

What is a Gobo ?

A gobo is best compared to a stencil or photographic slide. They are used in all manner of stage lights, automated lights and projectors. Gobos can be used to project logos, patterns or photographic images.

They can be made of metal, black and white glass or coloured glass and range from in size from 22.5mm to 100mm diameter.

What types of gobo are available?

- Metal
- Black and White glass
- Coloured Glass

Gobo in Black and White Glass!

Mono Gobo Proof
Robe ColorSpot 700E AT, 575E AT,
575 AT, 250 AT, 170 AT,
ClubSpot 600 CT, 500 CT, 300 CT,
250 CT, 160 CT,
26.5mm Overall Diameter
19mm image area
WHITE/GREYSCALE = LIGHT



How can Gobo benefit you?

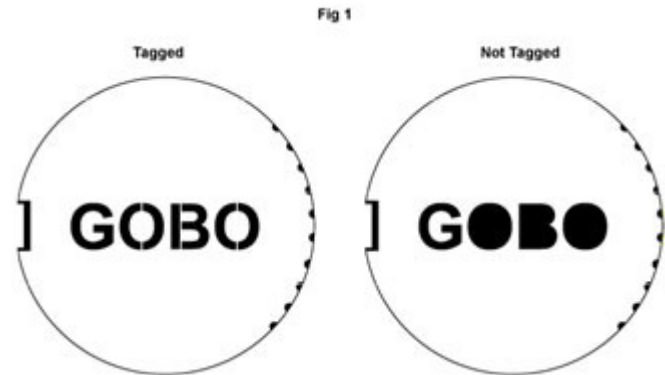
Gobo's can be used by lighting designers for great effects – But as administrators, why not get in on the act – before the production advertise your sponsor in a fixture that they pay for and which can be used in your production – for example – place a logo in a moving light, then during the event use the moving light to its full capability

To know more about Gobo's visit
www.ProductionIreland.com and click on 'Resources'

Metal vs Glass

Metal Gobo's are the cheaper option, this is because they are made of a cheaper material and can more easily be massed produced. The drawbacks are :

- Tagging
- Only black and white images
- Limit on Detail
- Longevity



Glass Gobos

We only use the highest quality materials. Our gobos incorporate a unique dark mirror coating on the reverse side of the gobo, this drastically cuts down on internal reflections within the lamp and produces a sharper projection with much less glow or 'halation' around the projected image.

Black And White Gobos



These allow for very fine detail images to be realised, even on small gobo sizes. Using the most advanced image setting technology available, we can produce extremely small text and images which are pin sharp. We can also produce high resolution grey scale images with fine shades and blends and photographic quality images.

Colour Glass Gobos

This process uses ultra thin zero expansion dichroic layers producing a very thin finished gobo which will actually fit in modern automated fixtures. It also keeps all the layers of the image effectively in the same focal plane, this is particularly important in the many fixtures now available with high quality projection optics. This process uses Cyan, Magenta, Yellow and black (CMYK) colour mixing. This allows us to produce a very wide range of colours as well as full high definition photographic style images. We produce three main types of colour gobos:



Single colour, clear and black.

These allow you to have for example text and a coloured logo on the same gobo or to have a coloured background with clear and black text or graphic elements. Colour in this instance refers to flat colour and does not include gradients.



Two colour, clear and black

These allow you to have for example text and a coloured logo on the same gobo or to have a coloured background with clear and black text or graphic elements. Colour in this instance refers to flat colour and does not include gradients.

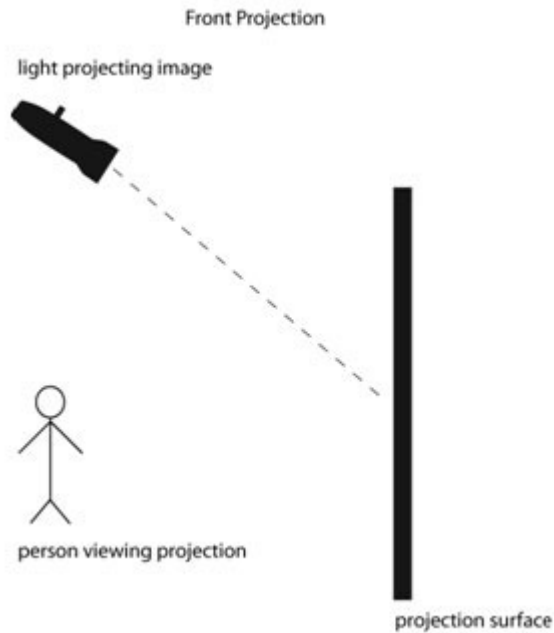


Full Colour

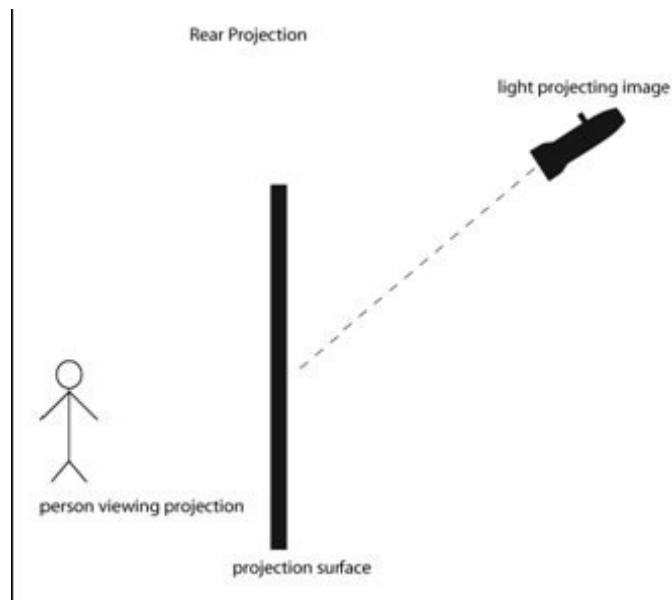
Your imagination is the limit, we can reproduce multiple colours, shades and gradients and extremely fine detail. Complex Graphics, realistic colour photographic images are all possible using this method.

Front or Rear Projection

Front Projection is when you are projecting the image from the same side as it is being viewed.



Rear Projection is when you are projecting the image from behind the projection surface and the image is therefore viewed from the other side.

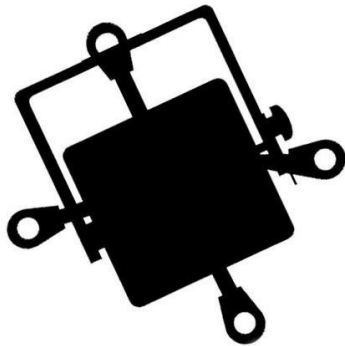


Keystoning

Keystoning or keystone correction is required when it is not possible to position the light directly in front of the projection surface. Projecting obliquely will result in a distorted image. Production Services Ireland can alter the artwork so that the projected image is not distorted. Contact Production Services Ireland if you think you may require this service.

www.ProductionIreland.com

for all your theatrical and corporate requirements.



Production Services Ireland