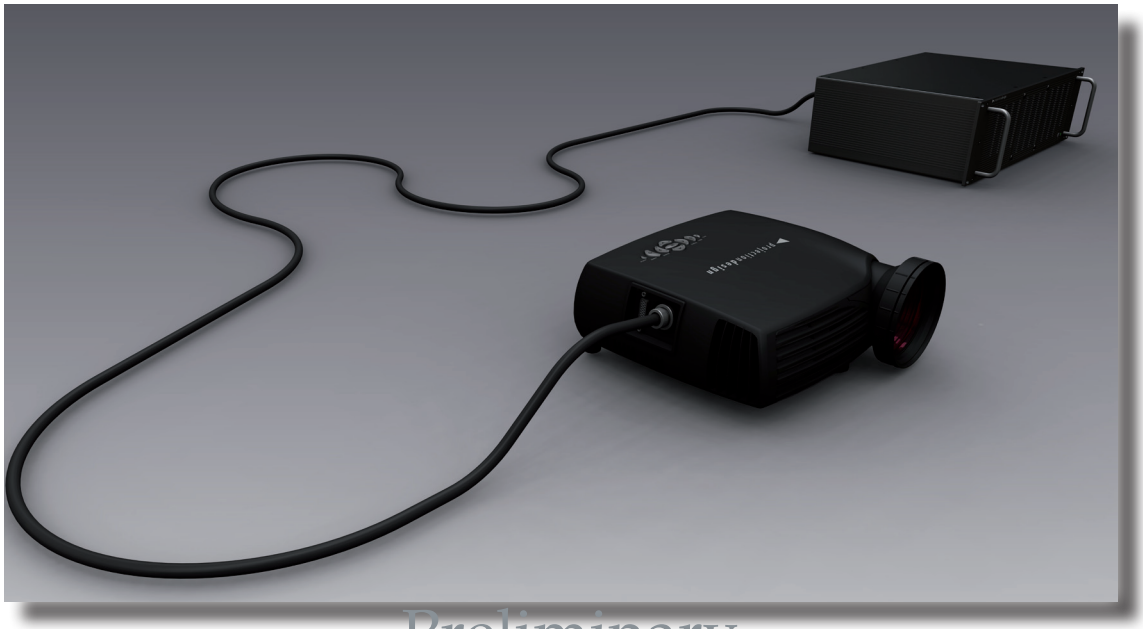
avielo®

by projectiondesign



Preliminary

radiance RLS™

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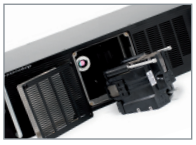
Key features

The avielo radiance RLS™ is truly revolutionary. Building upon the successful avielo radiance, the avielo radiance RLS employs the new Remote Light Source technology to remove the lamp from the projector, creating a near-silent projection head that can be used in a range of applications with noise-free operation and simplified maintenance.



The radiance RLS™ projector head is based on the successful radiance projector and includes the same high performance signal compatibility with high resolution digital and analog signals including HDMI, DVI and HD15 inputs. Power, control and signal connection panel on the avielo radiance RLS™ is the same layout used on the radiance.

The patent pending avielo radiance Remote Light Source (RLS) concept relocates the lamps and colorwheels from the projector to a rack-mount enclosure positioned up to 30m away from the projector head. Light from the RLS illuminates the imaging head via the innovative Liquid Light Guide (LLG). The result is a compact, ruggedized, virtually maintenance-free projector with near-silent operation and simplified maintenance for the lamp. Since there's no lamp in the projection head, the avielo radiance is capable of installation without restriction.

The Liquid Light Guide (LLG) connects the radiance RLS™ to the Remote Light Source. The LLG is filled with a pure water-based liquid which efficiently transmit light from the RLS to the radiance RLS™. The LLG is available in three installation-ready configurations 10, 20 and 30 metre in length, which means that the radiance projection head can be located well away from the RLS isolating the image from the heat and fan noise.

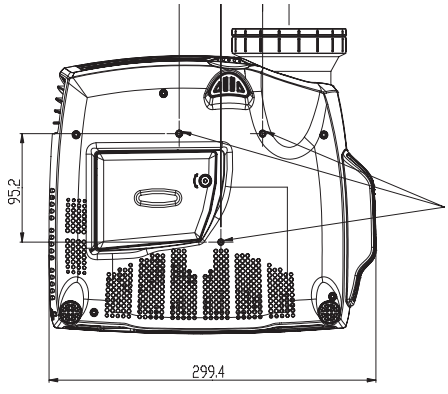
model		avielo radiance RLS™
projection head	technology	single chip DLP® technology
	concept	Remote Light Source installation projector
	resolutions options, native	1920 x 1200 / 1920 x 1080 / 1400 x 1050
	Input resolution, max	1920 x 1200
optics, lenses	wide angle lens	1.03 : 1 / 0.95:1
	standard zoom lens	1.70 - 2.20 : 1 / 1.6 - 2.0
	lens operation	manual zoom and focus
	lens shift / offset, wide angle lenses	109% / 110%
	brightness	TBA
I/O	computer connectivity	HDMI, DVI-D, 2 x VGA
	video connectivity	HDMI 1.3, component, S-video, composite
	control	TCP/IP , RS232, 1x 12V trigger, RC
	ProNet compatible	yes
general	weight	about 2.5 kg
	operating noise level	<24 dB(A)
	dimensions in mm (d w h)	268 x 300 x 104
	standard limited warranty	2 years
	optional extended warranty (conditions apply)	up to 3 years (total warranty period 5 years)
Remote Light Source	lamp options	330W VIDI UHP™
	lamp life full power / eco (typical)	2000 / 2500 hrs
	colour wheel	VizSim 6 segment RGBRGB
	contrast ratio	up to 4000 : 1
general	weight	7 kg
	dimensions in mm (d w h)	482.6 x 132.6 x 309 (3U)
	standard limited warranty	2 years
	optional extended warranty (conditions apply)	up to 3 years (total warranty period 5 years)
	lamp warranty	500 hours or 90 days,whichever comes first

Screen sizes, throw distances, brightness

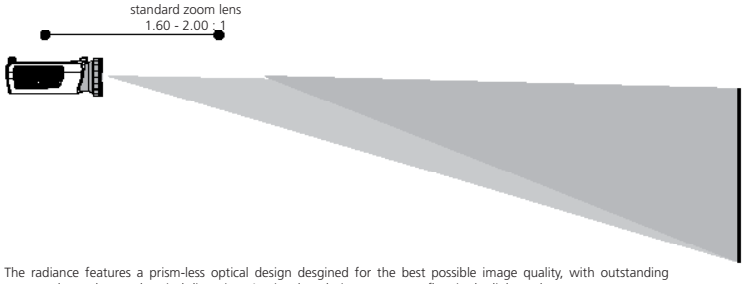
visible area w x h	screen size (width)	distance to screen (cm)		foot lamberts
cm	inches	min	max	
220 x 124	87	352	440	23
260 x 147	102	416	520	17
280 x 158	110	448	560	14
300 x 169	118	480	600	12
320 x 181	126	512	640	10
330 x 187	130	528	660	9

± 5% tolerances

Standardised bolt-on ceiling mount interface



High quality projection lenses



The radiance features a prism-less optical design desgined for the best possible image quality, with outstanding contrast, low colour and optical distortion. A prism-less design ensures no flare in the light path.

Lens shift enables flexible installations

The prisma features 0 – 122% vertical lens shift. That means more flexibility with installations and no keystone correction needed for a perfectly rectangular image.

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radiance RLS™