

Case for Projectors Vs TVs

The cost of large screen TV's is now at the point of near parity with projectors. A typical ceiling mounted projector that is fitted to the school costs around £360 , wall mounted projectors are £770. Current market values for 65" domestic TVs cost £550 (eg HISENSE 65A7300FTUK 65" at Currys currently costs £549) a 75" SAMSUNG UE75TU7020KXXU at the same store currently costs £800.

	Projector	TV
On-going costs	Power usage high Replacement bulbs (although newer laser projectors have much longer lifetimes)	Power usage low No on-going costs
Other potential costs	Curtains / blinds. Getting a power supply to the projector Getting a VGA and/or HDMI cable to the projector	Mobile trolley if required Mounting bracket. TV Getting a VGA and/or HDMI cable to the TV
Lifespan	About 3,000 hours for a bulb (unpredictable).	40,000-60,000 hours on average
Warranty	Upto 3 years	Might not be covered using Domestic TV in this environment. Commercial panels are available at twice the cost.
Image size	Adjustable - Medium to Large	Fixed - Medium
Image brightness	Initially good but fades.	Bright image that stays bright for a number of years
Image sharpness	Average	Good
Mobility	Relatively mobile (unless wall/ceiling mounted)	Not easily mobile unless mounted onto a specialist mobile trolley
Annotation	Can project onto a whiteboard and annotate using a whiteboard marker	Can only annotate on the device being displayed (eg. tablet, laptop etc)
Ease of installation	Can be difficult if room is not suitable e.g. high or low ceiling, wall space not available, difficult to get cables to teacher's desk etc	Tends to be easier to install but takes up significant wall-space. Tends to be unobtrusive on a wall

	Needs a suitably sized separate screen / flat & reflective surface Can look obtrusive in the room	
Robustness and Ease of Use	Can be prone to brackets becoming loose. Fans can be noisy. Can give out a lot of heat. Can take some time to start up. Vibrations can easily affect the image. Shadows can be annoying. Poor image brightness can mean you need to turn off the lights or close the curtains Requires maintenance like cleaning or replacing filters and bulbs	(Almost) instant-on Silent to operate. Don't give out lots of heat. Sturdy when properly mounted. Shadows are not an issue. Little maintenance required