15. A point source of light is 8·00 m away from a surface. The irradiance, due to the point source, at the surface is 50·0 mW m^{-2}. The point source is now moved to a distance of 12·0 m from the surface.

The irradiance, due to the point source, at the surface is now

A   22·2 mW m^{-2}

B   26·0 mW m^{-2}

C   33·3 mW m^{-2}

D   75·0 mW m^{-2}

E   267 mW m^{-2}.