

Illuminating lamp for office KIB-0001OF



The illuminating lamp is made in the body frame of the size of 600 x 600 mm and can be built (in the suspended ceiling) or suspended. There are four LED modules and a power-supply source in the body frame. Depending on the type and number of LEDs used in the illuminating lamp, its light output can be from 2800 to 3640 lumens.

Lighting parameters

Color of light-emitting diodes (LED)	Warm white	Natural white	Cold white
Luminous efficacy, lumen per watt	100	114	130
Quantity of light-emitting diodes	Projector light flux, lm		
20	2000	2280	2600
24	2400	2736	3120
28	2800	3192	3640

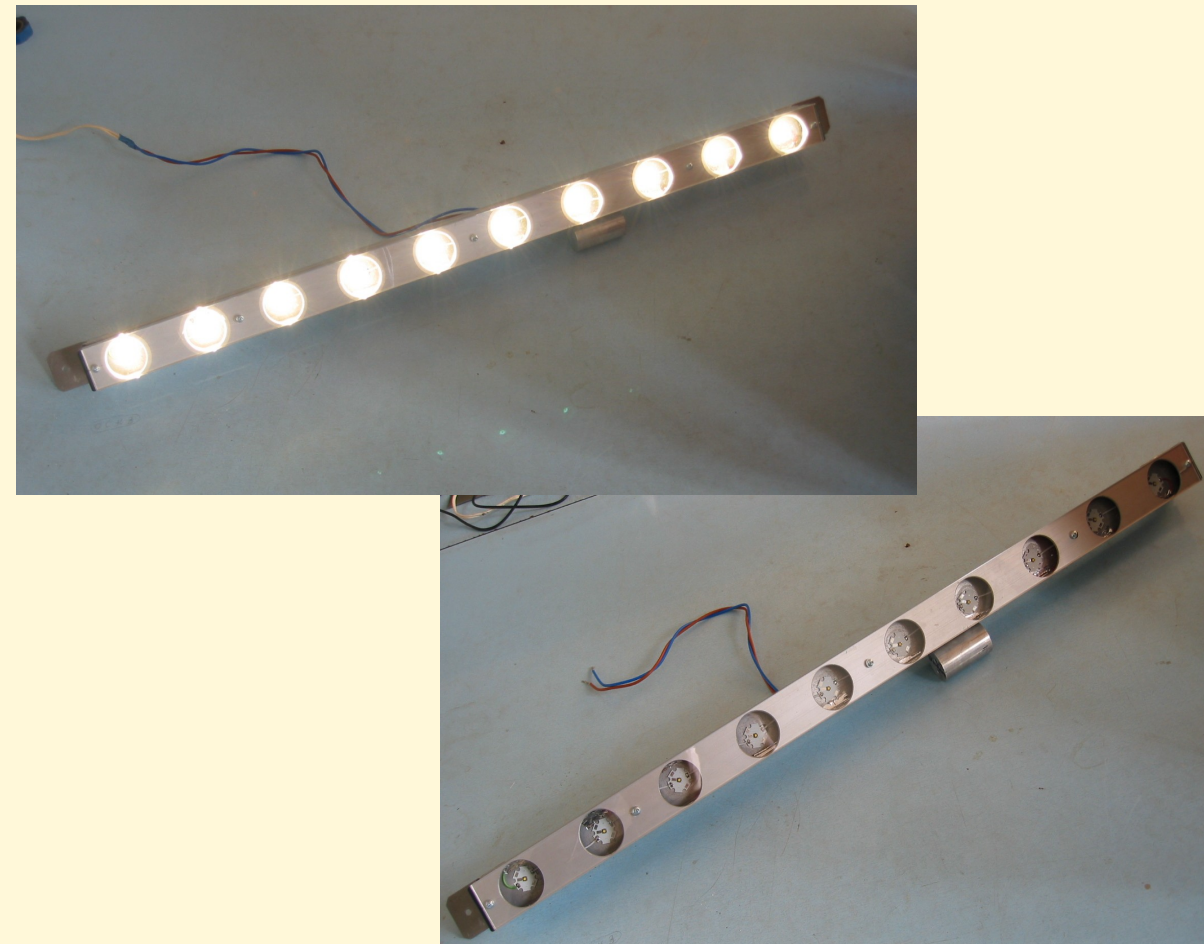
To improve the luminous efficiency of illuminating lamp each LED lamp has individual optical system (lens) with sight angle of 36°, giving beam opening angle of 72°. Due to these facts the lighting in a plane that is separated by 750 mm from the floor (writing-table, desk, etc.) is 300 lux at a height of premises of 5000 mm.

Technical parameters of the lamp are shown in the table.

Technical parameters

Parameter	Value	Parameter	Value	Parameter	Value
Performance life, hour	> 50 000	Voltage power, V	~ 140-240 50 hz	Protection level	IP 54
Temperature rating, °C	From -20 to +45	Power consumption, W	From 21 to 30	Weight, kg	To 3
Relative degree of humidity, %	From 10 to 90	Operating rate	> 0,85	Size, mm	600x600x70

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The illuminating lamp is designed for the interior premises lighting and can be used in operating rooms, utility rooms, halls etc.

Illumination lamp in the Hi-Tech style is made of anodized aluminum shape. LEDs are closed by transparent acryl lid. The power-supply source is located at the back of the body frame and closed by anodized aluminum shape. The illuminating lamp has brackets for ceiling fixing.

10 super-bright LEDs that provide light output of 1000 ... 1300 lm are set in the base model of illuminating lamp. Under the mounting height of 2.7 ... 3.0 m it gives 50 lux of lighting on the floor. Body frame construction of the illuminating lamp limits beam opening angle to 90° and therefore no ceiling lights, and the luminous flux is directed downward.

Illuminating lamp construction allows using LEDs with lenses of different beam opening angle. It gives an opportunity for significantly increasing of the intensity of illumination of the given plane. So, these devices can be used for premises and interiors decorative lighting as well. In this case, colored LEDs with static or dynamic color

Technical parameters

Parameter	Value	Parameter	Value	Parameter	Value
Performance life, hour	> 50 000	Voltage power, V	~ 90-264 50 hz	Protection level	IP 54
Temperature rating, °C	From -20 to +45	Power consumption, W	11	Weight, kg	To 2
Relative degree of humidity, %	From 10 to 90	Operating rate	> 0,85	Size, mm	835x60x40

LED desk lamps



According to the regulatory documents the illumination of desk surface to perform usual operations (reading, writing, etc.) at distance about 450 mm from the light source should be 300 lux. To achieve this goal, just three or four modern LEDs with the brightness of more than 100 lm will be enough.



Lamps made in fabricated body frames of different manufacturers depending on the type of body frame have slightly different design. The lamp is provided with four super-bright LEDs and a power-supply source. All lamps are powered from AC mains 220 V, 50 Hz and keep all their characteristics in a voltage range from 160 to 264 V. The lamps are electrical safety because light sources are galvanically unteie from AC mains.

Technical parameters

Parameter	Value	Parameter	Value	Parameter	Value
Performance life, hour	> 50 000	Voltage power, V	~ 160 -264 50 hz	Protection level	IP 54
Temperature rating, °C	From -20 to +45	Power consumption, W	4,5	Weight, kg	To 2
Relative degree of humidity, %	From 10 to 90	Operating rate	> 0,85	Size, mm	