PL - Lux Sensor

Introduction

PL - Lux Sensor is a light sensor with powerline interface. It has a signed 15-bit resolution.This sensor is capable of rejecting 50Hz and 60Hz flicker caused by artificial light sources. The lux range select feature allows the user to program the lux range for optimized counts/lux.
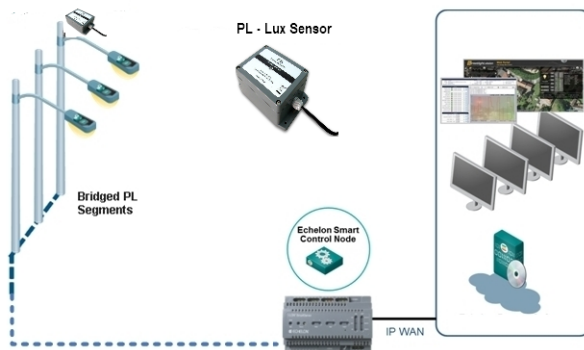
Features

■ Configurable Lux range (4 Ranges)

■ Human eye response (540nm peak sensitivity)

■ Temperature compensated

■ Signed 15-bit resolution

Application

■ Street Light Network

■ Lighting Quality Monitoring

■ Ambient Based Lighting Control

Installation

● PL-Lux sensor can directly bind with smart server as well as segment controller.

● As any changes noticed in light level in environment, PL-Lux sensor will generate an event to set light level of segment controller according to that change. And this event can also be send to smart server.

● It measure the Lux level and it can also predict scene - number.

Specifications

Operating Temperature	0ºC to 70ºC
AC Supply Voltage	90V to 277V, 0.2A
Lux Range	0.5 Lux to 128000 Lux
PL Chip	PL - 3120
PL Communication Protocol	ISO/IEC 14908 - 1
Dimension	145 x 91.4 x 55 mm
Approvals/Qualification	Pending