balestra berlin

Light+Art presents

THE WAVE

Kinetic Lights System

The flexible Kinetic Lights System consists of a matrix of ceiling mounted winch modules with tethered light elements. The winches reel the light elements in and out. Each light element can be adjusted individually in height, speed, color and luminance by control software. By synchronizing position and light animation, multiple winch modules are coordinated together to form complex shapes and light patterns.

The control system consists of two interconnecting components, a software interface and hardware for digital signal distribution. This enables full real-time control simultaneously over all light elements and movement for each individual module connected (actuators or sensors can be used alternatively).

Each winch is individually addressable and holds up to 3 kg. Mounted on the ceiling or a truss scaffold it travels up to 7m in height. The winches can be connected together in any spatial configuration from a regular pattern to an irregular positioning. The corpus of the winches is made out of anodized aluminium forming a robust shell. It is connected to a specially designed reinforced high performance flat signal cable. The velocity and acceleration of the winches can be controlled dynamically and the system also provides full RGBW (plus white) color output.

The flexible Kinetic Lights System has been used to create a variety of installations. Existing implementations include temporary and permanent projects.

THE WAVE

The Wave is a sculptural hanging light arrangement, that forms generative wave patterns by using light rods connected to two winches. The light rods can be 180 cm length or 360 cm length with 5 cm diameter and provide full RGB color illumination.

Due to the kinetic system each LED rod can be adjusted individually in height, speed, color and luminance. The dynamic light control allows a variety of movements which can be adjusted to the surrounding atmosphere. The entire installation The Wave can change its appearance continuously.

The arrangement of the LED rods is flexible. Therefore every set up is unique and specially designed for each event. Depending on the arrangement, the installation is able to illuminate a small venue as well as to cover a huge space without loosing its effectiveness in terms of luminosity and design. For a sophisticated light choreography we recommend a minimum height of 5 meters at the venue. The average size of the installation THE WAVE is based on the implementation of 80 LED rods connected to 40 winches.

The WAVE is a unique piece of design with a very high artistic claim. Its slick and bright appearance valorises your event and offers a clear positioning in the field of contemporary light art.

'A ballet of lights'

THE WAVE

LED rods

THE WAVE

LED rods

THE WAVE

LED rods

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Further luminaries

The Kinetic Lights System enables the implementation of further luminaries like white spheres.

Further luminaries

Vertical Crystal Shapes

Further luminaries

Tubular Bells

Production facts

> Production time

set up 1,5 - 2 days | dismantling 0,5 - 1 day.

> Onsite team

2 technical members WHITEvoid, 2 local stage hands provided by client, 1 project manager by Balestra Berlin.

> Shipping

shipping of 80 units The Wave: 1 pallet 1343 mm x 2226 mm x 780 mm and
3 pallets each 1366 mm x 1200 mm x 795 mm > total weight 1555 kg.

> Venue recommendation

To gain the best effect we recommend a venue with high ceiling (winches travel up to 7m in height).

> Truss system

The Kinetic Lights winches can easily and securely be attached to the ceiling of a venue or alternatively to standardized truss systems with its mounting brackets. The truss system has to be provided onsite.

> Hydraladder

The production team needs a hydraladder (boom lift) during set up and dismantling time.

The Artist

‘WHITEvoid interactive art & design’ - founded by Christopher M. Bauder in 2004 - operates at the horizon where art, design and technology meet. The studio is comprised of specialists in interaction, media and product design as well as interior architecture and electronic engineering.

The main focus of the projects lies on the translation of bits and bytes into objects and environments and vice versa. Space, object, sound and interaction are the key elements of all works.

The interactive installations and products are created for museums, exhibitions and trade fairs, festivals, concerts and clubs. WHITEvoid’s designs are exhibited and experienced internationally and have gained worldwide recognition.

The Artist

Recent awards (selection)

2011
- Design Award of the Federal Republic of Germany GOLD / networkSim
- iF Communication Design Award GOLD / Roca - The Wave
- iF Product Design Award "interface" / kinetic lights
- REDDOT design award “product design” / kinetic lights
- German Lighting Design Award GOLD / The Wave
- DDC German Designers Club Award / Roca - The Wave
- International Lighting Design Award - highly commended - / The Wave)

2010
Design Award of the Federal Republic of Germany SILVER / web portfolio

2009
W3 Award “Best in Show” / web portfolio
iF Communication Design Award "interface" / web portfolio
iF Communication Design Award "interface" / networkSim
iF Communication Design Award "structure" / networkSim
WEBBY Award / web portfolio

Balestra Berlin

Balestra Berlin acts as the access point through which interested parties interlink with the herein presented light artist WHITEvoid. As agents our services include the selection of contemporary light projects, customization of the installations, project management (development, consulting, preparation, contracting & accounting) as well as the onsite production for their clients.

Feel free to contact us for any rental requests or if you need further information or materials.

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