

Innovative factor of the light



The Holding “BL GROUP” is not only a leader in the lighting industry, but it also a dynamic association which regularly introduces innovations. The Holding updates the range of its lighting fixtures while working out advanced solutions from an idea to a finished product. Today we introduce only some of them.

“Volna1”

Every year the importance of the artificial illumination is increasing in various areas of the life of a modern city. Technical means of illumination has become more complicated in recent years. Besides new technologies in lighting modern equipment has also made a giant step forward in terms of design.

Today the company GALAD has introduced a brand new innovative lighting fixture “Volna-1” which meets all modern requirements. This fixture shall be used to illuminate the streets, roads, squares, boulevards, cottage settlements, parking, yards, the surrounding area of trading centers and other objects of the modern infrastructure.

What are its special characteristics?

Firstly, the product meets all the requirements of the modern manufacturing technologies. The lamp box, lid and bracket are made of aluminum by means of molding. This method allows to manufacture products with clear surface and precise dimensions. The diffuser is made of silicate safety glass, which ensures that the lamp won't become yellow or hazy during the period of its usage.

Secondly, LEDs serve as the source of light in this product. Nowadays the specific feature of street lighting is a big number of points of light with the high power; it leads to the consumption of large amounts of electricity. Therefore, in today's world we take all the possible measures to use sources of light with the best characteristics, for example, LEDs, which allow us to save on the electricity consumption.

Thirdly, this lighting fixture is significantly different from its analogues in terms of the design. The round shape of the box will be a suitable solution for any place whether it is a parking near an office building or a playground in the kindergarten.

Fourthly, the product is simple and easy to use. Despite the fact that it is easy to get access to the inner section of the lamp it remains absolutely airtight. Due to a universal type of mount the lamp can be installed both to the console (for example, if it is used for the street lighting), and to the floor lamp (boulevards, playgrounds).

Thus, we can make a conclusion that the lighting fixture “Volna-1” is a breakthrough in the field of street lighting. Due to its functional design and innovative technique of manufacturing the lamp fits the life of a modern city!

“Volna-2”

“Volna-2” is a street LED console lamp with a modern design, it can be used for the illumination of streets and roads of categories A and B, for squares. The lighting fixture has several key features.

Firstly, it is designed for the objects that require a powerful and intense lighting, as the requirements for the illumination of roads of categories A and B are significantly higher than requirements for the illumination of driveways, yards and secondary zones of category B.

Secondly, the style of the lighting fixture can be defined as “modern”. It is the first product in Russia that represents the third generation of LED street lamps with high power. The first two generations were produced, in fact, like test products. At first, engineers tried to adapt old lamp boxes for the new LED technology. But it was both inefficient and unaesthetic. Then most engineers tried to create lighting fixtures based on extruded aluminum profiles. This solution was more functional, but still unaesthetic. Nowadays the details of public places where the lighting is considered to be an important part must be not only functional but they shall also comply with the aesthetic function. Bad examples of purely functional society and its elements may exist only in numerous theories and dystopias, but in real life each item shall not only perform its functions, but also be comfortable and pleasant to the eye.

And this is the third key feature of the lighting fixture “Volna-2”. It is designed so that the consumer could easily access any internal parts while it remains completely airtight. Some measures have been taken to prevent overheating and icing, which were common for the early generation of LED lamps.

“Volna-2” is the first LED street lamp of the new generation in Russia; it perfectly illuminates the area and serves as a part of its image. We expect that this product will take its rightful place in the streets of our modern and developing cities.

“Irida” and “Arcus”

The LED lighting fixtures “Irida” and “Arcus” are designed for architectural dynamic color illumination of building facades and architectural compositions.

Special RGBW- LEDs are used in projectors, which provide a variety of different colors and tones. The light color of projectors “Irida” and “Arcus” is bright, clean and stable. The projectors can be used in modern lighting control systems (technologies DMX, PLC), which allows you to

change the color of projectors according to the set program; you can also set a static mode with a certain color.

The box of the projector has a linear shape which is optimal for flood lighting. Due to the through-wiring such projectors can form light lines of different lengths and shapes to create unique architectural illumination compositions.

These projectors can be equipped with different types of secondary optics that help to form the distribution of light colors and allow you to find the best solution for each project in the field of the architectural illumination.

The projectors “Irida” and “Arcus” help you to create a unique, bright, dynamic architectural illumination of objects and attract attention them, you can make these objects stand out of the rest and completely change their appearance at night comparing to their perception in the daytime.

“Moonlight” and “Galactic”

The lighting fixtures “Moonlight” and “Galactic” have been designed for architectural illumination of building facades, monuments and other architectural objects. During the process of designing the main goal of our company was to create a reliable lighting fixture of high quality and reach functionality. And we have succeeded due to the use of modern technology which will be described below.

The basis of the lighting fixture is the light aluminum body made by means of injection molding. This method is an advanced technology for manufacturing metal details of a complex shape; it allows to manufacture metal products with highly-homogeneous structure and the lowest number of defects. That’s why the boxes of the lamps “Moonlight” and “Galactic” have high mechanical characteristics, and, moreover, we use the tempered silicate glass with the increased strength. Both components serve as a reliable barrier for various mechanical effects and make the lamps vibration-resistant and shock-resistant. The powder coating protects them from moisture and acid gases, and allows you to get a beautiful deep color that fits perfectly a facade of a building or other structure.

Another important component of the lighting fixtures is the latest generation of LEDs manufactured by the company “CREE”, the world's leading manufacturer. Moreover, the fixtures can be equipped with conventional white or colored LEDs (RGBW). Besides the LEDs of high quality the lighting fixtures can be equipped with drivers and control units - DMX, PLC, Zigbee or any other according to your choice. It will allow you to use the lamps together with any other equipment united in a single system.

But LEDs of high quality and a power supply unit are not enough to ensure the high quality and long term of work. Indeed, if we do not provide optimal maintenance of the components their lifespan will be far from the declared one. That’s why we use a specially designed radiator in the fixtures “Moonlight” and “Galactic” that helps the LEDs and power supply units work reliably during the expiration period of the lamp.

The lighting fixtures “Moonlight” and “Galactic” are considered to be a good combination of quality and reliability with the aesthetics and beauty.

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