



# STREET LIGHT CONTROL SYSTEM «LIGHT-09»

Shakhty, Rostov region, Russian Federation  
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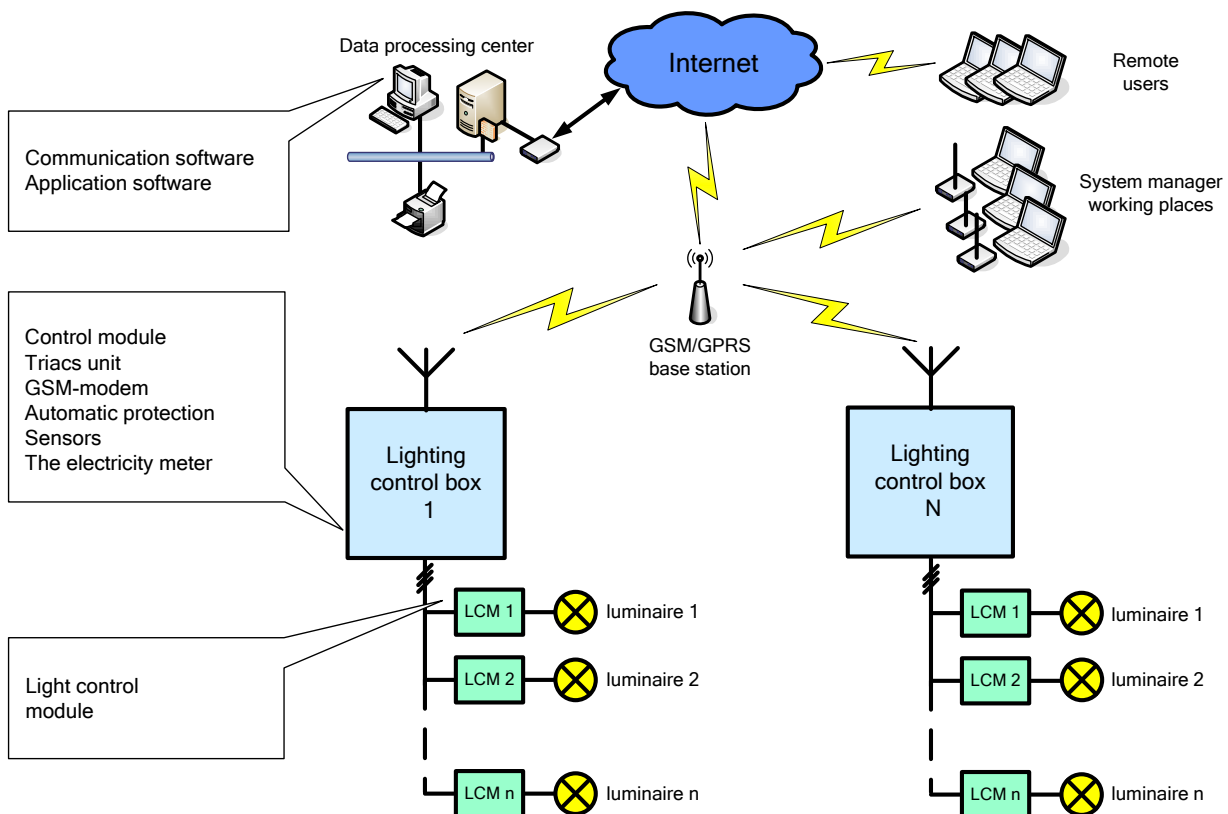
## ABSTRACT

Street light control system "Light-09" transforms streetlights into intelligent, energy-efficient, remotely managed system.

Street light control system "Light-09" controls streetlights operating modes of settlements, transport highways, large industrial, logistic, trade and other facilities.

Street light control system "Light-09" reduces energy consumption and operating costs by 25-30%, supports a comfortable and safe environment in the service area.

## SYSTEM STRUCTURE



## THE UNIQUE FUNCTIONS

- the light sources can be used induction lamps, gas discharge lamps and LEDs;
- address control of individual or groups of luminaire over power line (switch on, switch off, reducing power to 50%);
- automatic hardware diagnostics (equipments, lamps, power lines);
- remote technological Internet-monitoring using Web-site;
- remote control (GSM).

## SCREEN FORMS OF WEB-SITE



## EQUIPMENT

### Lighting control box (LCB)

Lighting control boxes have a three-phase or single-phase exterior design.

- Three-phase – 3x100 A / 3x50 A, 380 V.
- Single-phase – 50 A, 220 V.

LCB sends address commands to light control modules by power line (up to 250 modules/light sources per phase).

### Luminaire control module (LCM)

Available in two options:

- Electronic ballast for gas discharge lamps with integrated power line command receiver (PLCR);
- Enclosed PLCR for other light sources (LED, induction lamps, etc.).



LCB



Electronic ballast 1x150 A



PLCR v.2.1

## LCM INSTALLATIONS



Electronic ballast with  
HPS luminaire



PLCR with induction lamp  
luminaire



PLCR with LED  
luminaire

## CERTIFICATES



## PRODUCTION

Product	Current or Power	Dimensions, mm	Weight, kg
LCB 1x50	50, A	800x450x200	23
LCB 3x50	50, A	1000x500x200	35
LCB 3x100	100, A	1000x500x200	37
Electronic ballast 1x100	100, W	85x174x39	0,35
Electronic ballast 1x150	150, W	85x174x39	0,35
Electronic ballast 1x250	250, W	105x174x43	0,51
Electronic ballast 1x400	400, W	119x185x42	0,62
PLCR v.2.1	2x5, A	80x80x40	0,15