Interactive Light & Sound System
events, night clubs, permanent installations

FEATURES

- Several configurable light effects
- Sampled or synthesized audio output
- Tap and swing interactivity
- MIDI, DMX and audio control
- Centrally coordinated effects
- Proximity sensing (PIR)
- 12-24V power supply

APPLICATIONS

- Events
- Night clubs
- Artistic general lighting
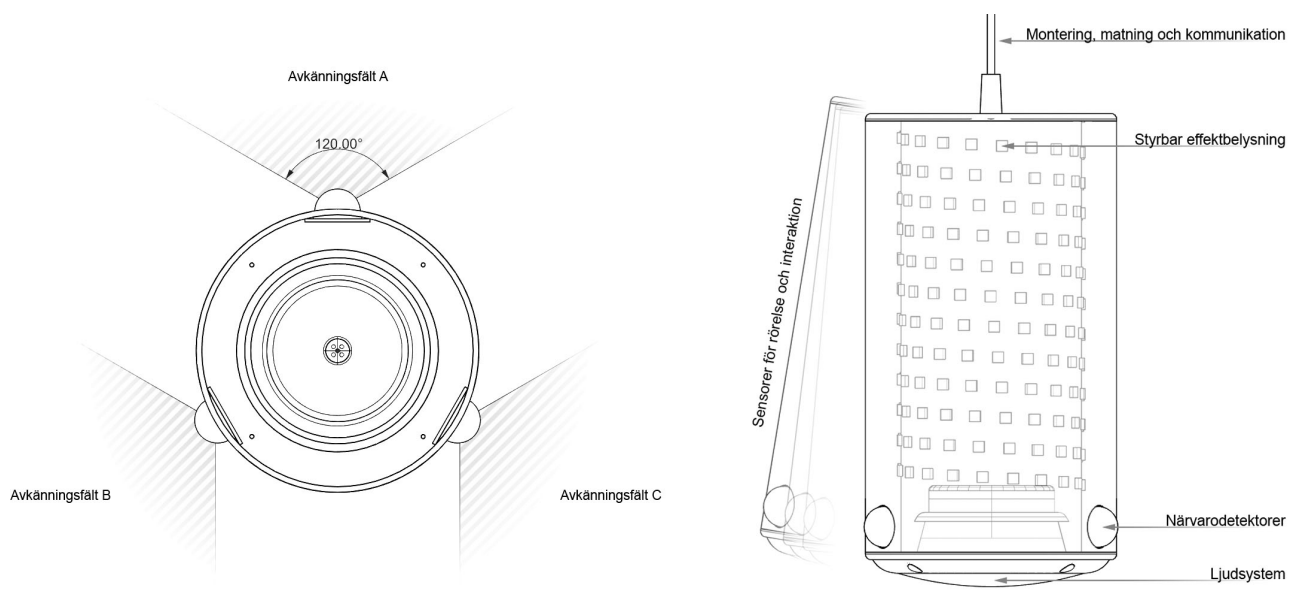- Light & sound festivals

DESCRIPTION

ZenScape is an interactive light and sound system for creative and artistic installations in sound and light.

Each lamp is interactive by touch/tap, swinging or PIR presence sensors and can respond with changes to sound and/or lighting effect.

With a central controller it is possible to implement sound visualization, MIDI or DMX control or synchronized audio looping for massive-channel musical soundscapes.

LAMP DESIGN

- Diameter   140mm
- Height   250mm

DS PROTOTYP

PROGRAMMING

DS prototyp provides programming and adaptation services, but the system can also be programmed by the customer using the Teensyduino programming environment (Arduino compatible). Sounds and firmware are uploaded using a set of Windows command line programs. Once programmed to specification it is possible to control the system from standard DMX or MIDI controllers or use an audio signal to modulate parameters for night clubs or similar applications – also in conjunction with DMX or MIDI control.

For advanced applications requiring modifications to the firmware functionality of the lamp, such as adding additional customer specific effects, we provide programming services.

INSTALLING

For many simple effects such as "light-up-on-proximity", "tap-to-amplify-light", "swing-to-modulate-audio" each lamp only requires 12V – 24V power.

For advanced coordination such as audio loop synchronizing, synchronized color changes, lamps respond to interaction with other lamps – a central command unit is required.

Each lamp connects to power and communicates using RS-485 (proprietary protocol) with a PC or the central command box and connects to main wiring by a 4 meter cable attached to each lamp. The length of the cable can be adjusted from 0 to 4 meters.

DS prototyp provides installation services.

INSTALLATION IDEAS

- Let the path be lit up by ZenScape fire as visitors make their way to the festival grounds. Lamps can be triggered in sequence or by direct proximity.
- Create a spatially distributed audiovisual dreamscape where tapping lamps builds up a wonderful landscape of synchronized audio loops and accompanying light effects as the user plays with the lamps by tapping and/or swinging.
- Play the lamps live as synthesizers and samplers from a MIDI live looper or similar system. Each lamp becomes a unique instrument and can be spatially placed such that the audience, artist and "orchestra" becomes one and the same.
- Use the ZenScape lamps as general lighting for the company booth at the convention while also enabling them to act as a PA system for pre-recorded announcements of keynotes or demonstrations.
- Have ZenScape lamps shower the DJ or Artist in light and patterns that respond to the music being played, with no/minimum requirements from central DMX control.

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