

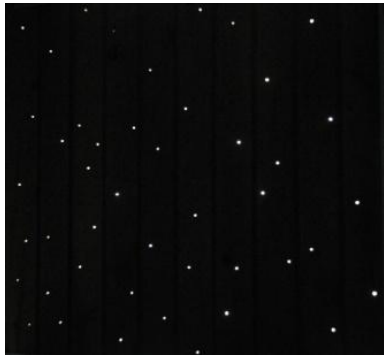
Fiber optic set "Lite Lion sky"

Fiber optic set "Lite Lion sky" offers the unique possibility of lighting the sauna ceiling with starlight. 96 luminous stars, brilliant LED projector equipped with most versatile light effects, silent and energy efficient technique.

As result of 15 year research to develop a device, which compound power equation- plenty of stars, immunity to high temperatures and reasonable/affordable price - we are proud to introduce "Lite Lion sky". As a bonus we implement silent and efficient LED projector.

Interior Aesthetics

"Lite Lion sky" set is nearly invisible in its standby mode. No blobs or lumps in the ceiling, no melting plastic. Stars are only 4 mm in diameter and are mounted at the same level with ceiling surface. Stars are made of heat-resistant glass. No mounting furniture/fasteners will be visible after installation. The stars are installed during ceiling paneling into the surface material. Every optic cable has own fastener, which holds also the glass lens, as after installation only a round 4 mm wide spot is visible. As far as lights are off, the glass spot will be practically invisible as it reflects/gets its color from (wood) panel. Switch the power on, and the stars will sparkle to life.



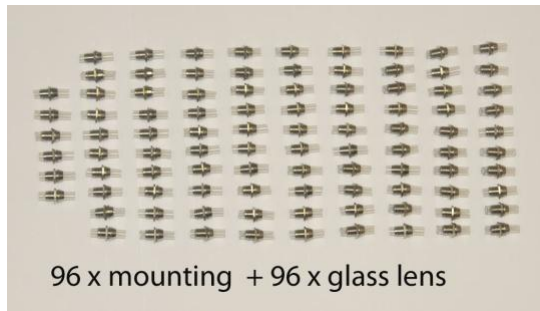
LED projector

As a light source we offer a combined, both white and multi-color (RGB) light emission LED projector. The device is fully electronical, so doesn't contain any moving parts. Remote control is available.

Safe mounting

Only fiber optic cable and lenses are installed into the sauna ceiling. Not any electric component will be mounted in sauna.

Very important feature of this device is its sauna-structure friendly system as it allows to keep vapor barriers unbroken. The optic cable goes through ventilation spaces. The minimum space requirement is 22 mm. The lens is absolutely waterproof, so humidity will not pass into the ceiling structure. The lens mounting furniture is made of silicon, heat-proof glass and brass.



Durable, easy care device

Projector's construction is modular, also power supply is coming separately. If necessary, modules can be replaced easily. The absence of moving parts inside the projector makes it practically maintenance-free.



Fiber Optic Cable

The fiber optic cable used in this device is 1.0 mm cable, which is 1.8 times more luminous/brighter than normally used 0.75 mm one. With as small amount as 100 stars, there is no any separate lighting required (except possible lighting for cleaning).

In the basic device package there are 6 bundles of 16 cables in each, with the total amount of 96 stars. The lengths of cables in each bundle of optional. With an extra module to the basic device, the total amount increases to 192 stars, which enough for a bigger sauna. Also special lengths of cable are available on request.

Accessory kit

Together with the main "Lite Lion sky" set of necessary installation materials, the package contains other accessories one can need during mounting as drill bits for wood, helpful for the lens fixture mounting stud and as a bonus a small screwdriver. The only tools needed are: scissors or sharp wire strippers and cordless drill (which will make the installation much easier). The package comes with complete installation manual which is worth following. Please read the manual first!

Installation

"Lite Lion sky" set is developed for sauna ceiling mounting with recommended panel with of 14-25 mm.

"Lite Lion sky" set installation does not require special professional skills or certificates, so it can placed independently by household owner/mechanic.

The history of the project

In the authentic Finnish Sauna the temperatures at the ceiling level are usually extreme, far above the tolerance of normal fiber optic, which make the installation of ordinary star light kits in saunas pointless. Heat rapidly influences the structure of fiber optic cable and its luminosity. Very soon the cable stops leading the light.

"Lite Lion sky" is the result of long term research, continuous tests and product development. We grant 3 years warranty for the set, which is installed appropriately following the instructions.

Technical information

LED projector

As a light source we offer a combined, both white and multi-color (RGB) light emission LED projector. The device is fully electrical, so doesn't contain any moving parts. Remote control is available.

Dynamic light device offers the possibility to choose either white twinkle in up to three different tones or RGB-color effect. Remote control gives an easy access to light effects and programs. As an option also base light dimmer available, after which twinkle effect can be chosen.

Projector options are:

(1) dynamic light device (twinkle white*, RGB color-changing effect or both twinkle and color effect)

*white twinkle in Warm White (3000K), Neutral White (4000K) or 1/3 of Warm White, 1/3 of Neutral White and 1/3 of Cool White (5500K) stars

(2) static white light device (in Warm White (3000K), Neutral White (4000K) or 1/3 of Warm White, 1/3 of Neutral White and 1/3 of Cool White (5500K) stars)

Mounting

The projector is recommended to place in a lower temperature and humidity room, as dressing room and etc. The projector can easily be mounted also to the shower/dressing room ceiling lowering due to its small size (the minimum space height it needs is 30 mm). Also service boxes/windows in the walls are appropriate.

The sauna heater lamp

The "Lite Lion sky" gives the possibility to add a special heater lamp in the set. In this case the heater LED lamp(s) will be connected straight to the power supply. Color availability: different color temperatures are available (WW, CW, NV, Daylight, RGB, color LEDs including orange, turquoise and pink). The heater lamp will go on together with the main set, but is not synchronized with it. With extra device/dimmer/RGB-controller it is possible to control heater lamp separately (on-off, color control and etc.).

Installation

"Lite Lion sky" set is developed for sauna ceiling mounting with recommended panel with of 15-25 mm. Also 14 mm panel can be used, but in requires more accuracy than usual.

"Lite Lion Sky" set installation does not require special professional skills or certificates, so it can placed

independently by household owner/mechanic. Exception applies to the models with power supplies for fixed installation.

The set contain a lot of small parts and demands accuracy and following of the instructions. So, previous experience is beneficial. The mounting takes place in the same stage with ceiling paneling. The fixers can be placed beforehand, but the optic cable itself should be installed just before the panel is placed to the ceiling. There should be always a reasonable installation spare of the cable.

The device is equipped with universal power supply.

Voltage: 100-240V AC 50-60Hz

Output: 12V DC

Nominal power: 9W

Measures: L175 x W45 x H25 mm

Optical fiber bundles: different combination of lengths, 96 x 1.0 mm or 180 x 0.75 mm / one unit