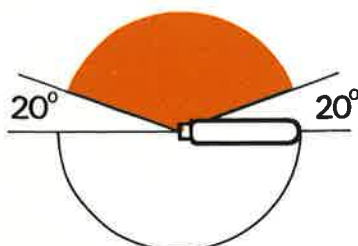
The Low Pressure Sodium lamp is the most efficient light source known to man, and is playing an improving and important role of increasing road safety and conservation of power.

In recent years Osram have made radical developments to the low pressure sodium lamp technology and now market a full range of Super SOX lamps to meet all the diverse needs of today's outdoor lighting.

Super SOX the inside story



Watts	Lighting Design Lumens	Cap	Lamp Dimensions in mm		
			Overall Length	Bulb Diameter	Standard Pack
35	4500	B.C.	300 ± 10	50 ± 2	12
55	7500	B.C.	415 ± 10	50 ± 2	12
90	12500	B.C.	518 ± 10	65 ± 2	6
135	21500	B.C.	765 ± 10	65 ± 2	6
180	31500	B.C.	1110 ± 10	65 ± 2	3



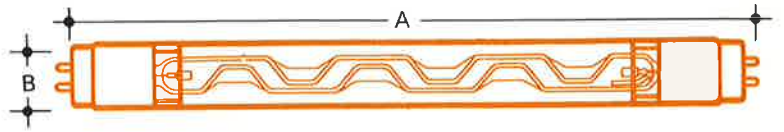
OPERATING POSITION
The shaded portion of the diagram shows the position in which the lamp **must not** be mounted.

By Osram design breakthrough and unique manufacturing processes:

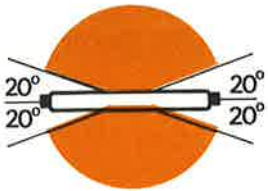
- *Construction has been simplified - less chance of transit or in-life failure.
- *Dimple free construction - no light masking, and high lumen maintenance.
- *Correct sodium vapour distribution through life over full lamp length is certain by graded heat reflecting film.

SLI/H Linear Fundamentally differing from integral lamps, the linear lamps are double ended, with the arc tube indented at regular intervals, serving as Sodium reservoirs to ensure Sodium distribution over life and maximum surface area.

This lamp is available, primarily for replacement purposes, since the single ended Super SOX lamp is tending to supersede double ended lamps.

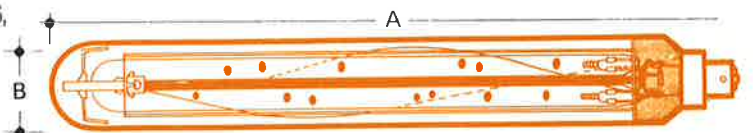


Watts	Lighting Design Lumens	Cap	Lamp Dimensions in mm		
			Overall Length A (cap face to pin tip)	Nominal Diameter B	Standard Pack
60	5700	Bi-pin	419.1 max.	38	20
160	18000	Bi-pin	902 max.	38	12
200	20000	Bi-pin	902 max.	38	12



OPERATING POSITION
The shaded portion of the diagram shows the position in which the lamp **must not** be mounted.

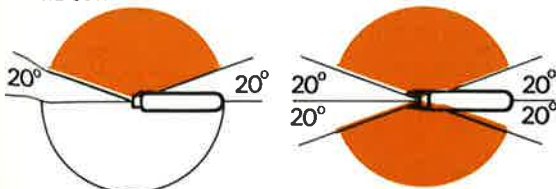
SOI/H Integral This lamp, introduced by Osram in 1955, is largely superseded by the Super SOX range, but is available for a limited time for replacement purposes. Excepting the 45W, may be replaced by Super SOX. The arc tube is sealed hermetically in the outer jacket giving a robust lamp. Heat retaining sleeves are fitted to the limbs of the arc tube, improved starting provided by two wires spiralled around the arc tube.



Watts	Lighting Design Lumens	Cap	Lamp Dimensions in mm		
			Overall Length A	Bulb Diameter B	Standard Pack
45	2800	B.C.	238 ± 10	50 ± 2	12
60	3900	B.C.	300 ± 10	50 ± 2	12
85	6400	B.C.	415 ± 10	50 ± 2	12
140	10600	B.C.	518 ± 10	65 ± 2	6

45 and 60W

85 and 140W



OPERATING POSITION
The shaded portion of the diagram shows the position in which the lamp **must not** be mounted.

Super SOX- the rest of the story

Applications

Streetlighting

The range of Super SOX lamps enables a complete sodium policy to be carried out for all classes of road—for motorways and major trunk roads the 135 and 180 watts, through Class A roads to side roads with the 35 or 55 watt.



Area & Security Lighting

Large scale lighting of tunnels, docks and harbours, storage areas that may need lighting for night work and dusk to dawn security lighting. The lower wattage lamps are ideal for providing light for small car parks, for public buildings, public houses, hotels.

Characteristics

The Lamp Colour

The colour is monochromatic, that is all light is produced in the most efficient area of eye response—the colour amplifies contrast and is restful to the eye.

Trouble-free Operation

1. LONG LIFE.
2. STARTS IMMEDIATELY on switching and runs up quickly to full brightness.
3. STARTS AND RUNS at any temperature, low or high.
4. POWER INTERRUPTION. Restarts immediately at restoration of power, even if only momentary break.
5. RESPONSE TO VOLTAGE VARIATION. SUPER SOX are relatively insensitive to marked variations in supply.

Control Gear

Sodium lamps must be operated in conjunction with suitable control gear. A complete range of ballasts and capacitors are available, including gear for 240V only, tapped operation and in drip-proof form. Full details of control gear and lanterns on application to G.E.C.

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