



PROJECTION SCREENS

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The True Value of Projector Screens

By the time you've put in the time, effort and money of buying a decent projector, you may ask yourself if it's really worth going through all of the research and making the extra spend to buy a projector screen as well. After all – a screen is a flat, white background – how different can it be from simply shining your projector onto the bare wall?

We take a very different view. Depending on who you talk to in the (admittedly rather small) world of Projector experts, projecting straight onto the wall can be anything from 'probably unadvisable' to 'a cardinal projection sin'.

We lean more towards the latter – and here's why.

TEXTURE

The problem with your blank wall is it isn't as flat as it looks. Run your hands along it if you're in any doubt – it's almost certainly filled with bumps, crevices and imperfections.



Each one of those bumps will cause a tiny shadow on the surface of your picture, which when multiplied across the whole wall can significantly reduce how bright and crisp the final image is.

On a low quality image, this isn't enough to make a major difference, but high resolution projectors are more accessible than ever so if you've invested in a decent projector then those tiny little bumps in the wall are going to reduce the return you're getting on your investment.

LIGHT & COLOUR

Even if you somehow managed to magically make your wall as flat as a projector screen, it still wouldn't be all that good at directing and focusing the light from your projector back into your eyes. Put simply, the paint on your wall (however dazzlingly white it may be) is just not designed to respond to and reflect bright, focused light from projectors which has a massive impact on the image consistency and colour.

For obvious reasons, a white wall is not designed to cancel-out abstract and natural light – whereas a projector screen is specifically designed to achieve this thanks to its special coating. Using a projector screen is the only reliable way to ensure that the image is as defined as it can possibly be, with minimum outside interference from natural light.

FRAME

This one is perhaps more to do with the viewer than the actual projector. Having a dedicated frame around your high-quality picture increases the focus. It's simple – if you put a frame around something, our brains are designed to home in on it.

It gives us a fixed reference point, properly configured to the specifications of the projector. The border helps to focus our eye and contain the image, drawing attention away from any stray reflections and abstract light in the background.

Even if you're working on a budget, maximising the potential of a cost-effective projector can result in a better image than stretching your budget to a higher spec projector and then skimping on the projector screen.



WHICH SCREEN?

BOYD VISUALS HANDY TIPS FOR CHOOSING THE RIGHT SCREEN

Choosing **what size** and **type of screen** can appear a little daunting, however if you follow some basic guidelines the **choice is easy!**

4:3 Video format and 16:10 Widescreen format screens are normally referred to by their diagonal measurement, and in inches. This may sound a little confusing however this guide, and tables on the following pages, should help.

The aspect ratios refer to the proportions of width to height. (eg 4:3 is 4 units wide by 3 units high).

The recommended image size is directly related to the viewing distances from the screen.

As a general rule for typical commercial or educational installations, the ideal viewing distance is approximately 6 times the screen height for typical “slide-show” presentations, and 4 times the height for detailed charts and documents such as spread sheets etc.

If you know the size of the room, divide the maximum viewing distance by 6. This is the recommended screen height. Don't forget to check the ceiling height; the bottom of the screen should be at least 1100mm from the floor. Once you know the ideal screen height, the width will be determined by the screen format. Most commercial projectors output either a 4:3 (PAL Video) or 16:10 (wide screen) format.

EXAMPLE:

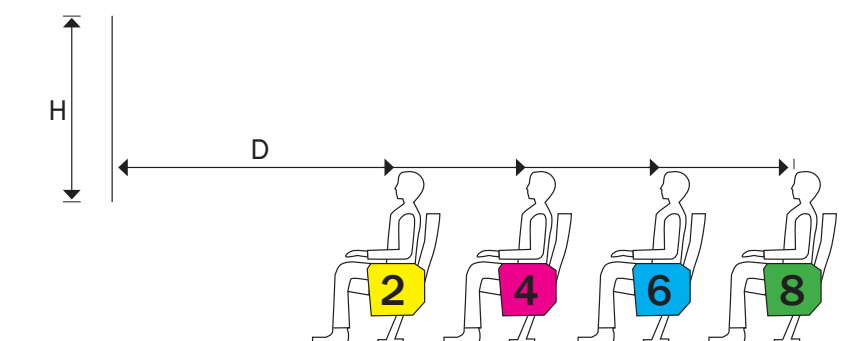
If the furthest seat is 9 metres from the screen, then 9 divided by 6 = screen height of 1.5m.

From the list on the next page, a 4:3 format screen will be approximately 2.0m wide, whereas a 16:10 format screen will be approximately 2.4m wide.

In this case the best screen would be: 100” diagonal 4:3 Video format or 110” diagonal 16:10 Widescreen format.

Viewing Distances (D)

Minimum	= H x 2
Detailed Charts	= H x 4
Slide Show	= H x 6
Maximum	= H x 8



DELUXE ELECTRIC

WALL OR CEILING MOUNTED PROJECTION SCREENS

The Deluxe Electric projection screens are ideal for meeting rooms, boardrooms, schools and conference facilities. These screens can be easily mounted to the wall or suspended from the ceiling and no control wiring is required - simply plug in and play!

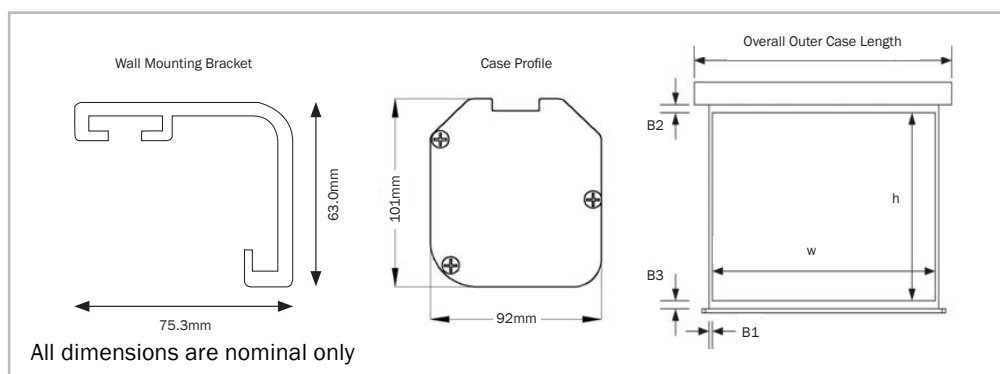


FEATURES

- Elegant extruded aluminium casing
- Built-in multifunction remote control receiver & detachable manual control panel
- Matt white screen surface with black borders provides a defined image
- Reinforced fabric for durability
- Advanced tubular motor for reliability
- Available in Wide (16:10) format
- Large top border to allow greater flexibility in positioning
- Adjustable mounting brackets for ease of installation
- 12 Month Guarantee

SPECIFICATIONS

Size	Format	Image Area h x w (mm)	Overall Case Length (mm)	B1 Black Borders (mm)	B2 Black Borders (mm)	B3 Black Borders (mm)	Code
94"	Wide (16:10)	1270 x 2030	2260	40	450	40	SDEP94W
110"	Wide (16:10)	1475 x 2360	2585	40	450	40	SDEP110W
115"	Wide (16:10)	1550 x 2480	2740	40	450	40	SDEP115W
128"	Wide (16:10)	1725 x 2765	3030	40	450	40	SDEP128W



CLASSIC MANUAL PULL-DOWN

WALL OR CEILING MOUNTED PROJECTION SCREENS

With a special slow retracting mechanism and brilliant matt white surface, these versatile manual pull-down screens are ideal for classrooms, meeting rooms, conference facilities and churches.

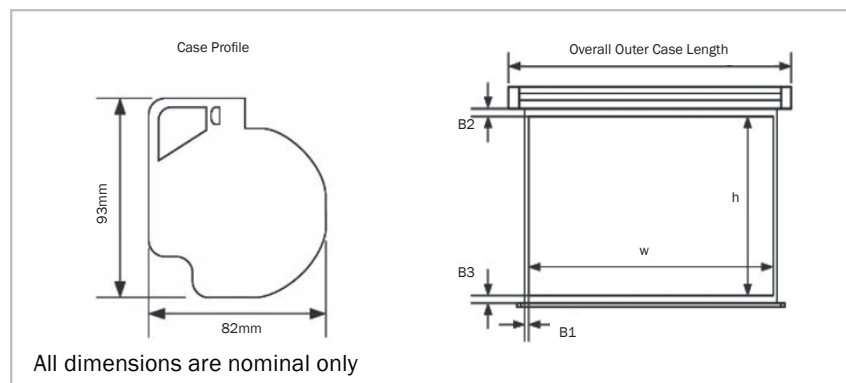


FEATURES

- Easily mounted to the wall or suspended from the ceiling
- Matt white screen surface with black borders provides a defined image
- Slow retracting - for quieter and safer movement
- Reinforced fabric for durability
- Strong spring roller mechanism for ease of use
- White casing
- Available in Video (4:3) or Wide (16:10) format
- Large top border to allow for greater flexibility in positioning
- 12 Month Guarantee

SPECIFICATIONS

Size	Format	Image Area h x w (mm)	Overall Case Length (mm)	B1 Black Borders (mm)	B2 Black Borders (mm)	B3 Black Borders (mm)	Code
80"	Wide (16:10)	1065 x 1705	1840	30	450	30	SCMP80W
94"	Wide (16:10)	1270 x 2030	2185	40	450	40	SCMP94W
110"	Wide (16:10)	1475 x 2360	2510	40	450	40	SCMP110W
115"	Wide (16:10)	1550 x 2480	2630	40	450	40	SCMP115W
128"	Wide (16:10)	1725 X 2765	2915	40	450	40	SCMP128W



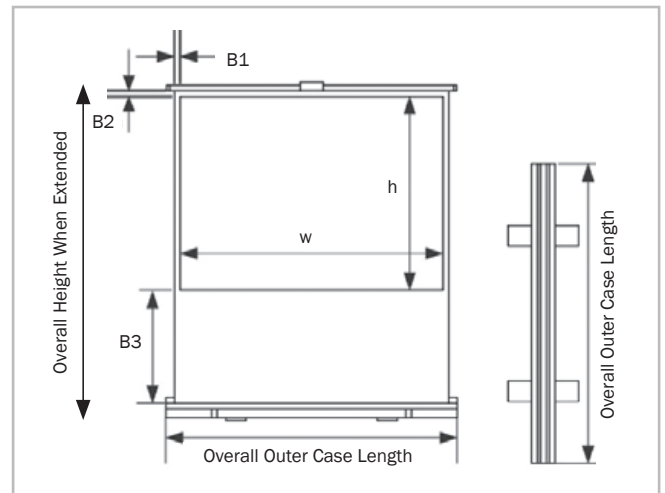
PORTABLE PULL-UP

PROJECTION SCREENS

Perfect for the travelling business presenter, these portable pull-up projection screens almost self assemble. Lightweight and compact yet robust, they are ready to use in seconds. After use, they collapse easily into the integrated aluminium protective case. When in use the screen is self supported by gas struts.

FEATURES

- Stylish lightweight yet robust aluminium casing
- Scissor lift mechanism with gas lift assistance allows for easy set up and height adjustment
- Swivel feet for maximum stability
- Matt white screen surface with black borders provides a defined image
- Reinforced fabric for durability
- 12 Month Guarantee



SPECIFICATIONS

Size	Format	Image Area h x w (mm)	Overall Case Length (mm)	B1 Black Borders (mm)	B2 Black Borders (mm)	B3 Black Borders (mm)	Overall height (mm)	Code
72"	Wide (16:10)	965 x 1550	1725	30	995	30	2085	SPPU72WX
90"	Wide (16:10)	1220 x 1960	2135	30	1085	30	2430	SPPU90WX
60"	Video (4:3)	915 x 1220	1400	30	1045	30	2085	SPPU60V
80"	Video (4:3)	1220 x 1625	1800	30	740	30	2085	SPPU80V

TRIPOD

PROJECTION SCREENS

These economical, multipurpose portable tripod screens are constructed from lightweight, robust steel and come with a scratch resistant case. They are height adjustable to suit your venue setup and the compact and durable design makes them easy to transport.

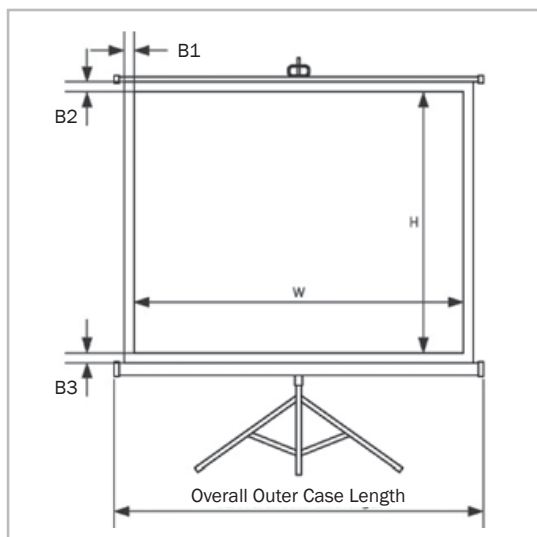


FEATURES

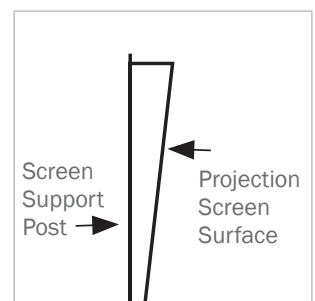
- Durable lightweight steel construction with a scratch resistant case
- Flexible height adjustment for ease of use
- Built in adjustable 'keystone' eliminator for better alignment and viewing
- Matt white screen surface with black borders provides a defined image
- Reinforced fabric for durability
- Supplied complete with soft carry case
- 12 Month Guarantee

SPECIFICATIONS

Size	Format	Image Area h x w (mm)	Overall Case Length (mm)	B1 Black Borders (mm)	B2 Black Borders (mm)	B3 Black Borders (mm)	Code
1.5m	Square	1520 x 1520	1665	30	30	50	STR15S
1.8m	Square	1780 x 1780	1920	30	30	50	STR18S



Adjustable handle



Adjustable keystone correction

ACCESSORIES

FOR PROJECTION SCREENS



180MM WALL EXTENSION BRACKETS

- Optional accessory for use with Boyd Visuals Classic Manual Projection Screens
- Colour: White
- Product Code: SWB180



SCCONTROL

- Optional Current Sensing trigger for SDEP Screens
Triggers screen when projector turned on or off
- Use with SRFCONTROL for other motorised screens
- RF - no wiring required



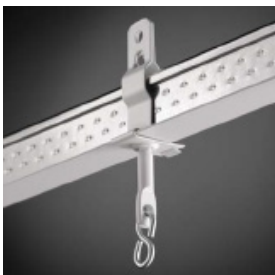
SUNICONTROL

- 3 in 1 Universal control for entry level motorised Projection Screens
- Product Code: SUNICONTROL



SRFCONTROL

- Infrared remote control and receiver
- Compatible with most entry level motorised projection screens
- Product Code: SRFCONTROL



T-BAR CLIP

- Optional accessory for use when installing Boyd Visuals Classic Manual Projection Screens from suspended ceilings
- Product Code: STBAR

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