

Ch 24 HW Quiz #1A

A 60.0-Watt light bulb emits light uniformly in all directions. At a distance of 3.5 meters from the bulb, determine...

- a) The intensity of the light
- b) The rms value of the electric field
- c) The amount of time it would take for a device to collect 25 Joules of energy from the light.
Assume the device has a collecting area of 1.0 square meters.