

EVEREADY LIGHTING

FAQS



Are incandescent lamps used in light gardening?



Incandescent lamps are often used to light flowering plants since they are generally strong. However, these lamps also give off extensive heat, which could in fact damage your plants. This includes reflector lamps.

To avoid extreme heat, use EVEREADY's compact fluorescent reflector lamp

To avoid extreme heat, use EVEREADY's compact fluorescent reflector lamp (PAR 38CFLR40, Product Code 1142147). It provides clear light with less heat than the incandescent reflector lamp. It also uses only 20 watts of electricity, has a 6000 hour average lifespan, and a Cool White colour (6400K) suitable for flowering plants.



How do incandescent lamps work?

The process in which an incandescent lamp works is very simple. When the tungsten filament is heated, it glows. Electricity comes

into the lamp through a hot wire connected to a tab at the base of the lamp. The electricity goes through a thin wire leading to a piece of tungsten. The tungsten is very thin and looped to maximize resistance in the wire. When electricity comes into contact with the resistance, it heats up the resistor, (a passive two-terminal electrical component that implements electrical resistance as a circuit element).

When the tungsten heats up, it reaches a temperature of about 2482° Celsius. This



causes the tungsten to get white hot. Tungsten is used in an Incandescent lamp because it has a very high melting point.

The tungsten is enclosed in a globe for good reason. The globe protects people and objects from being burned and it also prevents oxygen from coming into contact with the hot metal, which would otherwise make the metal burn up immediately. The globe is usually filled with a low pressure, inert gas.

After the electricity has made its way through the tungsten filament, it goes down another wire and out of the bulb through the metal portion at the side of the base. It goes into the fitting and out through the wire.

Interesting

facts



EVEREADY (PTY) LTD, South Africa's leading battery manufacturer, has evolved into a diverse company. Our products are characterized by manufacturing excellence, quality and a passion for the environment. A unique people culture makes us



LIGHTING