The Wavelength & of VISIBLE light is in the range of 4000-5000 A. Then

Energy of 4000 A° light = hc = (6.626×10<sup>39</sup>s)

(3×10<sup>8</sup>mls)

(1.6×10<sup>19</sup>J/ev)

= 3.106 ev

Energy of 7000 A° light =  $\frac{6626 \times 10^{-34} \times 3 \times 10^{8}}{7000 \times 10^{-10} \times 1.6 \times 10^{-19}}$ = 1.77 eV

The work function of tringsten is 4.2ev which is more than energy range of visible light Hence bonum is the only material useful for the purpose