

Compact Fluorescent Lamp (CFL)

This compact fluorescent lamp is designed to replace an incandescent lamp. It uses less power and lasts longer.



Product Overview

Compact Fluorescent Lamp (CFL) Technology

The Compact Fluorescent Lamp (CFL) is an energy-efficient lighting solution designed to replace traditional incandescent bulbs. By utilizing a curved or folded tube design and an integrated electronic ballast, these lamps provide the same visible light output while consuming significantly less power. They offer a practical balance of longevity and energy savings for various lighting applications.

Performance Metrics

Power Efficiency

33 %

Max Power Usage vs Incandescent

Lifespan vs Incandescent

15 x

Max Lifespan Multiplier

Technical Details

Design Features

- Curved or folded tube design
- Integrated compact electronic ballast
- Fits standard incandescent fixtures
- Energy-saving operation

Market Positioning

Comparison Table

Comparison Metric	CFL Status
Energy Usage	1/5 to 1/3 of Incandescent
Lifespan	8 to 15 times longer than Incandescent
Initial Purchase Price	Lower

Certifications and Types

Product Types

Energy-saving light, Compact fluorescent tube, Incandescent replacement