



aviello®

by projectiondesign



spectra

projectiondesign as
Habornveien 53
NO-1630 Gamle Fredrikstad
Norway
+47 69 30 45 50

aviello@projectiondesign.com

www.aviello.com

Key features

The avielo spectra is compatible with HDMI 1.3a, and is accompanied by a DVI connector that features the same HDMI compatibility, but has added structural support for heavy gauge cables. Both digital inputs feature our unique digital DPEq Digital Pixel Equalization, thus can be used with up to 30m / 100ft¹ copper digital cables without signal loss at 1080p resolution.

The avielo spectra supports SMPTE-C, REC709 and EBU colour gamuts. Each projector is uniquely characterised and calibrated at the factory, ensuring best possible image quality. By enabling perfect 3 dimensional calibration through the use of our own revolutionary RealColor colour management suite, the avielo spectra features near unmatched colour accuracy.

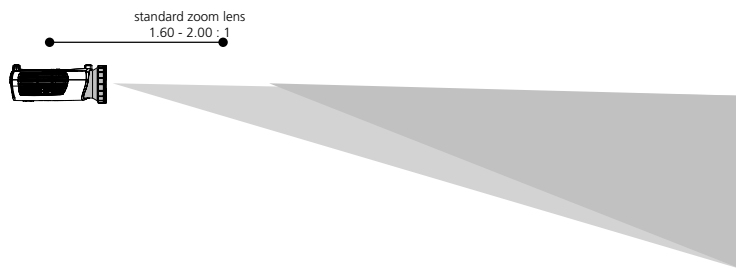
The new FusionPlus VIDI UHP™ lamp is the first of its kind. Using a totally dynamic digital driver power supply, it remains true in image quality throughout its life, for an unprecedented long term stability. The lower power 220W lamp ensure that little heat is generated, thus makes for a very quiet projector.

Sealed, optical architecture prevents dust and contamination from entering the optical assembly for optimum purity. The aspherical lens elements and proprietary LD (Low Dispersion) glass make lenses with excellent ability to resolve the finer detail of 1080p resolution. It is detail and inter-scene contrast that creates stunning images, not only overall black/white contrast.

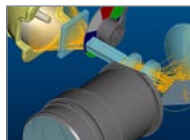
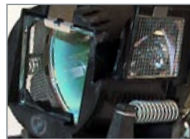
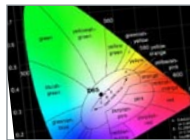
Unmatched attention to detail sets the avielo spectra in a league by itself. A solid, yet ultra compact, molded magnesium chassis acts as a heat sink, reduces operating noise, and makes it virtually bomb proof! The sturdy chassis creates an incredibly stable platform for optics, mechanics and electronics.

1) 30m / 100ft requires 24 AWG cable.

High quality projection lenses



The spectra features a prism-less optical design designed 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.



Technical specifications

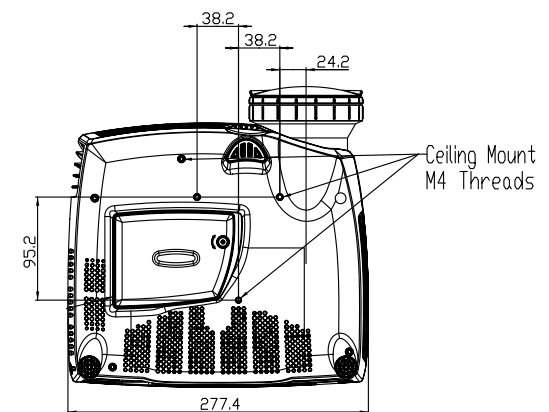
projector		full HD 1080p home cinema DLP® projector
display	concept	single chip, 0.95" 1080p DMD™ BrilliantColor™ technology 1920 x 1080 resolution 6-segment colour wheel (RGBRGB)
	compatibility	1080i/p, 720p, 576i/p, 480i/p, PAL SECAM, NTSC digital and analogue RGB
optics and lamp	zoom lens	1.60 - 2.00 : 1
	lens offset	approximately 124% vertical (with standard zoom lens)
	contrast	>5000 : 1 (native optical contrast)
	brightness	about 1000 ANSI lumens, adjustable
	lamp	220W FusionPlus VIDI UHP™
	lamp life expectancy	3000 hours typical in standard power mode 2000 hours in high power mode
connectivity	video	HDMI 1.3a (HDCP) DVI-I (HDCP) (HDMI 1.3 compatible) 1x RCA (Y/PbPr, YCbCr) (component video) 1x S-Video (s-video) 1x RCA (composite video) HDD-15 (RGBHV, RGBS, RGSB, YUV)
	control	LAN (TCP/IP), RS232, USB IR remote control with IR repeater input
general	operating noise level	<29 dB(A) typical in standard mode
	dimensions (d x w x h)	234 x 278 x 94 mm
	weight	3.4 kg / 7.5 lbs
	available colours	pearl white, etruscan bronze
	warranties	3 years limited warranty. 90 days/500 hours on lamp. Conditions apply.

Screen sizes, throw distances, brightness

visible area w x h	screen size (diag.)	distance to screen (cm)		foot lamberts
cm	inches	min	max	
160 x 90	72	256	336	32
182 x 103	82	291	382	26
203 x 114	92	324	426	22
221 x 125	100	354	464	18
234 x 132	106	374	491	16
244 x 137	110	390	512	14

± 5% tolerances

Standardised bolt-on ceiling mount interface



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