16. Light from a point source is incident on a screen. The screen is 3·0 m from the source. The irradiance at the screen is 8·0 W m^{-2}.

The light source is now moved to a distance of 12 m from the screen.

The irradiance at the screen is now

A 0·50 W m^{-2}

B 2·0 W m^{-2}

C 4·0 W m^{-2}

D 6·0 W m^{-2}

E 8·0 W m^{-2}.