

## WHAT IS L.E.D & COB?

**L.E.D:** stands for "Light Emitting Diode", an L.E.D is a small piece of semi conducting material that contains various compounds. When electricity is passed through these semi conductive materials light is emitted in the form of photons. This process is call electro-luminescence.

**COB L.E.D:** COB is a new technology that has changed the face of bulbs for the future, using silicon/chip technology COB lights now use less battery power while providing far superior brightness that is unrivalled by any other lamps on the market.



### EFFICIENCY



### COB L.E.D.

Typical L.E.D light life span 20,000 (L.E.D) To 50,000 (COB L.E.D) Hours



### L.E.D

An L.E.D light can produce the same amount of lumens as an Incandescent while using only 25% of the power. Up to 90% of incandescent lights energy is heat created by electrical resistance filament (i.e they are more efficient as heaters than lights).



RoHS - Restriction Of Hazardous Substances'. The 'Restriction Of Hazardous Substances' directive is put in place to ensure all componenets of our electrical products will not endanger the user. All our lights are tested to this standard with compliance.



CE - This symbol indicates conformity of essential health and safety requirements as set out in European directives.