

HOLLOW FLASHLIGHT

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The human body, at any given moment, produces energy equivalent to a 100 watt light bulb. In that sense, we're always wasting our energy—energy that can be used to, well, power a light bulb. It's this line of thinking that led a 16 year old to invent the first flashlight powered entirely by body heat.

Ann Maksinski invented a battery free flashlight. A hollow flashlight is a free energy device that is powered by heat in our hand. She knew that heated conductive material causes electrons to spread outwards & that cold conductive material causes electrons to condense inwards. So if ceramic tile is heated & it pressed against ceramic tile that is cool, then electron will move from hot to cool tile producing current called thermoelectric effect. Her idea was to design flashlight so when it was gripped in our hand, our palm come in contact with topside of tile & start heating them. This meant that air in tube keep underside of her tile cooler than heated topside of tiles. This generates a current from hot side to cold. So LED connected to tiles would light up. This hollow flashlight is the first that did not use batteries, toxic chemicals.