

24 A horizontal beam of light is incident normally on a polarising filter. The incident light is vertically polarised and has an intensity of 24 W m^{-2} . The direction of the transmission axis of the filter is at an angle of 30° to the vertical.

What is the intensity of the light in the transmitted beam?

A 18 W m^{-2}

B 21 W m^{-2}

C 28 W m^{-2}

D 32 W m^{-2}