

P 33. IN LAMPS POWER LOSSES' AVAILABILITY IN BUILDING HEATING

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ABSTRACT: Lighting lamps and armatures plays an important role in electrical energy consumption. A lighting device, regardless how high luminous efficiency, it has minimum 75-80 per cent of energy from taken power supply radiates heat around. Incandescent-based lighting devices, you can find the 95% of those. While this ratio is determined, it is based on the wavelengths of light that can be seen by the human eye. In this study, which is required for the formation of luminous flux, a portion of the energy losses, aims to use for heating in winter conditions. Exterior lighting devices to be mounted near of a high building as factories, schools etc. to be taken outside the building were discussed. Thus, the heating energy savings can be achieved modelled for the purpose of application, results are shown that may occur.

Keywords: Lighting, Lamp, Heating, Environmental, Efficiency