



STREET LIGHTING



LED LUMINAIRES FOR LIGHTING MAJOR THOROUGHFARES AND AVENUES

- International roads
- National highways
- Regional roads
- Bridge interchanges
- Overpasses
- Railway, airport, seaport infrastructures
- Petrol stations
- Sport Facilities

LSL 02-36

SOFTWARE CONTROL OF POWER SUPPLY OUTPUT CURRENT

78 W



Luminous flux: 9,000 lm



Overvoltage resistance: 10 kW



Warranty: 5 years



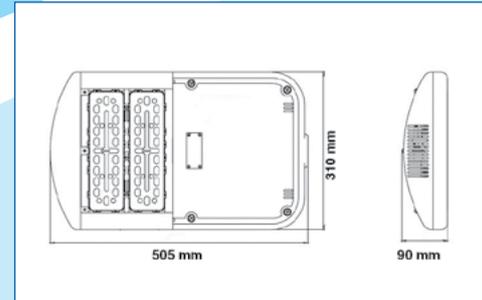
MODIFICATIONS:

- LSL 02-36 - programmable night dimming mode
- LSL 02-36 A1 - minimum price
- LSL 02-36 A2 - cable mount

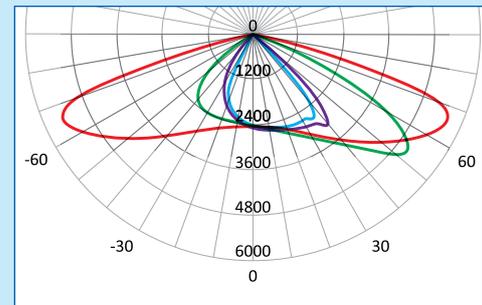


Main parameters and characteristics

Mount type	Console	
Nominal power consumption, W	78	
Power factor, no less than	0,94	
Luminous flux, lm, no less than	9,000	
Luminous efficiency, lm/W, no less than	115	
Circuit voltage, frequency	187 – 253 V, 50/60 Hz	
The type of light intensity distribution curve according to GOST 17677:		
• in the transverse plane	Wide	
• in the longitudinal plane	Special	
Light distribution class according to GOST 17677	Direct light	
Light distribution type in glare zone	Fully limited	
Color temperature, K	≤ 4,000 (NW) or ≥ 5,000 (CW)	
Color rendering index (Ra), no less than	70	
Operating temperature range according to GOST 15150	Y1 (from -40 to +45°C)	
Protection level according to ISO IEC 60598-1:		
• Cover protection level	IP23	
• Protection level of light-emitting modules	IP66	
Accordance to standards	IEC 60598-1, IEC 60598-2-3, CISPR 15, IEC 61000-3-2, IEC 61000-3-3, IEC 61547	
Weight, kg:	• LSL 02-36, LSL 02-36 A1	6.8
	• LSL 02-36 A2	6.5
Dimension, mm:	• LSL 02-36, LSL 02-36 A1	505 x 310 x 90
	• LSL 02-36 A2	435 x 312 x 135



Dimensions of the luminaire



Lighting distribution diagram

LSL 02-54

SOFTWARE CONTROL OF POWER SUPPLY OUTPUT CURRENT

115 W



Luminous flux: 13,500 lm



Overvoltage resistance: 10 kW



Warranty: 5 years

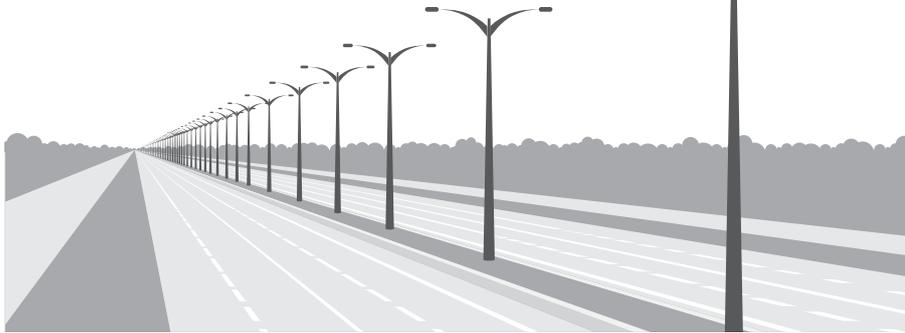


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MODIFICATIONS:

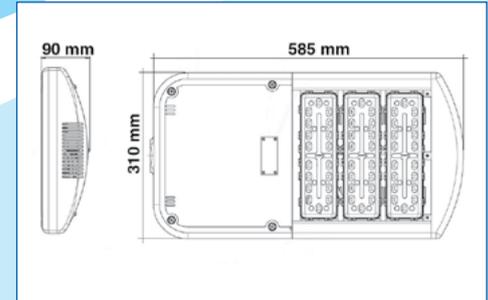
LSL 02-54 - programmable night dimming mode

LSL 02-54 A1 - minimum price

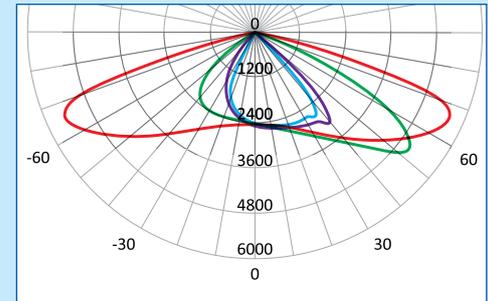


Main parameters and characteristics

Mount type	Console	
Nominal power consumption, W	115	
Power factor, no less than	0,94	
Luminous flux, lm, no less than	13,500	
Luminous efficiency, lm/W, no less than	117	
Circuit voltage, frequency	187 – 253 V, 50/60 Hz	
The type of light intensity distribution curve according to GOST 17677:		
• in the transverse plane	Wide	
• in the longitudinal plane	Special	
Light distribution class according to GOST 17677	Direct light	
Light distribution type in glare zone	Fully limited	
Color temperature, K	≤ 4,000 (NW) or ≥ 5,000 (CW)	
Color rendering index (Ra), no less than	70	
Operating temperature range according to GOST 15150	Y1 (from -40 to +45°C)	
Protection level according to ISO IEC 60598-1:		
• Cover protection level	IP23	
• Protection level of light-emitting modules	IP66	
Rim diameter, mm	48-52	
Accordance to standards	IEC 60598-1, IEC 60598-2-3, CISPR 15, IEC 61000-3-2, IEC 61000-3-3, IEC 61547	
Weight, kg:	LSL 02-54, LSL 02-54 A1	7.8
Dimension, mm:	LSL 02-54, LSL 02-54 A1	585 x 310 x 90



Dimensions of the luminaire



Lighting distribution diagram

LSL 02-72

SOFTWARE CONTROL OF POWER SUPPLY OUTPUT CURRENT

152 W



Luminous flux: 18,000 lm



Overvoltage resistance: 10 kW



Warranty: 5 years

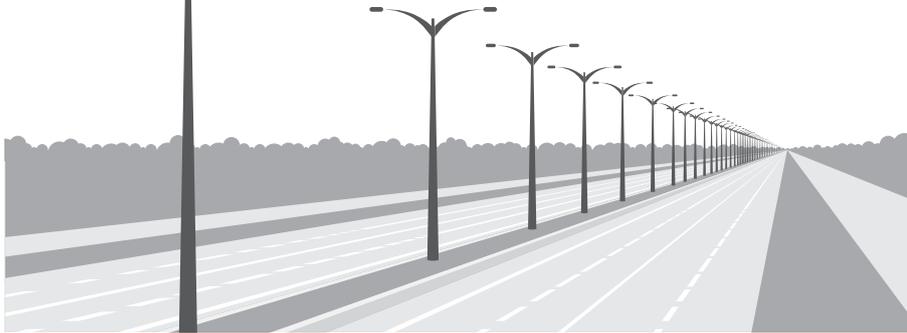


MODIFICATIONS:

LSL 02-72 - programmable night dimming mode

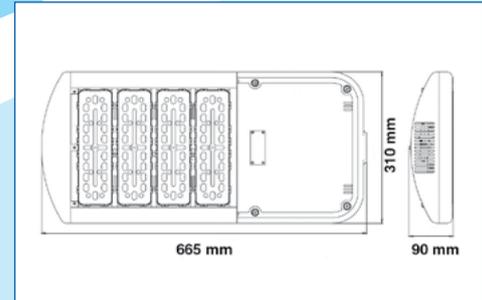
LSL 02-72 A1 - minimum price

LSL 02-72 A2 - cable mount

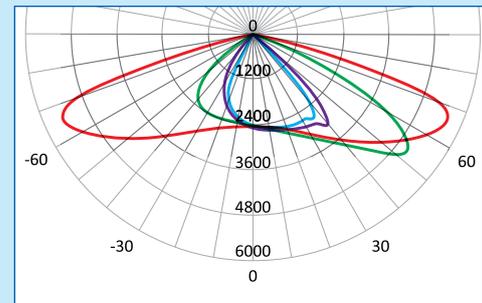


Main parameters and characteristics

Mount type	Console	
Nominal power consumption, W	152	
Power factor, no less than	0,94	
Luminous flux, lm, no less than	18,000	
Luminous efficiency, lm/W, no less than	117	
Circuit voltage, frequency	187 – 253 V, 50/60 Hz	
The type of light intensity distribution curve according to GOST 17677:		
• in the transverse plane	Wide	
• in the longitudinal plane	Special	
Light distribution class according to GOST 17677	Direct light	
Light distribution type in glare zone	Fully limited	
Color temperature, K	≤ 4,000 (NW) or ≥ 5,000 (CW)	
Color rendering index (Ra), no less than	70	
Operating temperature range according to GOST 15150	Y1 (from -40 to +45°C)	
Protection level according to ISO IEC 60598-1:		
• Cover protection level	IP23	
• Protection level of light-emitting modules	IP66	
Accordance to standards		
	IEC 60598-1, IEC 60598-2-3, CISPR 15, IEC 61000-3-2, IEC 61000-3-3, IEC 61547	
Weight, kg:	• LSL 02-72, LSL 02-72 A1	9.5
	• LSL 02-72 A2	9.0
Dimension, mm:	• LSL 02-72, LSL 02-72 A1	665 x 310 x 90
	• LSL 02-72 A2	630 x 312 x 135



Dimensions of the luminaire



Lighting distribution diagram

LSL 02-90

SOFTWARE CONTROL OF POWER SUPPLY OUTPUT CURRENT

192 W



Luminous flux: 22,500 lm



Overvoltage resistance: 10 kW



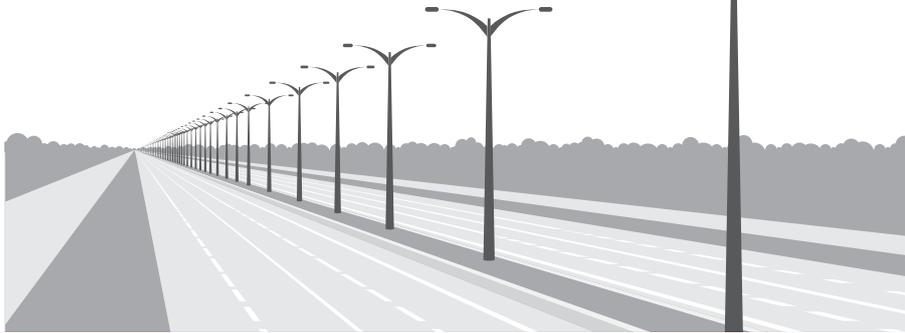
Warranty: 5 years



MODIFICATIONS:

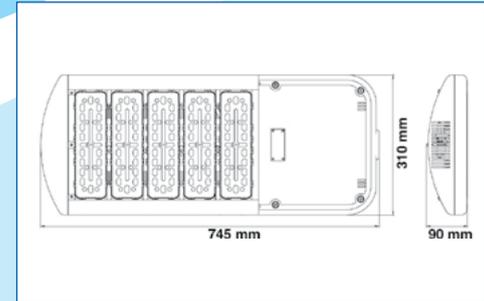
LSL 02-90 - programmable night dimming mode

LSL 02-90 A1 - minimum price

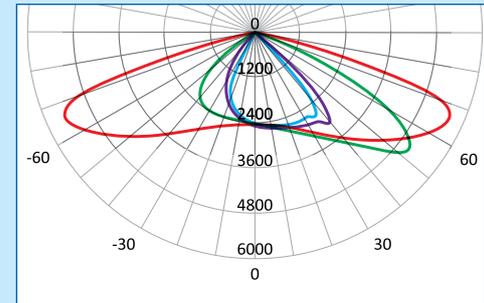


Main parameters and characteristics

Mount type	Console	
Nominal power consumption, W	192	
Power factor, no less than	0,94	
Luminous flux, lm, no less than	22,500	
Luminous efficiency, lm/W, no less than	117	
Circuit voltage, frequency	187 – 253 V, 50/60 Hz	
The type of light intensity distribution curve according to GOST 17677:		
• in the transverse plane	Wide	
• in the longitudinal plane	Special	
Light distribution class according to GOST 17677	Direct light	
Light distribution type in glare zone	Fully limited	
Color temperature, K	≤ 4,000 (NW) or ≥ 5,000 (CW)	
Color rendering index (Ra), no less than	70	
Operating temperature range according to GOST 15150	Y1 (from -40 to +45°C)	
Protection level according to ISO IEC 60598-1:		
• Cover protection level	IP23	
• Protection level of light-emitting modules	IP66	
Rim diameter, mm	48-52	
Accordance to standards	IEC 60598-1, IEC 60598-2-3, CISPR 15, IEC 61000-3-2, IEC 61000-3-3, IEC 61547	
Weight, kg:	LSL 02-90, LSL 02-90 A1	10.5
Dimension, mm:	LSL 02-90, LSL 02-90 A1	745 x 310 x 90



Dimensions of the luminaire



Lighting distribution diagram

LSL 02-108

SOFTWARE CONTROL OF POWER SUPPLY OUTPUT CURRENT

226 W



Luminous flux: 27,000 lm



Overvoltage resistance: 10 kW



Warranty: 5 years

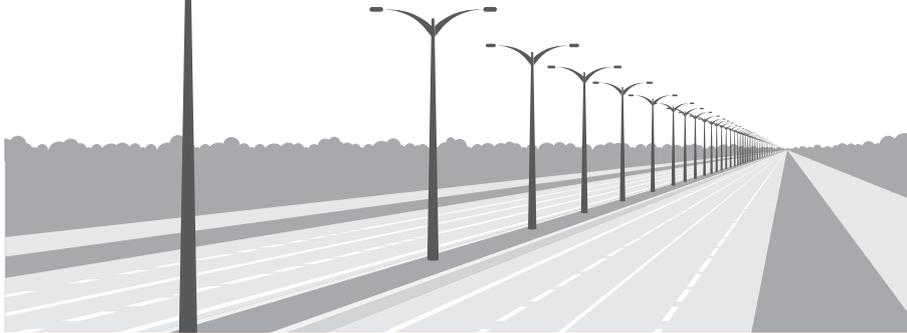


MODIFICATIONS:

LSL 02-108 - programmable night dimming mode

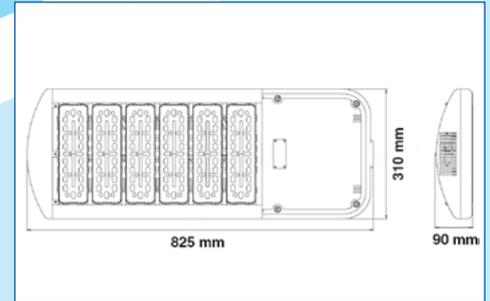
LSL 02-108 A1 - minimum price

LSL 02-108 A2 - cable mount

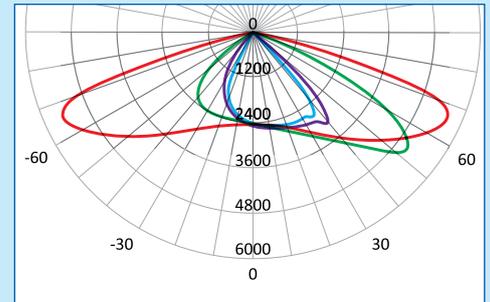


Main parameters and characteristics

Mount type	Console	
Nominal power consumption, W	226	
Power factor, no less than	0,94	
Luminous flux, lm, no less than	27,000	
Luminous efficiency, lm/W, no less than	117	
Circuit voltage, frequency	187 – 253 V, 50/60 Hz	
The type of light intensity distribution curve according to GOST 17677:		
• in the transverse plane	Wide	
• in the longitudinal plane	Special	
Light distribution class according to GOST 17677	Direct light	
Light distribution type in glare zone	Fully limited	
Color temperature, K	≤ 4,000 (NW) or ≥ 5,000 (CW)	
Color rendering index (Ra), no less than	70	
Operating temperature range according to GOST 15150	Y1 (from -40 to +45°C)	
Protection level according to ISO IEC 60598-1:		
• Cover protection level	IP23	
• Protection level of light-emitting modules	IP66	
Accordance to standards		
	IEC 60598-1, IEC 60598-2-3, CISPR 15, IEC 61000-3-2, IEC 61000-3-3, IEC 61547	
Weight, kg:	• LSL 02-108, LSL 02-108 A1	11.0
	• LSL 02-108 A2	10.6
Dimension, mm:	• LSL 02-108, LSL 02-108 A1	825 x 310 x 90
	• LSL 02-108 A2	790 x 312 x 135



Dimensions of the luminaire



Lighting distribution diagram



LED LUMINAIRES FOR LIGHTING SUBURBAN ROADS AND SIDE STREETS

- Alleyways
- Parking lots
- Pedestrian zones
- Yard areas
- Sports facilities
- Petrol stations
- Park and recreation areas
- Railway, airport, seaport infrastructure
- Private households
- Production and storage platforms
- Conventions of overpasses
- Transport tunnels

LSL 03-14

30 W



Luminous flux: 4,500 lm

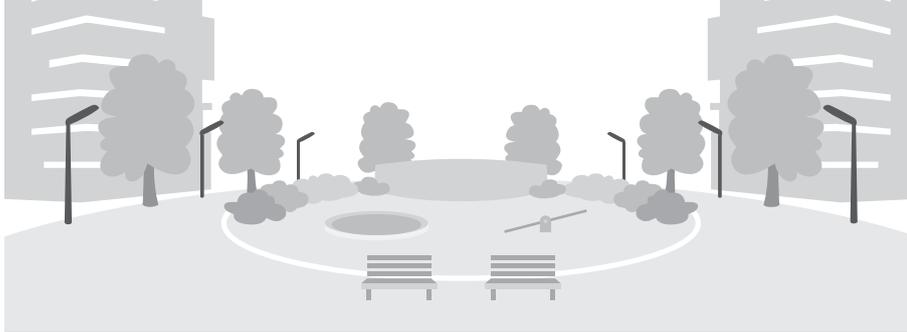


Luminous efficiency: 115 lm/W



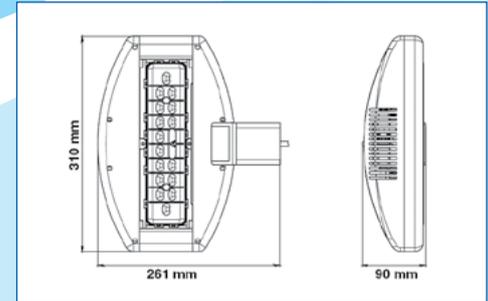
Warranty: 5 years



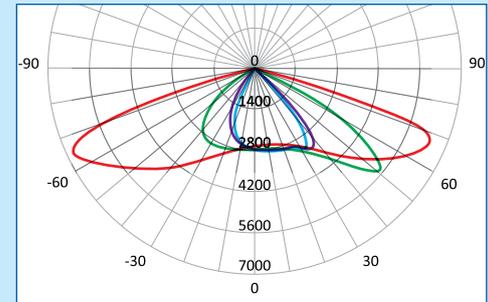


Main parameters and characteristics

Mount type	Console
Nominal power consumption, W	30
Power factor, no less than	0,9
Luminous flux, lm, no less than	4,500
Luminous efficiency, lm/W, no less than	115
Circuit voltage, frequency	187 – 253 V, 50/60 Hz
The type of light intensity distribution curve according to GOST 17677:	
• in the transverse plane	Wide
• in the longitudinal plane	Special
Light distribution class according to GOST 17677	Direct light
Light distribution type in glare zone	Fully limited
Color temperature, K	≤ 4,000 (NW) or ≥ 5,000 (CW)
Color rendering index (Ra), no less than	70
Operating temperature range according to GOST 15150	Y1 (from -40 to +45°C)
Protection level according to ISO IEC 60598-1:	
• Cover protection level	IP23
• Protection level of light-emitting modules	IP66
Rim diameter, mm	48-52
Accordance to standards	IEC 60598-1, IEC 60598-2-3, CISPR 15, IEC 61000-3-2, IEC 61000-3-3, IEC 61547
Weight, kg:	2.7
Dimension, mm:	261 x 310 x 90



Dimensions of the luminaire



Lighting distribution diagram

LSL 03-18

39 W



Luminous flux: 4,500 lm

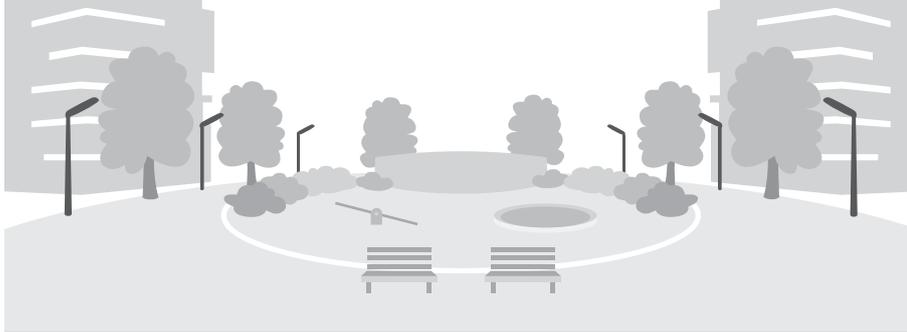


Luminous efficiency: 115 lm/W



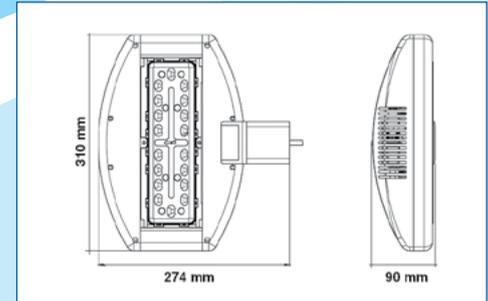
Warranty: 5 years



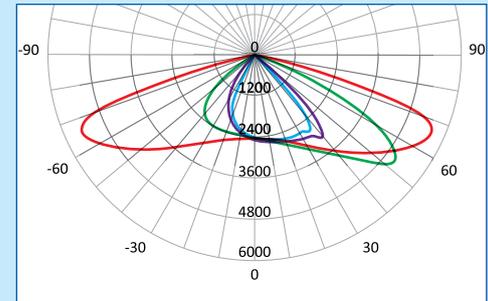


Main parameters and characteristics

Mount type	Console
Nominal power consumption, W	39
Power factor, no less than	0,9
Luminous flux, lm, no less than	4,500
Luminous efficiency, lm/W, no less than	115
Circuit voltage, frequency	187 – 253 V, 50/60 Hz
The type of light intensity distribution curve according to GOST 17677:	
• in the transverse plane	Wide
• in the longitudinal plane	Special
Light distribution class according to GOST 17677	Direct light
Light distribution type in glare zone	Fully limited
Color temperature, K	≤ 4,000 (NW) or ≥ 5,000 (CW)
Color rendering index (Ra), no less than	70
Operating temperature range according to GOST 15150	Y1 (from -40 to +45°C)
Protection level according to ISO IEC 60598-1:	
• Cover protection level	IP23
• Protection level of light-emitting modules	IP66
Rim diameter, mm	48-52
Accordance to standards	IEC 60598-1, IEC 60598-2-3, CISPR 15, IEC 61000-3-2, IEC 61000-3-3, IEC 61547
Weight, kg:	2.9
Dimension, mm:	274 x 310 x 90



Dimensions of the luminaire



Lighting distribution diagram

LSL 04-7

15 W



Luminous flux: 1,315 / 1,500 lm

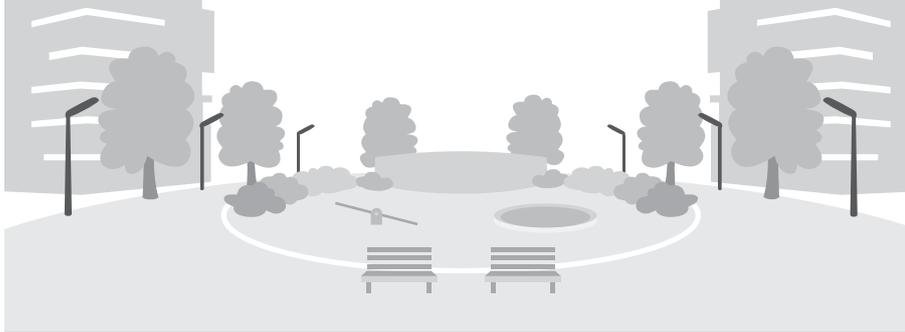


Clear / frosted glass



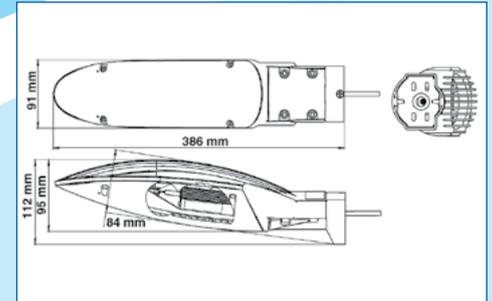
Warranty: 5 years



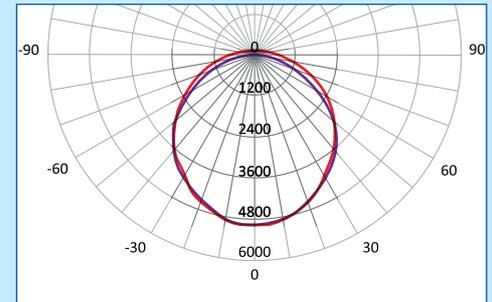


Main parameters and characteristics

Mount type	Console or Wall
Nominal power consumption, W	15
Power factor, no less than	0,85
Luminous flux, lm, no less than:	
- clear glass	1,500
- frosted glass	1,350
Luminous efficiency, lm/W, no less than:	
- clear glass	100
- frosted glass	90
Circuit voltage, frequency	187 – 253 V, 50/60 Hz
The type of light intensity distribution curve according to GOST 17677	Cosine
Light distribution class according to GOST 17677	Direct light
Light distribution type in glare zone	Fully limited
Color temperature, K	≤ 4,000 (NW) or ≥ 5,000 (CW)
Color rendering index (Ra), no less than	70
Operating temperature range according to GOST 15150	Y1 (from -40 to +45°C)
Protection level according to ISO IEC 60598-1	IP44
Rim diameter, mm	39,5-43
Accordance to standards	IEC 60598-1, IEC 60598-2-3, CISPR 15, IEC 61000-3-2, IEC 61000-3-3, IEC 61547
Weight, kg:	1.6
Dimension, mm:	386 x 91 x 84



Dimensions of the luminaire



Lighting distribution diagram

LSL 04-11

22 W



Luminous flux: 2,000 / 2,200 lm

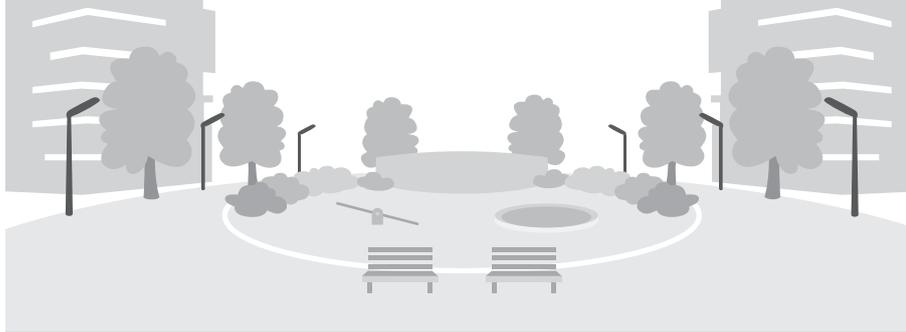


Clear / frosted glass



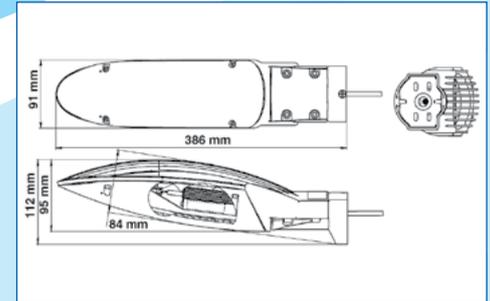
Warranty: 5 years



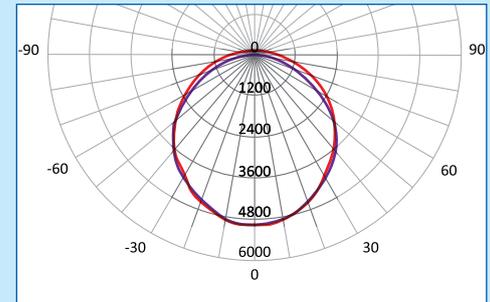


Main parameters and characteristics

Mount type	Console or Wall
Nominal power consumption, W	22
Power factor, no less than	0,85
Luminous flux, lm, no less than:	
- clear glass	2,200
- frosted glass	2,000
Luminous efficiency, lm/W, no less than:	
- clear glass	100
- frosted glass	90
Circuit voltage, frequency	187 – 253 V, 50/60 Hz
The type of light intensity distribution curve according to GOST 17677	Cosine
Light distribution class according to GOST 17677	Direct light
Light distribution type in glare zone	Fully limited
Color temperature, K	≤ 4,000 (NW) or ≥ 5,000 (CW)
Color rendering index (Ra), no less than	70
Operating temperature range according to GOST 15150	Y1 (from -40 to +45°C)
Protection level according to ISO IEC 60598-1	IP44
Rim diameter, mm	39,5-43
Accordance to standards	IEC 60598-1, IEC 60598-2-3, CISPR 15, IEC 61000-3-2, IEC 61000-3-3, IEC 61547
Weight, kg:	1.6
Dimension, mm:	386 x 91 x 84



Dimensions of the luminaire



Lighting distribution diagram

LSL 05-9

19 W

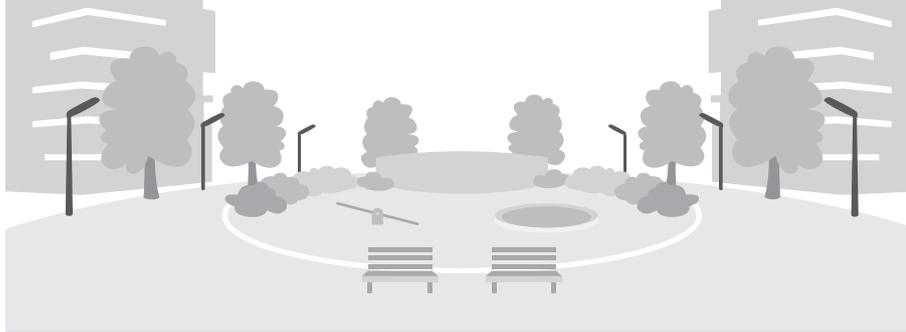


Luminous flux: 2,000 lm



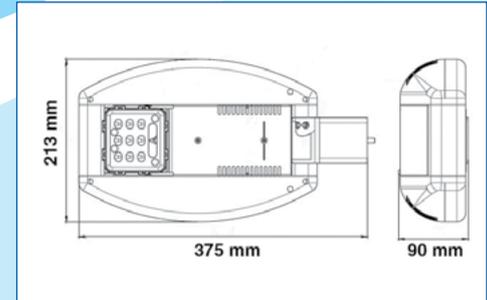
Warranty: 5 years



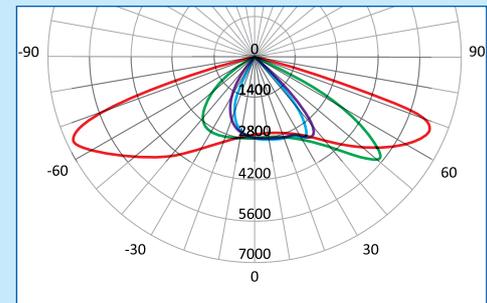


Main parameters and characteristics

Mount type	Console
Nominal power consumption, W	19
Power factor, no less than	0,85
Luminous flux, lm, no less than	2,000
Luminous efficiency, lm/W, no less than	105
Circuit voltage, frequency	187 – 253 V, 50/60 Hz
The type of light intensity distribution curve according to GOST 17677:	
• in the transverse plane	Semi wide
• in the longitudinal plane	Special
Light distribution class according to GOST 17677	Direct light
Light distribution type in glare zone	Fully limited
Color temperature, K	≤ 4,000 (NW) or ≥ 5,000 (CW)
Color rendering index (Ra), no less than	70
Operating temperature range according to GOST 15150	Y1 (from -40 to +45°C)
Protection level according to ISO IEC 60598-1:	
• Cover protection level	IP23
• Protection level of light-emitting modules	IP66
Rim diameter, mm	48-52
Accordance to standards	IEC 60598-1, IEC 60598-2-3, CISPR 15, IEC 61000-3-2, IEC 61000-3-3, IEC 61547
Weight, kg:	2.4
Dimension, mm:	375 x 213 x 19



Dimensions of the luminaire



Lighting distribution diagram

LSL 06-8

17 W

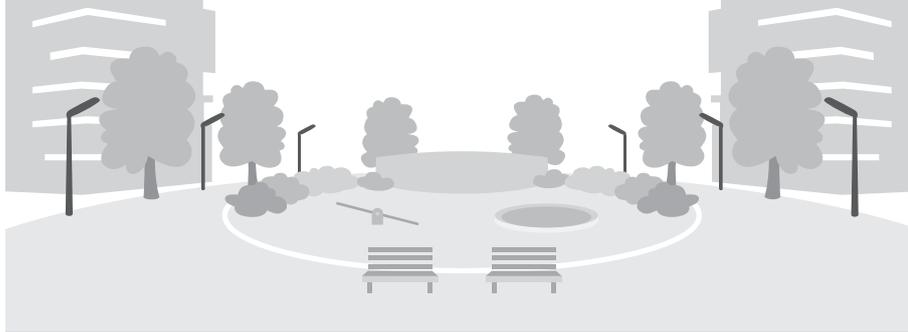


Luminous flux: 1,650 lm



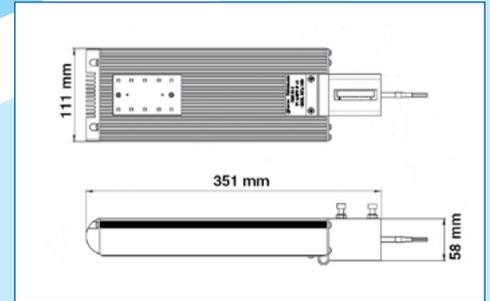
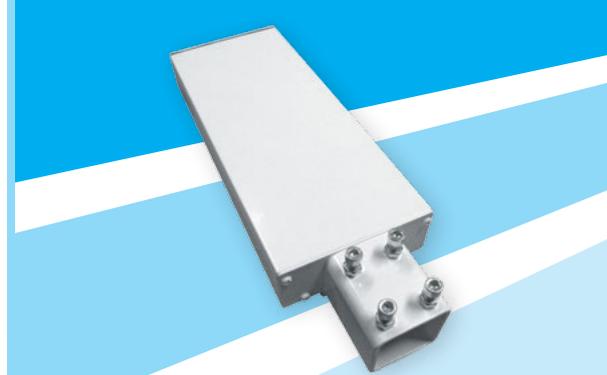
Warranty: 5 years



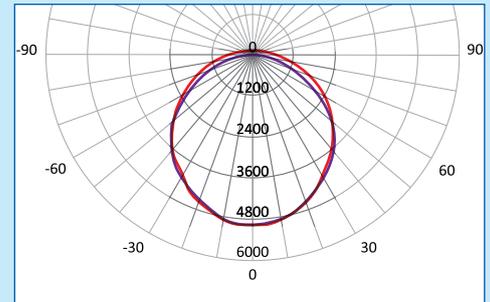


Main parameters and characteristics

Mount type	Console
Nominal power consumption, W	17
Power factor, no less than	0,85
Luminous flux, lm, no less than	1,650
Luminous efficiency, lm/W, no less than	95
Circuit voltage, frequency	187 – 253 V, 50/60 Hz
The type of light intensity distribution curve according to GOST 17677	Cosine
Light distribution class according to GOST 17677	Direct light
Light distribution type in glare zone	Fully limited
Color temperature, K	≤ 4,000 (NW) or ≥ 5,000 (CW)
Color rendering index (Ra), no less than	70
Operating temperature range according to GOST 15150	Y1 (from -40 to +45°C)
Protection level according to ISO IEC 60598-1	IP44
Rim diameter, mm	39,5-43
Accordance to standards	IEC 60598-1, IEC 60598-2-3, CISPR 15, IEC 61000-3-2, IEC 61000-3-3, IEC 61547
Weight, kg:	1.8
Dimension, mm:	351 x 111 x 58



Dimensions of the luminaire



Lighting distribution diagram

LSL 06-10

21 W

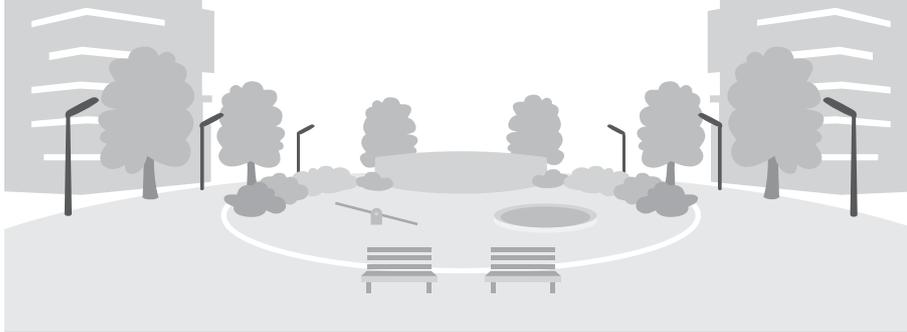


Luminous flux: 2,000 lm



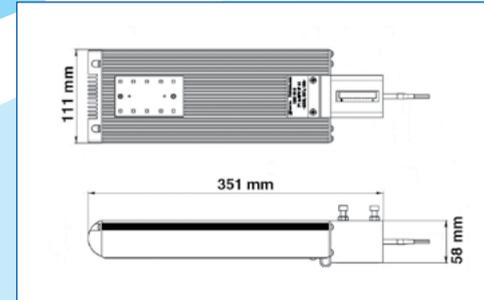
Warranty: 5 years



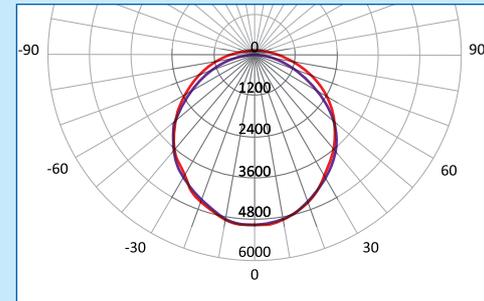


Main parameters and characteristics

Mount type	Console
Nominal power consumption, W	21
Power factor, no less than	0,85
Luminous flux, lm, no less than	2,000
Luminous efficiency, lm/W, no less than	95
Circuit voltage, frequency	187 – 253 V, 50/60 Hz
The type of light intensity distribution curve according to GOST 17677	Cosine
Light distribution class according to GOST 17677	Direct light
Light distribution type in glare zone	Fully limited
Color temperature, K	≤ 4,000 (NW) or ≥ 5,000 (CW)
Color rendering index (Ra), no less than	70
Operating temperature range according to GOST 15150	Y1 (from -40 to +45°C)
Protection level according to ISO IEC 60598-1	IP44
Rim diameter, mm	39,5-43
Accordance to standards	IEC 60598-1, IEC 60598-2-3, CISPR 15, IEC 61000-3-2, IEC 61000-3-3, IEC 61547
Weight, kg:	1.8
Dimension, mm:	351 x 111 x 58



Dimensions of the luminaire



Lighting distribution diagram

LSL 07-28

60 W



Luminous flux: 7,000 lm

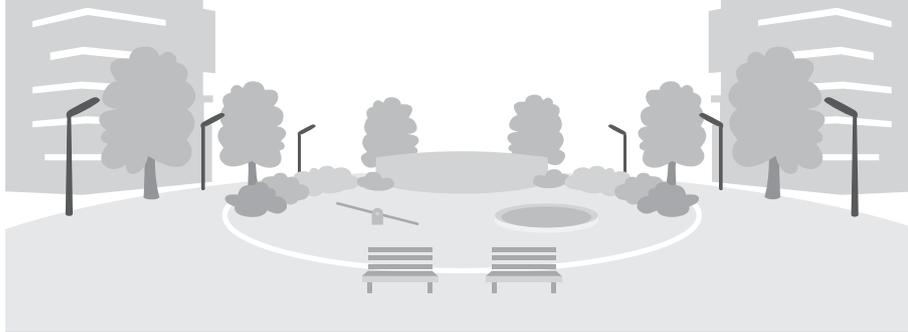


Luminous efficiency: 115 lm/W



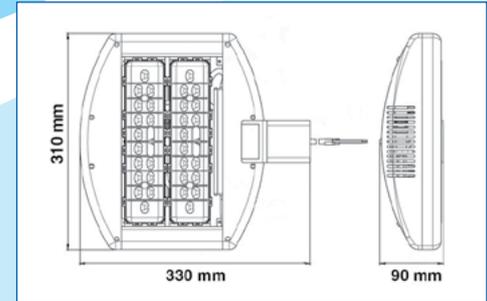
Warranty: 5 years



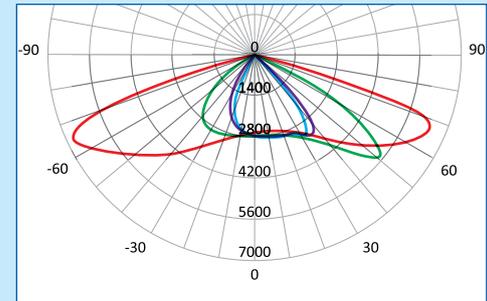


Main parameters and characteristics

Mount type	Console
Nominal power consumption, W	60
Power factor, no less than	0,9
Luminous flux, lm, no less than	7,000
Luminous efficiency, lm/W, no less than	115
Circuit voltage, frequency	187 – 253 V, 50/60 Hz
The type of light intensity distribution curve according to GOST 17677:	
• in the transverse plane	Wide
• in the longitudinal plane	Special
Light distribution class according to GOST 17677	Direct light
Light distribution type in glare zone	Fully limited
Color temperature, K	≤ 4,000 (NW) or ≥ 5,000 (CW)
Color rendering index (Ra), no less than	70
Operating temperature range according to GOST 15150	Y1 (from -40 to +45°C)
Protection level according to ISO IEC 60598-1:	
• Cover protection level	IP23
• Protection level of light-emitting modules	IP66
Rim diameter, mm	48-52
Accordance to standards	IEC 60598-1, IEC 60598-2-3, CISPR 15, IEC 61000-3-2, IEC 61000-3-3, IEC 61547
Weight, kg:	3.9
Dimension, mm:	330 x 310 x 90



Dimensions of the luminaire



Lighting distribution diagram

LSL 07-36

78 W



Luminous flux: 9,000 lm

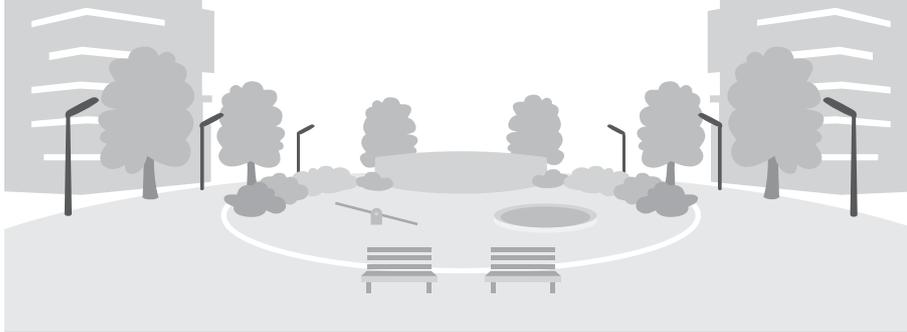


Luminous efficiency: 115 lm/W



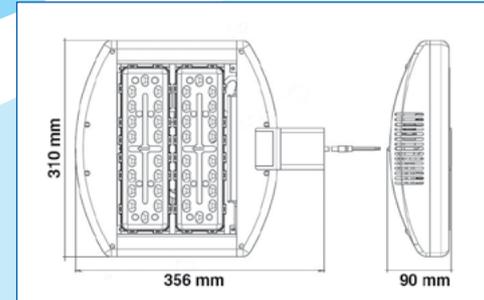
Warranty: 5 years



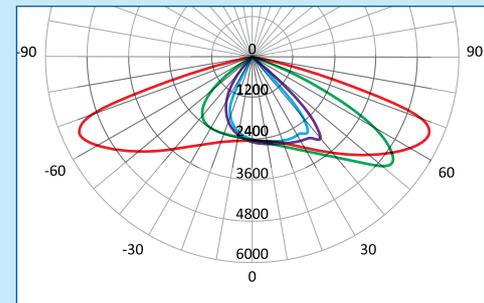


Main parameters and characteristics

Mount type	Console
Nominal power consumption, W	78
Power factor, no less than	0,9
Luminous flux, lm, no less than	9,000
Luminous efficiency, lm/W, no less than	115
Circuit voltage, frequency	187 – 253 V, 50/60 Hz
The type of light intensity distribution curve according to GOST 17677:	
• in the transverse plane	Wide
• in the longitudinal plane	Special
Light distribution class according to GOST 17677	Direct light
Light distribution type in glare zone	Fully limited
Color temperature, K	≤ 4,000 (NW) or ≥ 5,000 (CW)
Color rendering index (Ra), no less than	70
Operating temperature range according to GOST 15150	Y1 (from -40 to +45°C)
Protection level according to ISO IEC 60598-1:	
• Cover protection level	IP23
• Protection level of light-emitting modules	IP66
Rim diameter, mm	48-52
Accordance to standards	IEC 60598-1, IEC 60598-2-3, CISPR 15, IEC 61000-3-2, IEC 61000-3-3, IEC 61547
Weight, kg:	4.3
Dimension, mm:	356 x 310 x 90



Dimensions of the luminaire



Lighting distribution diagram

REALIZED PROJECTS



KYIV-VYSHHOROD ROAD, UKRAINE

REALIZED PROJECTS



POVITROFLOTSKYI AVENUE, KYIV, UKRAINE

REALIZED PROJECTS



KYIV-BORYSPIL HIGHWAY, UKRAINE

REALIZED PROJECTS



VITRUKA STREET, ZHITOMIR, UKRAINE



ABOUT THE COMPANY

EKTA - does:

- Research and development of LED solutions
- Production of LED products
- Implementation of projects based on LED
- Professional maintenance and service
- Advanced technology

EKTA group of companies founded in 1992 is among the five leading European companies producing LED products: screens, displays, traffic signs of variable information, modern street lighting. EKTA has more than 20 years of research and development work. Having our own production allows us to introduce quickly new technology and use the most reliable components from world leaders.



EKTA LED-LUMINAIRES ADVANTAGES

ECONOMY. Low power consumption, reduced heat losses, immediately works after switching, and long life makes EKTA luminaires a cost-effective solution.



LONG LIFE. Using the efficient power supply and high-quality LEDs provides not less than 12 years of daily luminaire work.



ECOLOGICAL SAFETY. EKTA luminaires don't require special recycling because they do not contain mercury and other hazardous substances, as well as complying with photobiological safety.



COMFORTABLE COLOR RENDITION. A range of LED lighting for the human eye is close to natural daylight that allows you to see the real, not the distorted color of items.



WIDE TEMPERATURE RANGE. LED luminaires are not afraid of extreme temperatures and work in a range from - 40 to + 45°C.



HIGH LUMINOUS EFFICIENCY. More than 110 lumens per 1-watt power consumption.

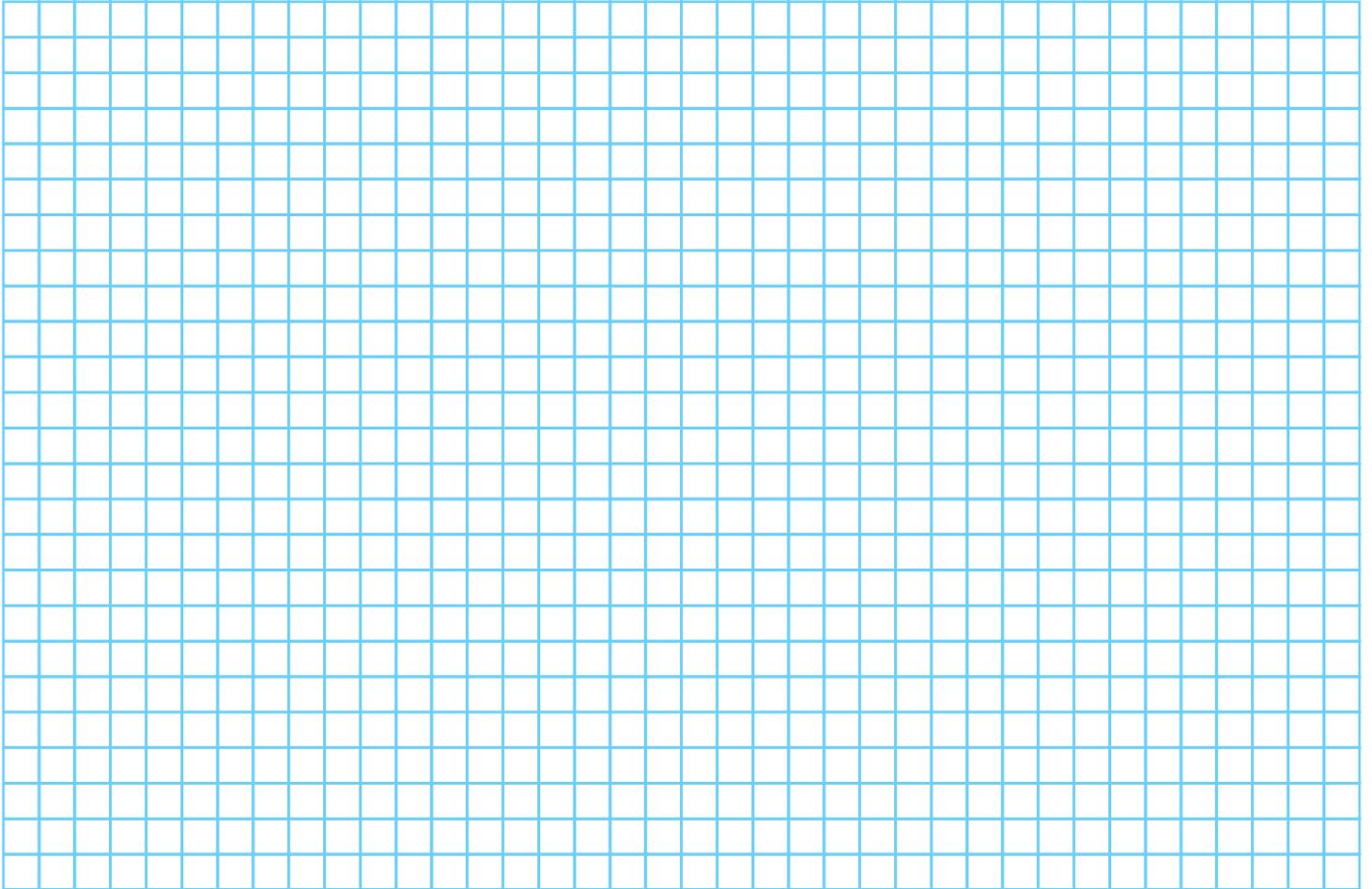


RELIABILITY. The power supply is protected against short circuit and overheating that ensures stable operation of the luminaire under conditions of multiple switches on and off. Luminaires LSL 02 type is equipped with a built-in device for surge and lightning discharges protection.

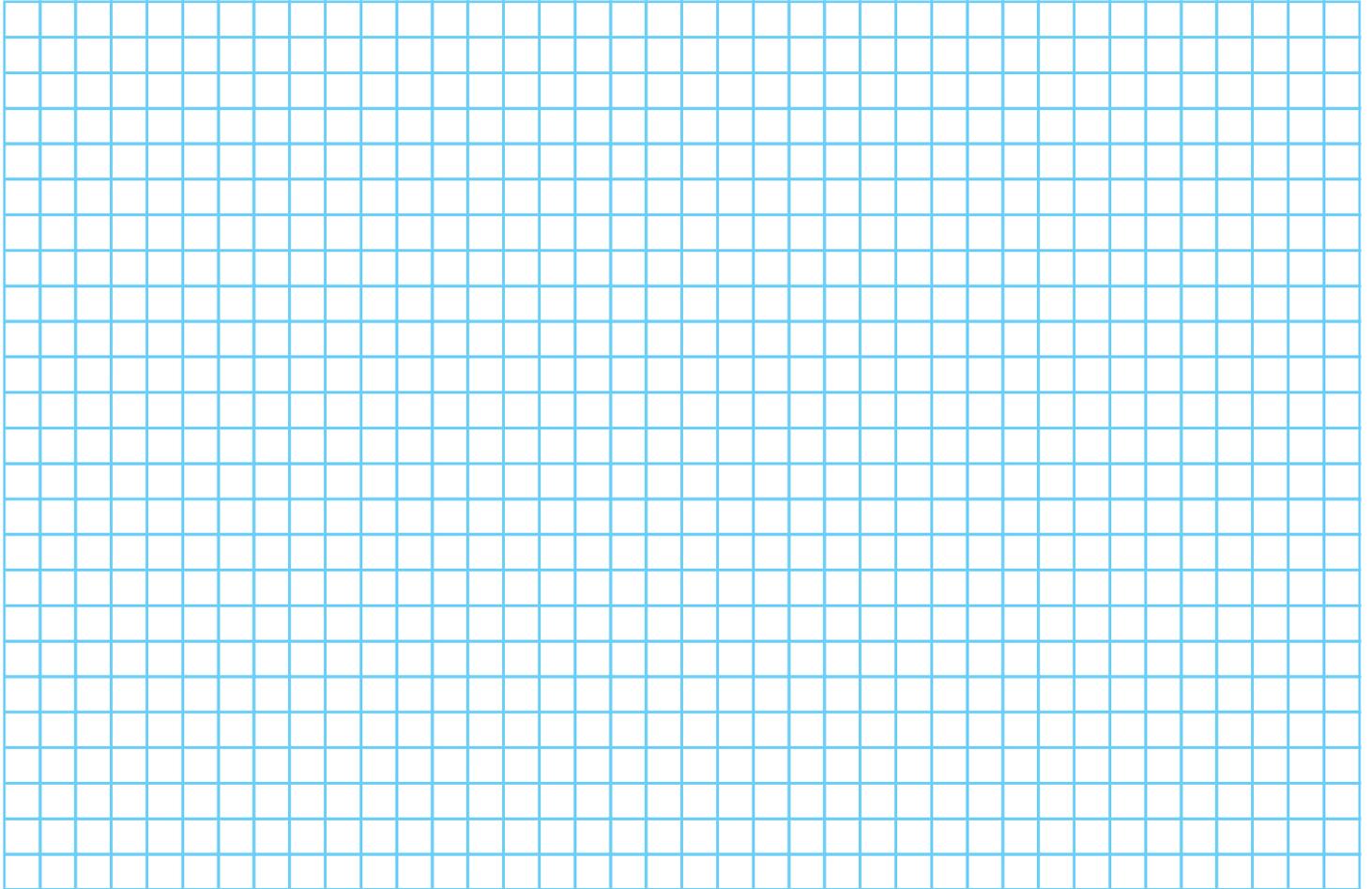


NO STROBOSCOPIC EFFECT. EKTA LED luminaires emit uniform light without flicker and ripple.

FOR NOTES



FOR NOTES





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