

## COLOURS IN LIGHTING SYSTEMS

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**Abstract.** *Starting from idea to have reduced energy consumption, the project has been developed by using LED technology (Light Emitting Diode). Further on, the paper aims to develop a lighting system with color temperature control, and respectively lighting level control. The purpose of this study is creating a prototype for one indoor and outdoor industrial lighting system, and also implementing characteristics useful for medical applications.*

**Keywords:** RGB LED, LabVIEW, Cypress, Philips

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