

PROJECT / Visible Light Communications for LED based Public Lighting Systems

VLC Lighting

Main Objective:

Project VLCLighting aims at the exploitation of Visible Light Communication (VLC) concepts on public lighting systems. Like PLC, VLC is based on an existing infrastructure. Using LEDs for both illumination and communication purposes presents new design perspectives, able to promote system performance: replacing PLC or Zigbee interfaces

by a VLC transceiver allows the reduction of deployment and/or operational costs, and improves energy efficiency. More important than this, VLC enables better service support: the visible light spectrum is not constrained by international regulations.

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