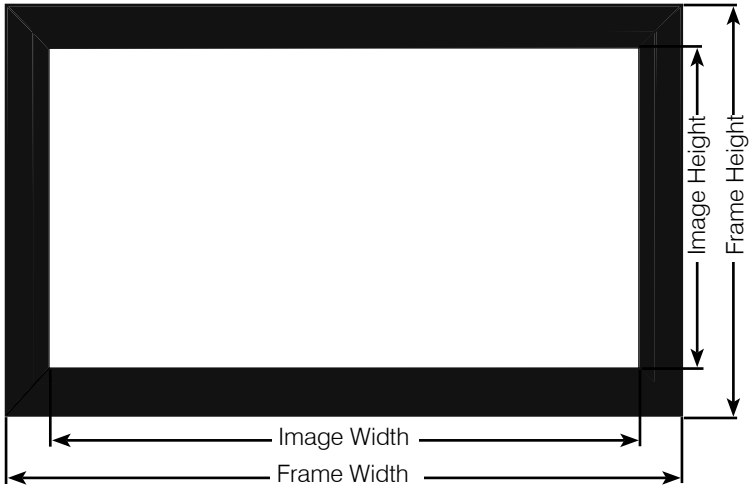
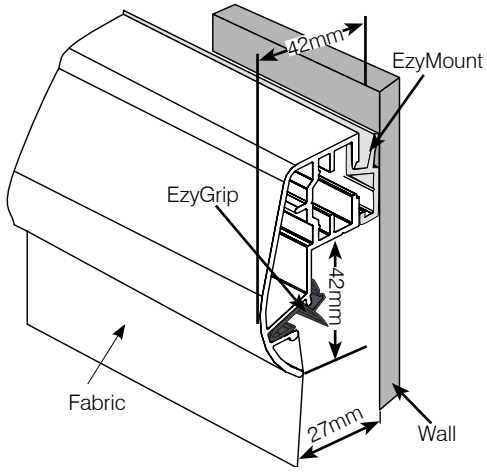
Specifications for LP Morgan Galleria - Plana AT

Features

- Frame – Aluminum extrusions finished with flocked black velour
- Attachment method – EzyGrip for easy fabric insertion
- Wall Installation uses 1.4 metres long EzyMount simple Aluminum strip
- Projection surface is Plana AT
- Screens above 3250mm image width are supplied with rear bracing bars
- Custom sizes available
- Screens are delivered flat packed for assembly on site



Frame section detail



Code	Aspect Ratio	Diagonal (inches)	Image Size (W x H) mm	Frame Size (W x H) mm	Net (kg) Weight	Shipping Size (W x H x D) mm
XGAFB100H	16:9	100”	2210 x 1245	2360 x 1395	14	2700 x 100 x 230
XGAFB110H	16:9	110”	2440 x 1370	2590 x 1520	15	3000 x 100 x 230
XGAFB120H	16:9	120”	2650 x 1495	2800 x 1645	18	3200 x 100 x 230
XGAFB140H	16:9	140”	3095 x 1745	3245 x 1895	20	3400 x 100 x 230
XGAFB147H	16:9	147”	3250 x 1830	3400 x 1980	23	3600 x 100 x 230
XGAFB155H	16:9	155”	3430 x 1930	3580 x 2080	26	3780 x 100 x 230
XGAFB169H	16:9	169”	3750 x 2110	3900 x 2260	30	4100 x 100 x 230
XGAFB172H	16:9	172”	3804 x 2140	3954 x 2290	33	4160 x 100 x 230
XGAFB113CB	2.40:1	113”	2650 x 1105	2800 x 1255	17	3000 x 100 x 230
XGAFB132CB	2.40:1	132”	3095 x 1290	3245 x 1140	19	3450 x 100 x 230
XGAFB139CB	2.40:1	139”	3260 x 1360	3410 x 1510	22	3610 x 100 x 230
XGAFB160CB	2.40:1	160”	3750 x 1560	3900 x 1710	27	4100 x 100 x 230

Note: Please see instruction manual for installation recommendation of your plana AT screen.

Galleria_Spec_Plana AT_Jun11_v1.1

Specifications for LP Morgan Galleria - Plana AT

LP Morgan - Plana AT

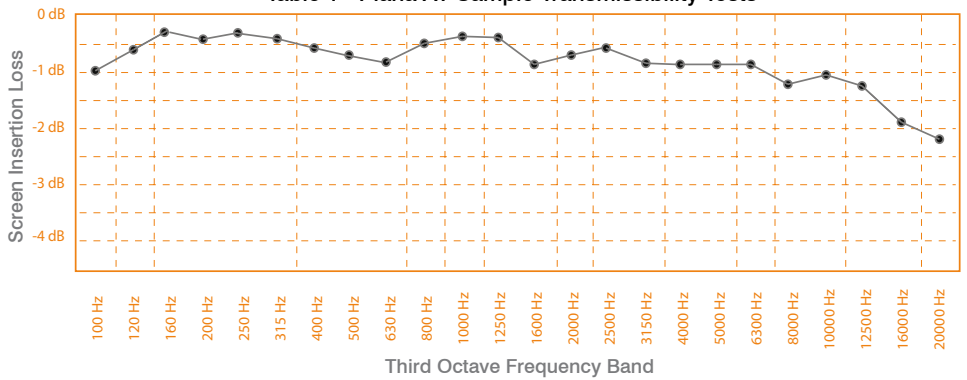
LP Morgan Plana AT fabric is an innovative solution for maximising the visual and aural experience.

A specially designed woven fabric, it allows for speakers to be placed behind the screen with virtually no loss of sound quality. It gives home theatre designers the freedom to place speakers for optimal full range audio performance.With a massive 800,000 plus openings per square metre, Plana AT sound transmission patterns are similar to high quality speaker grille cloth. And just as importantly, visually there is only 6% light loss.Plana AT the perfect partnership - sound and vision.

Table 2

Band	AT1200	AT Grey
100 Hz	-0.7 dB	-0.9 dB
125 Hz	-0.4 dB	-0.4 dB
160 Hz	0.0 dB	-0.3 dB
200 Hz	-0.2 dB	-0.3 dB
250 Hz	-01 dB	-0.3 dB
315 Hz	-0.2 dB	-0.4 dB
400 Hz	-0.4 dB	-0.5 dB
500 Hz	-0.5 dB	-0.6 dB
630 Hz	-0.6 dB	-0.8 dB
800 Hz	-0.3 dB	-0.5 dB
1000 Hz	-0.2 dB	-0.3 dB
1250 Hz	-0.2 dB	-0.2 dB
1600 Hz	-0.7 dB	-0.9 dB
2000 Hz	-0.5 dB	-0.7 dB
2500 Hz	-0.4 dB	-0.5 dB
3150 Hz	-0.6 dB	-0.7 dB
4000 Hz	-0.6 dB	-0.8 dB
5000 Hz	-0.6 dB	-0.7 dB
6300 Hz	-0.6 dB	-0.7 dB
8000 Hz	-1.0 dB	-1.0 dB
10000 Hz	-0.9 dB	-0.9 dB
12500 Hz	-1.0 dB	-1.6 dB
16000 Hz	-1.6 dB	-2.3 dB
20000 Hz	-2.0 dB	-2.8 dB
Max.	-2.0 dB	-2.8 dB
Avg.	-0.6 dB	-0.8 dB

Table 1 - Plana AT Sample Transmissibility Tests



Tables 1 & 2 show the third-ocatve band insertion loss results in detail from 100 through 20,000 Hz. and summarises the average and maximum screen insertion loss (IL) for each screen sample, as well as the band which the maximum IL occurred. These results are valid for the third-ocatve bands between 100 and 20,000 Hz.

Installation Recommendations

Minimum Recommended Size

- The minimum recommended size for a Galleria Plana AT screen is 2160mm wide. The reason for this is to avoid the possible occurrence of the Moiré effect.
- Moiré is a condition that can affect all acoustic transparent fabrics, regardless of manufacturer, woven of perforated. It occurs more frequently with smaller screen sizes, which is why our screen range starts at 2210mm wide.
- Plana AT fabric is a machine woven fabric, with some variation in strands thickness and placement. This inherent feature means there is little regular alignment with the pixel grid of the projector which reduces the incidence of Moiré further.

Light Penetration

- All acoustic transparent fabrics have some degree of light penetration.
- We have decided not to offer a second black backing fabric with Plana AT. Our reasoning is that any additional fabric will create additional barriers for sound, and reduce the current stellar acoustic performance of the fabric.
- Our recommendation to our dealers is to always use a dark background behind the screen, using a flat, non-reflective paint. It is preferred the colour match the speakers behind the screen.

Galleria_Spec_Plana AT_Jun11_v1.1
Specifications are subject to change without notice.