

Illuminating lamps for subway cars KIB-0003ML

The KIB-0001ML LED lamp aimed to replace the illuminating laps with fluorescent lamps in subway cars 81-714, 81-717 series and their modifications. The illuminating lamp consists of two identical LED linear modules and power LED lamp. 12 powerful LEDs mounted on long heat sink in the form of Russian letter “П” are used in each module.

Both modules are installed in the body frame of the operational illuminating lamp for two fluorescent lamps in place of the latter. Module installing does not require additional work with body frame.

Both modules are powered from a single power box that provides stable LEDs current power in a wide range of input voltage. The power box has a manual adjustment of the output current, short circuit protection and output overload protection against high (up to 1200 V) input voltage and high coefficient of efficiency.

Main technical data of Liner LED Lamp are given in the Table.



No	Parameter	Meaning
1	Number of LEDs in the illuminating lamp, pcs.	12 x 2
2	Luminous flux, lm	3000
3	Nominal input current, A	0,7
4	Nominal voltage, B	36
5	Power consumption, V	25
6	Average service life, h.	50 000
7	Geometric dimensions of LED module (length / width/height), mm	1200/40/25
8	Weight of two modules, kg	1,2

Usage conditions of illuminating lamp are given in the table.

No	Parameter	Meaning
1	Wagon power accumulator battery, B	From 60 to 100
2	Environment temperature, °C	From –20 to +40
3	Relative air humidity, % (at 25°C)	95
4	Atmosphere pressure, kPa	From 84 to 107