

A hand is shown holding a glowing Osram Solarcolour lamp. The lamp is a pear-shaped, frosted glass bulb with a standard screw base. The light from the lamp is a warm, golden-yellow color. The hand is positioned to the left of the lamp, with fingers gently gripping it. The background is plain white.

# Osram PLUG-IN Solarcolour

— lights the way to a better environment, now.

Good lighting is one of the most economic ways of producing a better environment. The big problem is to combine versatility with a high light output.

Osram-GEC's widely-used and thoroughly-proven Solarcolour lamps achieve this to perfection. They give out a golden-warm light with natural colour rendering and have a guaranteed life of 4,000 hours (objective average life 6,000 hours).

The Solarcolour range includes a series of lamps that are *direct plug-in replacements* for mercury lamps. This means that if you have existing 250W or 400W mercury installations you can get all the benefits of Solarcolour simply by changing lamps and checking wiring.

The cable insulation between these lamps and the control switch or cut-out must be PVC or similar approved material.

\*Bonus of additional light

\*No need for additional control gear

\*Released mains capacity created

## Where to use Solarcolour

Because of their warm sunny light colour rendering and long life, Solarcolour lamps can be used in almost every type of installation — factories, warehouses, shopping centres, streetlighting, shipyards, sports arenas, high-bay and area floodlighting. In fact, wherever a welcoming, well lit atmosphere is essential.

### 310W plug-in Solarcolour for maximum economy

Where maximum economy and the releasing of mains energy for other uses is the prime consideration choose the 310W version. It gives an extra bonus of up to 47% extra light.

It should be used where the installation utilises a tapped choke. Tapping should be set 10 volts higher than the actual supply voltage. To achieve .85 power factor it may be necessary to add a small additional capacitor to raise the value to 25 mfd.

### 360W plug-in Solarcolour for maximum light increase

Where maximum increase of light output is the major need; up to 60% while still achieving a reduction in wattage.

### 220W plug-in Solarcolour

The latest addition to the range — replacing the 250W mercury lamp.

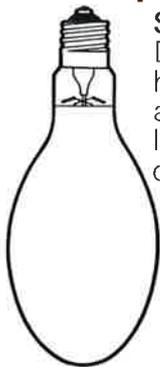
No tapping change in the choke is necessary.

# THE PLUG-IN SOLARCOLOUR RANGE

Watts	Type	Replaces Mercury Lamp	Mercury Lamp Design Lumens	Solarcolour Design Lumens
220	Clear Tubular	250W MB/U	11,000	19,000
220	Elliptical Diffusing	250W MBF/U	12,100	18,000
310	Clear Tubular	400W MB/U	20,000	32,000
310	Elliptical Diffusing	400W MBF/U	21,700	30,000
360	Clear Tubular	400W MB/U	20,000	36,500
360	Elliptical Diffusing	400W MBF/U	21,700	34,500

Objective average life 6,000 hours  
Individual lamp guarantee 4,000 hours

## The types - physically same size as the equivalent mercury lamp



**Solarcolour SON** – Elliptical Diffusing – replaces an MBF/U has similar optical characteristics and will not disturb designed light distribution from lanterns or fittings.



**Solarcolour SON/T** – Clear Tubular – replaces MB/U or MBF/U if in diffusing fitting.

## Operating position

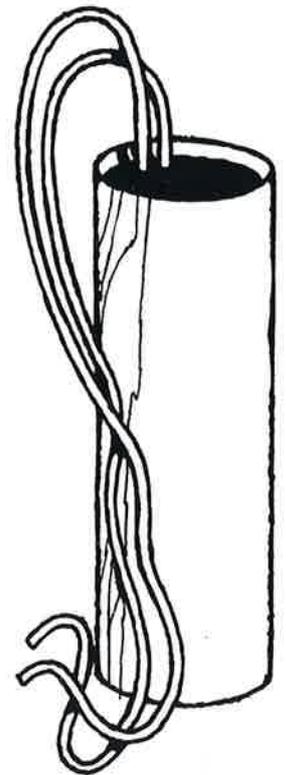
The shaded portion of the diagram shows the position in which the lamp must not be mounted.



## Supplementary starting

The internal Solarcolour snap starter is simple and reliable and generally starts the lamp after 40 seconds. But for extra-rapid start and re-start the Osram Electronic Starter OS17S may be fitted externally on selected lamps or a whole installation.

The starter generates a high voltage pulse of very short duration, in short bursts of energy and low repetition rate. It is designed for operation at  $-10^{\circ}\text{C}$  to  $70^{\circ}\text{C}$  ambient temperature, and can be sited in lanterns or fittings, or at a remote position. It senses a failed lamp automatically and switches itself off after about  $2\frac{1}{2}$  minutes. This avoids the continuous radio interference often experienced with other starters.



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