

Abstract

Light pollution is an environmental problem caused by overuse of artificial light at night. Light pollution mainly affects densely populated areas and industrial regions. In addition to night sky brightening, light pollution also causes discomfort and has negative health and environmental impacts. The literature review of this bachelor thesis deals with light, light pollution and the study area in three chapters. The aim of the practical part is examination of interaction of landscape and light pollution. On the basis of field measurements by the Sky Quality Meter in the surroundings of Kladno, the effect of forest on propagation of light pollution is assessed. The working hypothesis assumes the barrier effect of the forest. The hypothesis is not safely confirmed by the results, nevertheless the influence of Prague on night sky brightness has been shown.

Keywords: light pollution, night sky brightness, barrier effect of forest, Sky Quality Meter, Kladno region