

15. The irradiance of light incident on a surface from a point source is 20.0 W m^{-2} .
The distance between the point source and the surface is 5.0 m .
The point source is now moved to a distance of 25.0 m from the surface.
The irradiance of the light incident on the surface is now:

- A 0.032 W m^{-2}
- B 0.80 W m^{-2}
- C 1.2 W m^{-2}
- D 4.0 W m^{-2}
- E 100 W m^{-2} .