

COB (CHIPS ON BOARD)

COB (Chips on board) is a new revolutionary lighting technique that will replace the traditional LED light in the coming years.

COB is multiple little lighting chips placed on a flat yellow strip which provides many advantages:

1

COB is one steady light source giving a much higher quality of light than LED using multiple small light sources.

2

COB uses the energy sources more efficiently than regular LED lights resulting in a longer life cycle for the product.



LIGHTSOURCES

Lightbulb

Electricity warms up thread that lights up because of heat

Halogen

Electricity warms up thread that lights up because of heat

Fluorescent lamp

Gas warms up emits light

LED

Light Emitting Diode. Current running through magnetic charged parts make electrons and positive parts move towards each other. When colliding, energy (protons) is released, which emits the light

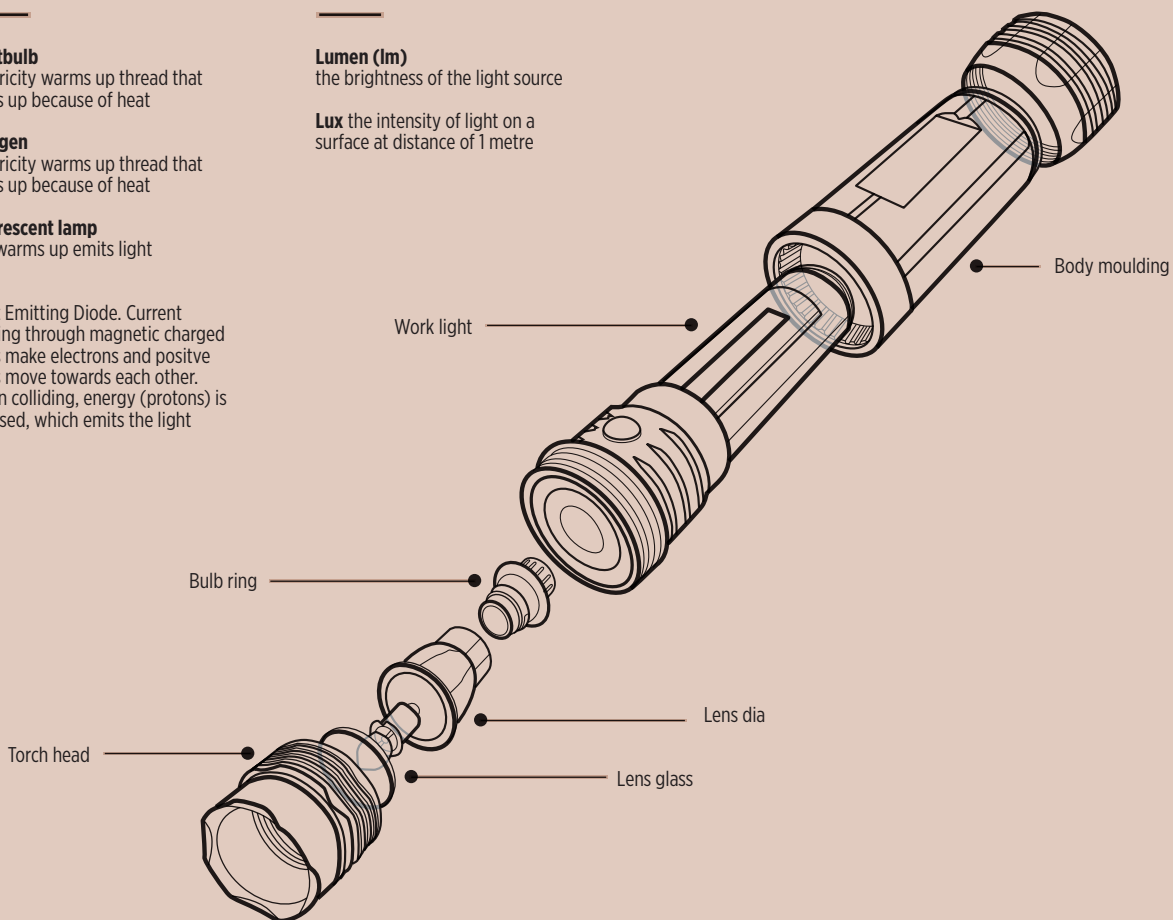


LIGHT INTENSITY UNITS

Lumen (lm)

the brightness of the light source

Lux the intensity of light on a surface at distance of 1 metre



* Exploded view of the **Swiss Peak COB torch with headlight**