



SAYYID AHMAD BADAWI BARAKAT

Control system and street
lights installation

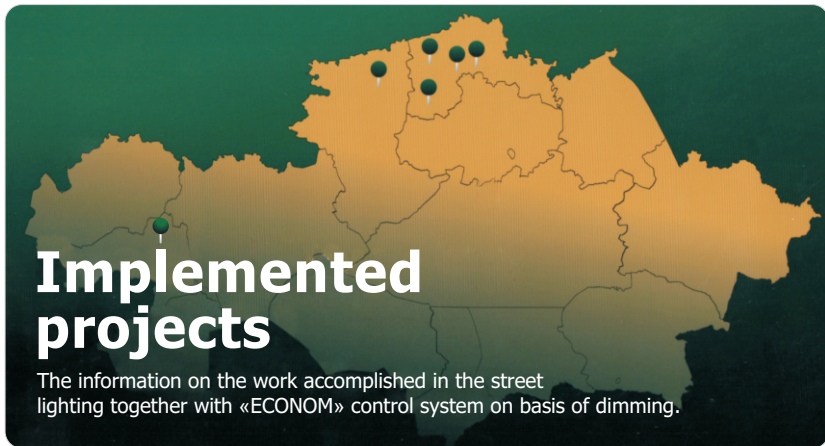


OUR ADVANTAGE



Exclusive right to install the computer program «Control system and installation of street lighting «ECONOM» based on dimming»

Possibility of system control through software.



Successfully implemented projects

Total length
125,1 km

Total quantity of lamps
3547 pcs

**Makhambet district
Saraychik vill.
2023**

length
11 km

Quantity of lamps
345 pcs

**Taiynshin district
Petrovka vill.
2022**

length
13 km

Quantity of lamps
449 pcs

**Shal Akyn district
Sergeyevka vill.
2021**

length
25 km

Quantity of lamps
743 pcs

**Kyzylzhar district
Teplichnoye vill.
2020**

length
13,5 km

Quantity of lamps
266 pcs

**Zhambyl district
Presnovka vill.
Blagoveshchenka vill.
2020**

length
47 km

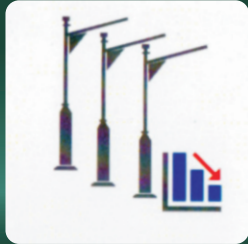
Quantity of lamps
722 pcs

**Petropavlovsk city
2018-2020**

length
15,6 km

Quantity of lamps
1022 pcs

LED LUMINAIRE "ECONOM"



HIGH EFFICIENCY

Reducing the total cost of the project by reducing the number of lumps, materials, equipment, work and time



LONG LIFE PERFORMANCE

Extended lifespan compared to analogs



HIGH QUALITY

No pulsation, accurate color rendition, creating soft and comfortable light for city residents

COMPARATIVE TABLE

SELECTED LUMINAIRES BASED ON SIMILAR TECHNICAL SPECIFICATIONS:

	DRL	Conventional LED luminaire	Dimmable LED luminaire
Luminous flux	12 000 Lm	23 000 Lm	22 700 Lm
Power consumption	250 W	200 W	155 W
Annual energy consumption	266 450 kW	80 300 kW	55 444 kW
Electricity cost	11 457 350 kzt	3 452 900 kzt	2 384 071 kzt

* For comparison, 100 luminaires were selected.

* The energy tariff is 43 KZT per 1 kWh.

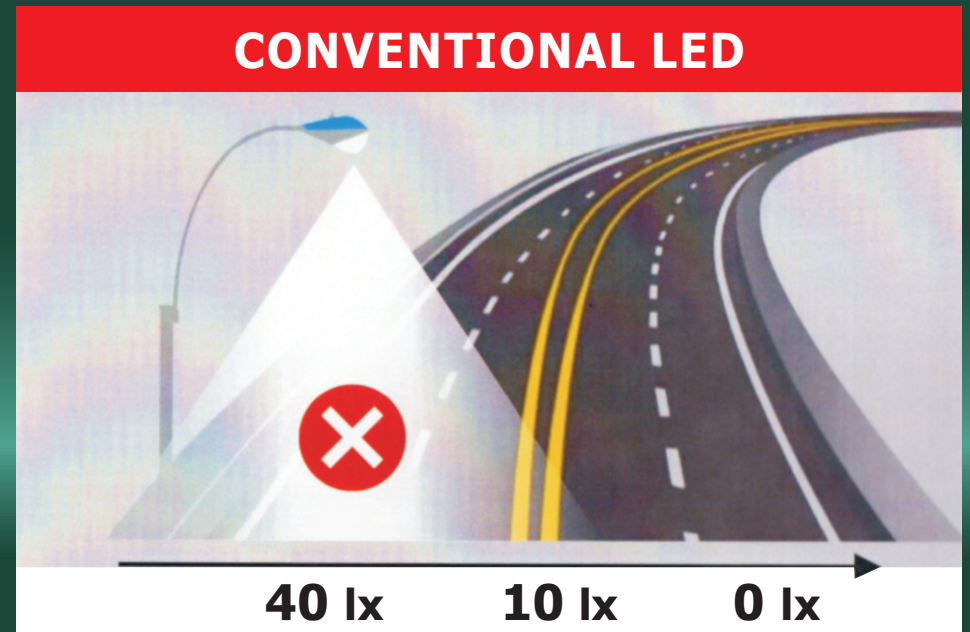
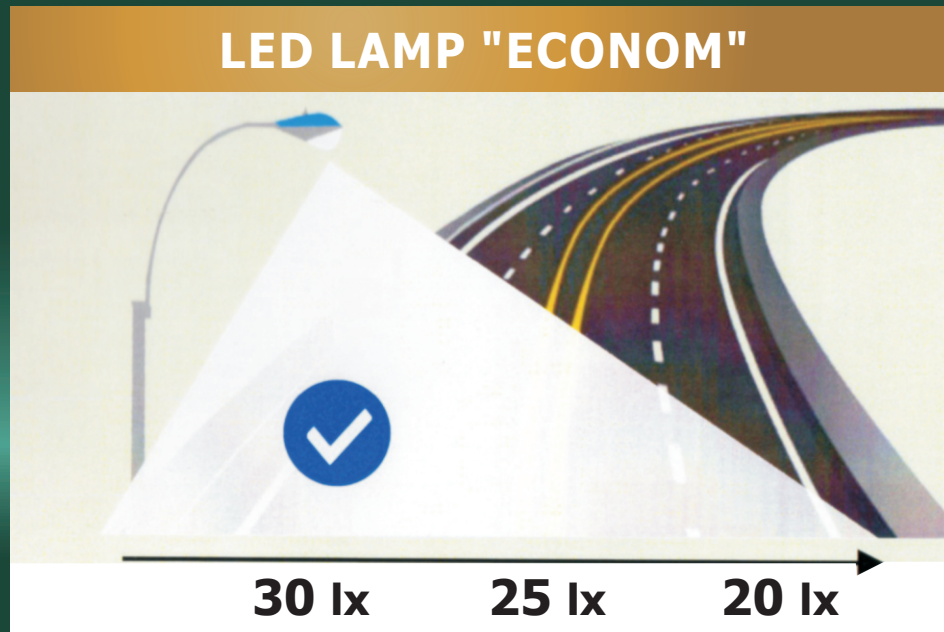
LONGITUDINAL LIGHT DISTRIBUTION

ASYMMETRIC EMISSION
+ high light efficiency

SYMMETRIC EMISSION
+ low light efficiency

LED LAMP "ECONOM"

CONVENTIONAL LED

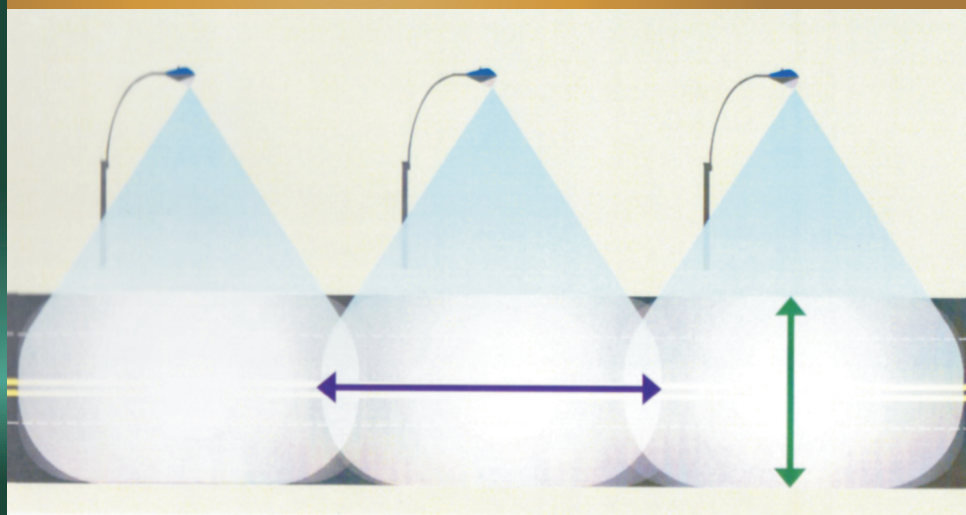


UNIFORM ILLUMINATION
distribution on the road surface

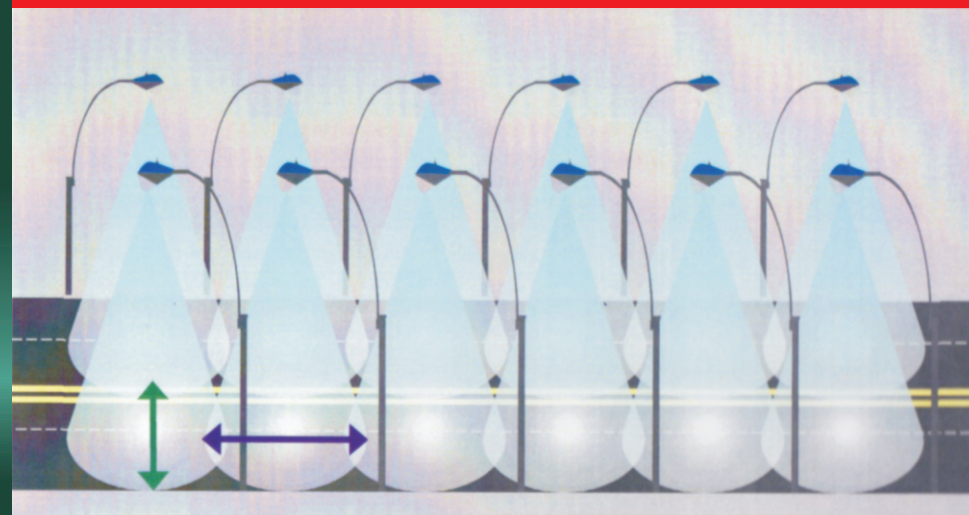
UNEVEN ILLUMINATION
distribution on the road surface

NUMBER OF LIGHT POINTS DEPENDING ON LUMINAIRE QUALITY

LED LAMP "ECONOM"



CONVENTIONAL LED



longitudinal light distribution



cross-sectional light distribution



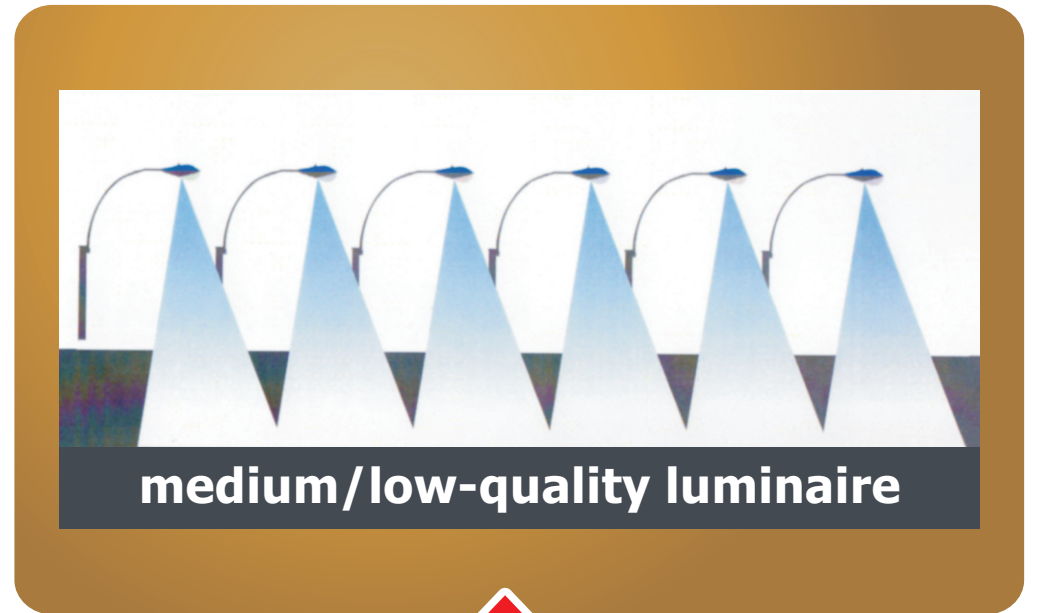
Low light output and poor light distribution of the ANALOG lead to a reduced pole spacing and two-sided luminaire installation.

IMPACT OF LUMINAIRE QUALITY ON PROJECT COST



REDUCES

the overall project cost



INCREASES

the overall project cost

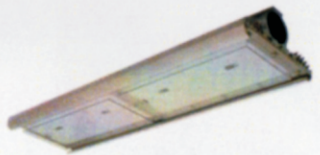
LUMINAIRE LIFESPAN



100 000
hours



30%
brightness
reduction



**CONVENTIONAL
LED**



from 50 000 to
100 000 hours



* IP 67 Testing: The luminaire undergoes IP 67 testing, classifying the degree of protection against the penetration of solid objects and water into the luminaire housing.

SAYYID AHMAD BADAWI BARAKAT



WWW.SABBARAKAT.KZ

sabbarakat@bk.ru

+ 7 777 083 60 06

+ 7 702 735 03 13

+ 7 707 200 00 72

Republic of Kazakhstan,
North-Kazakhstan region,
166 bldg. Altynsarin srt., Petropavlovsk city