

SCARF is a company limited by guarantee (No 94819) and a registered charity (No: SCO 006901)

## Fact Sheet

### REF: 202 COMPACT FLUORESCENT LIGHT BULBS (CFLs)

These bulbs are also commonly referred to as low energy light bulbs and use approximately 20% of the energy of a standard tungsten light bulb to produce the same brightness. They are available in both bayonet and screw fitting and can be used to replace standard light bulbs. They work off the standard 230V supply and should not be confused with low-voltage lamps, which do not offer significant energy or cost savings. CFLs have an expected lifespan that is more than 6 times longer than an ordinary tungsten bulb, 15,000+ hours as opposed to 2,000 hours (NB. Be careful when buying CFLs, as some cheaper bulbs may have only 5,000 hours lifespan).

The price of a CFL (usually about £4 each) sometimes discourages some people from buying them but when you compare the running costs of the bulbs then CFLs make more sense. Refer to the table below to see how much one CFL can save:

Bulb type	Power consumed (watts)	Average Purchase Price	Cost to run for 8 hours	Cost to run for 1 year for 8 hrs /day	Cost to run for 6 years	Cost to buy bulbs for 6 years	Total cost over 6 years
Standard tungsten	100	£0.50	5.6p	£20.44	£122.64	£3.00	<b>£125.64</b>
CFL	20	£4.00	1.1p	£4.01	£24.06	0	<b>£24.06</b>
<b>Saving</b>							<b>£101.58</b>

There are some minor drawbacks with standard CFL's. When they are first switched on they are duller and can take about 1 minute before reaching full brightness. They cannot be used with dimmer switches. Many of the most popular types are approximately 50mm longer and therefore do not suit all light shades although they are now available from specialist lighting shops in many shapes and sizes. Here is a small selection:



The provision of CFL's is part of the Warm Deal Grant, wherein if you are getting one of the major measures done, it may be possible to get up to 4 CFLs. The Electricity supply companies frequently offer these bulbs at discounted prices and they are available from many shops and supermarkets.

For further information on CFLs or the Warm Deal grant eligibility contact SCARF on **FREEPHONE 0800 512012**.

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#### Mission Statement

SCARF aims to work through partnership to promote sustainable use of energy, eradicate fuel poverty and create sustainable employment and training opportunities.

#### Core Objectives

- + To provide free impartial and accessible energy efficiency advice and information services to help save energy, save cash and help save the environment.
- + To encourage investment in energy efficiency and renewable energy measures and grant take up for property improvements to achieve affordable warmth.
- + To create sustainable employment and training opportunities.

#### SCARF Provides

**One Stop Energy Advice Shop** offers free impartial advice and information:

- + Energy efficiency in the home, business and the community
- + Renewable energy in the home, business and the community
- + Grants for loft and cavity wall insulation
- + Grants for draughtproofing
- + Grants for central heating
- + Grants for renewable energy installations
- + Paying for fuel and fuel suppliers
- + Choice and operation of heating and hot water systems

#### SCARF also offers:

- + Home visits
- + Home energy checks
- + Presentations and informal training
- + NVQ and City & Guilds Qualifications

