

**HEAT LOSSES OF ENERGY EXCITATION IN PHOSPHOR***YANGYANG JU, V. M. LISITSYN AND S. A. STEPANOV**National Research Tomsk Polytechnic University, Russia  
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In this paper, showed the results of heat losses in phosphor-converted LEDs (hereinafter chips) during spectrum conversion. The limit values of the luminous efficacy for LEDs are evaluated.

**Keywords:** *phosphor, spectrum conversion, heat losses.*