



GREEN 
HOME
FESTIVAL

BROUGHT TO YOU BY THE 

THE ELECTRICAL PERSPECTIVE

 **SELECT**

GREEN
HOME
FESTIVAL

BROUGHT TO YOU BY THE 

WHAT ARE THE OPTIONS FOR MORE
ENERGY EFFICIENT LIGHTING?

 **SELECT**

ENERGY EFFICIENT LIGHTING

- Light-emitting diodes (LEDs)
- Can be retrofitted
- Recommend fittings where you can replace lamps yourself, reducing travel
- Recessed LEDs will need fire and acoustic rating
- 75% of fixed light fittings or lamps should be low-energy
- Dimmable switches can reduce electricity usage



GREEN 
HOME
FESTIVAL
BROUGHT TO YOU BY THE 

WHAT ARE THE OPTIONS FOR MORE ENERGY EFFICIENT WATER HEATING?


 **SELECT**

SOCKETS, SINKS AND COOKERS

- Instantaneous hot water taps
- No gas boiler required
- No heat loss through pipework
- Supplied from 13A socket-outlet
- Normally sited under the sink
- Power can be low as 1600w – about half of boiling a kettle
- Air source heat pumps and ground source heat pumps can also heat hot water



GREEN 
HOME
FESTIVAL

BROUGHT TO YOU BY THE 

WHAT ARE THE OPTIONS FOR MORE
ENERGY EFFICIENT COOKING?

 **SELECT**

ENERGY EFFICIENT COOKING

- Electric induction hobs more efficient than standard hobs
- Coils create a magnetic field and heat the pan directly
- No wasted heat energy
- Some may need individual hard-wired supply
- Others can use standard 13A socket
- Both are energy efficient



GREEN 
HOME
FESTIVAL

BROUGHT TO YOU BY THE 

WHAT'S THE REQUIREMENTS
FOR SOCKETS IN A KITCHEN?

 **SELECT**

SOCKET-OUTLETS IN A KITCHEN

BS 7671 says:

- No specific number
- Should be installed correctly
- Accessible sockets for mobile equipment, e.g. toasters



SOCKET-OUTLETS IN A KITCHEN

SBS says:

- 6 in kitchen
- 3 above worktop
- 400mm above floor
- 150mm above work surface
- 350mm from internal corner
- Accessible switches required for hidden socket-outlets



GREEN 
HOME
FESTIVAL

BROUGHT TO YOU BY THE 

HOW FAR SHOULD SOCKETS BE
FROM SINKS AND COOKERS?


 **SELECT**

SOCKETS, SINKS AND COOKERS

- Not possible to define an exact distance due to size differences in kitchens
- Any socket-outlet must be appropriate to its location
- Must be installed as far away from sink as possible
- Mount above sink height at least 300mm from sink bowl
- Don't put at rear of hobs



GREEN HOME FESTIVAL

BROUGHT TO YOU BY THE 

ANY QUESTIONS?

 **SELECT**