

Solaris+

Hanging 360° LED Video curtain
for Events and Installations

G-LEC
Visual
Technology #

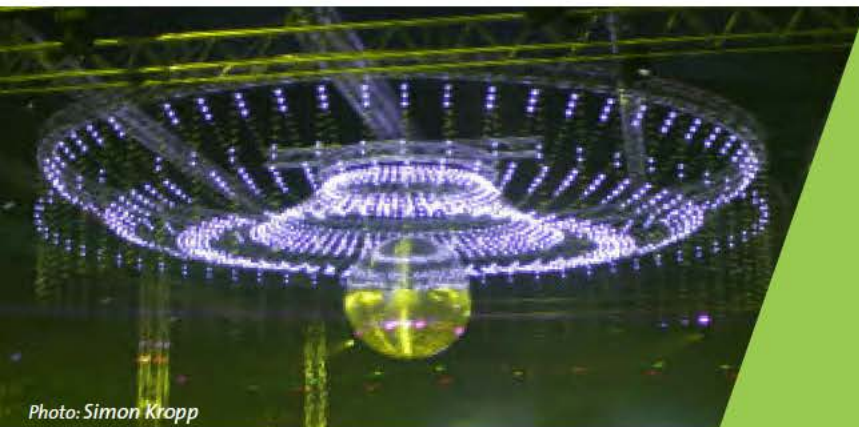
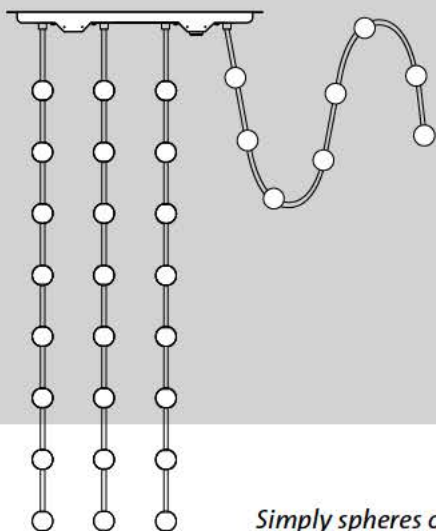


Photo: Simon Kropp



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Brilliant balls on ropes



Simply spheres on a flexible line.



Facts

- Uses G-LEC's ultra reliable video distribution and drive technology
- 40mm diameter spheres with white opaque diffuser give brilliant 360° viewing
- 120mm between each ball
- Free hanging lines up to 8 metres in length
- Free form 3 dimensional shapes can be easily created
- Ultra-bright LED's with 16 million colors
- Full speed video and graphics
- Flexibility gives transparency for wind, light and audio
- Integrates with G-LEC Phantom

Applications

- Stage element for intimate or large concert productions
- Product and stage reveals
- Interior design for clubs, museums and themed environments
- Exhibition stands
- Interactive displays and attractions TV shows
- Video art projects
- Freeform organic presentations

Introduction

Solaris+ is an extremely cost effective way to furnish eye catching video and graphic effects in entertainment and architectural projects. The visual effect of the 40mm diameter 'pixel balls' is remarkable. 360° viewing allows designers to set their imagination free – place the viewers in the middle of Solaris+, or even surround the audience with Solaris+. Solaris+ can be gathered up to form openings, hung in drapes or fixed to hoists to move the whole Solaris+ curtain in 3D space.

Solaris+ is the product for television, stage, corporate presentations or interior design for clubs, museums or wherever else you want to add an extra level of interactivity.

Reliability

Because G-LEC display equipment is used daily in the demanding conditions found on stages and in studios around the world, the technology, both hardware and software, is designed to be hard wearing and robust. G-LEC uses high specification cables, connectors, electronic and mechanical components to ensure the reliability needed for large live performances.

Display

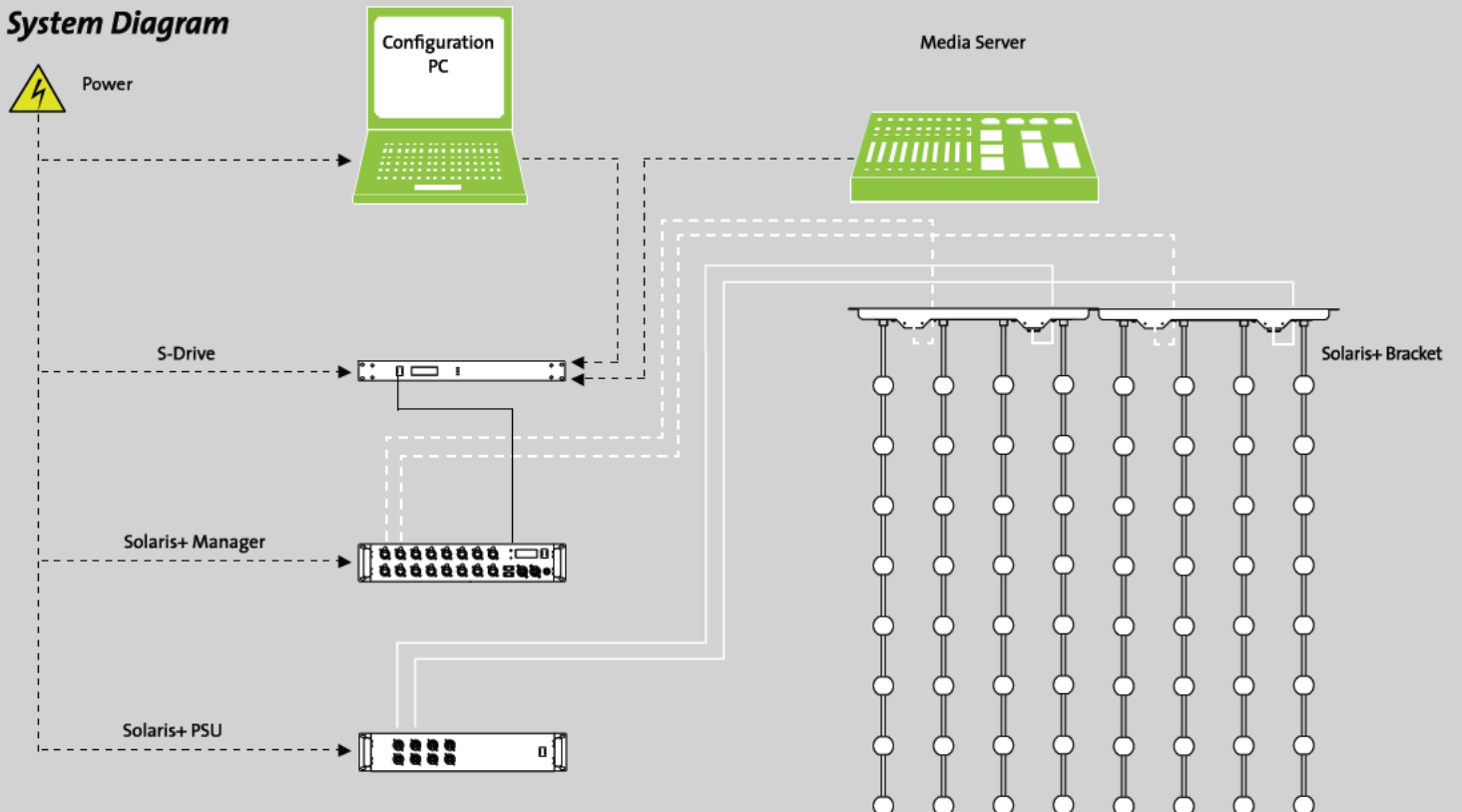
The basic elements of Solaris+ are 40mm diameter balls with white opaque diffuser mounted at 120mm centres on a flexible cable line. One standard line has a length of 96 cm, assembled with 8 balls, and has quarter turn connectors at each end. Ropes may be of any length up to a maximum of 8 metres (64 balls). The ropes can be curved or wound into any shape.

When a number of ropes are hung at 120mm centres, in 2D or 3D groups, Solaris+ will display G-LEC's renowned Pixel Perfect videos and graphics. There is absolutely no limit to the number of ropes that can be used in one installation and therefore, no limit to a designers' creativity.

Processing

The G-LEC S-Drive processor is used to configure the Solaris+ system. This configuration is a simple and straightforward process which uses a laptop or PC computer which is then removed once the system is set up. The S-Drive processor takes a DVI-D video input, which is then transmitted at full video speed to the Solaris+ ropes via fibre optic cables.

System Diagram



Integration

Solaris+ shares the same control and video distribution technologies as Phantom, making it possible to design an integrated media show using different display elements and textures with a single control and media input. Different pixel types and resolutions can be mixed freely and coordinated by the central G-LEC processing equipment.

Technical Specifications

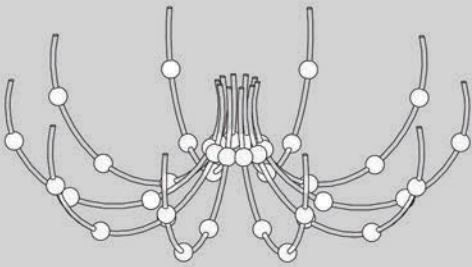
Weight:	Solaris+ Line	360g / 0.79 lbs. per line 2.9kg / 6.39 lbs. per square metre (120mm pixel pitch)
	Solaris+ Manager	4kg / 8.8 lbs.
	Solaris+ PSU	6kg / 13.22 lbs.
	Solaris+ Bracket	620g / 1.37 lbs.
Dimensions:	Solaris+ Line length	960mm / 37.8 inches
	Solaris+ Manager	19" / 2U height, 230 x 430 x 88 mm / 9.05 x 16.9 x 3.5 inches supplies 16 Solaris+ Brackets
	Solaris+ PSU	19" / 2U height 300 x 430 x 88 mm / 11.8 x 16.9 x 3.5 inches
	Solaris+ Bracket	480 x 50 x 40 mm / 19.7 x 2 x 1.6 inches, supplies 4 Solaris+ Lines, each up to 8 sections in length
Optical	Pixel Pitch	120mm / 4.7 in
	Pixel Type	Opaque RGB ball, 40mm diameter
	Colors	16 million colors
	Viewing angle	360°
Electrical	Power Consumption	0.5 Watts per pixel at 100% output
	Solaris+ PSU	
	Input Voltage	Auto sensing 100-240VAC, 50/60 Hz
	Output Power	2 x 320 W Up to 120 Lines on max. 8 brackets
	Solaris+ Bracket	
	Power Data Outputs	130W max (4 x 8 lines) 4 x 8 lines
Construction	Ingress protection	Solaris+ Line & Bracket: IP32 Solaris+ PSU & S-Drive: IP20
	Operating temp.	-10°C to 45°C / 14°F to 113°F
	Humidity	5% -95% non-condensing
Video source	DVI-D signal is supplied to the S-Drive. Data communication from the S-Drive to the Solaris+ Manager(s) is done with fibre optic cables. For further information please see the S-Drive datasheet.	
Class A	This is an ITE Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures. Not for use in residential areas!	

Solaris+

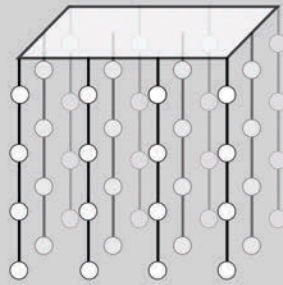


Photo: Manfred H. Vogel

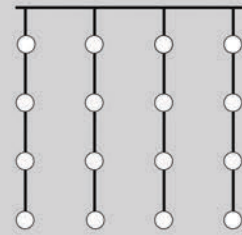
The **Solaris+ System** consists of four or more lines/bracket



can be used like a chandelier or...



build like 3-D objects or...



build like 2-D wall



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