

# Kinetic LED System

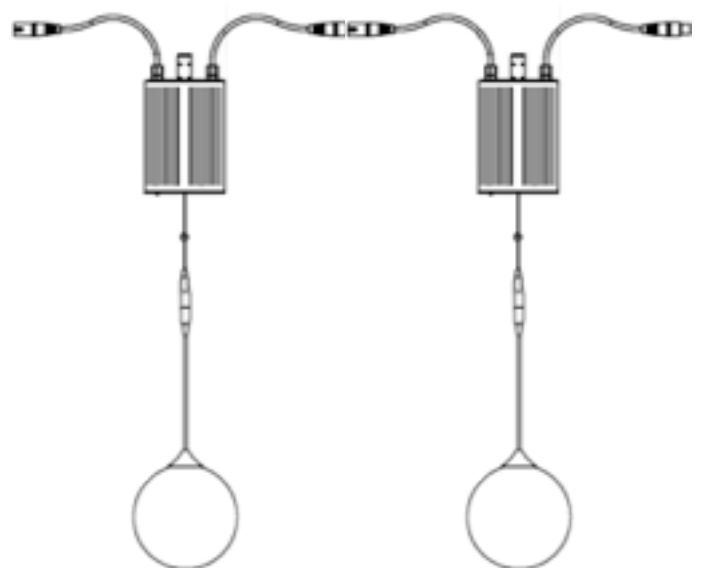
## Orbis Fly



Orbis Fly is a unique LED Lighting Fixture that enables a perfect combination of lighting and movement. Orbis Fly is a simple and bright idea – to move up and down an illuminated object – a merge of the art of lighting with mechanical technology. Inspired by nature, this is the right product for your ambitious lighting project that can literally soar overhead.

Existing objects are RGB light balls with 120mm sizes, but a whole host of objects can be attached to the Orbis Fly motor unit. A light ball, or other object, is connected to a motor unit. Using very thin, specially designed, reinforced flat, signal cable the motor unit can move the objects up and down with precision. Each light ball can be adjusted individually in height, speed, color and luminance - simply by industry standard control equipment. Bespoke array creations of controllable motor units with light balls can generate complex three-dimensional abstract shapes and visual effects.

Individually shaped LED modules can be attached to the system to form custom solutions. Additionally, white, colored, or color changing lights can be integrated to suit various applications. It's designed to impress!



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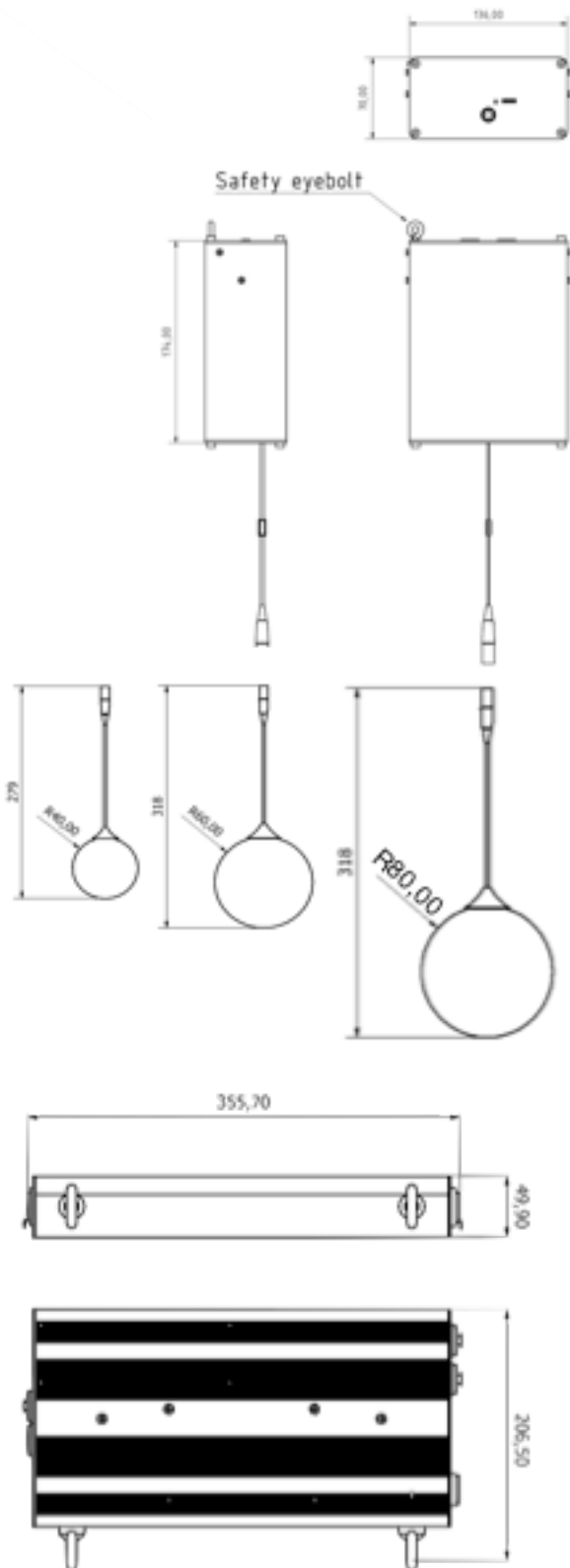
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LED Objects diameter 80mm / 120mm / 160mm



## Technical data:

### Motor unit:

Speed : 0-0,15m/sec XLs-Version;  
0-0,45m/sec. XL-Version  
Lifting height: 6m  
Weight : 1,5kg

### LED-Objects:

Weight: LED-Sphere 80mm: 152g  
Light Source: 4 Nichia SMD / 8000 mcd  
max 2x16 / Controller

Weight LED-Sphere 120mm: 152g  
Light Source: 9 Nichia SMD / 15000mcd  
Max. 2x12 / Controller

Weight LED-Sphere 160mm: 250g  
LED-Object: 9 Nichia SMD / 15000 mcd  
Max. 2x10 / Controller

Grayscale: 10 Bit

### ArtNet Controller:

Control type: ArtNet  
Power: PSU 230/110V 360W  
Weight: 2,5kg

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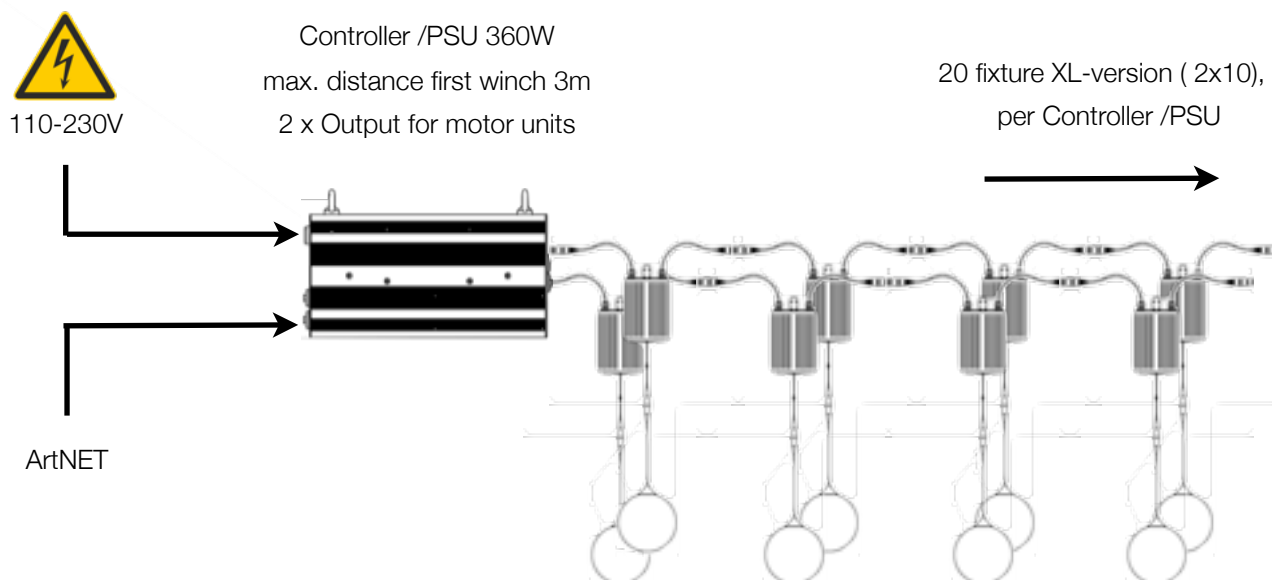
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ORBIS-FLY-XL system is controlled via ArtNet protocol from any DMX Lighting desk or media-server application.



## Global Parameters ArtNet

Art-Net is an Ethernet communication protocol developed by Artistic Licence. Art-Net is a simple implementation of DMX512-A protocol over UDP, in which packets containing lighting settings are transmitted over IP packets, typically on a private local area network such as Ethernet. Controller has two outputs for Motor Units. Each Motor Unit has its number in a chain. Motor Units are identical and auto-addressable, and thus can be replaced or exchanged without need to setup its address.

	Channel on universe	Command description	Art-Net, first Universe, Port
<b>Motor unit #1-20 OUT-1</b>	1-20	Position light unit 1-20	0
<b>Motor unit #1-20 OUT-2</b>	21-80	LED Value Red-Blue-Green 1-20	0

	Channel on universe	Command description	Art Net second Universe, Port
<b>Max length</b>	1	Light Units travel length	1
<b>Length offset</b>	2	Offset from top position	1
<b>Max speed</b>	3	General speed	1
<b>Brightness</b>	4	Brightness LED-Unit	1
<b>LED Gamma</b>	5	Gamma LED-Unit	1
<b>Motor unit #1-20</b>	6-25	Position calibration 1-20	1

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