

## **Design History**

When Photo therapy was applied to a Head Box (Oxygen Hood) the Neonates head became very restricted. The phototherapy contains UV (blue light) which can be damaging to the Neonates sensitive eyes. Eye pads were then invented. However these can cause irritation to the Neonates delicate skin and take up so much of the neonates face that the parents were unable to see and recognise them.

An idea was to create a screen like sunglasses to cut out the bright light.  
A sheet of dark plastic was formed to fit over a head box.

The DHS scientific department evaluated this product and decided it cut out the light but allowed too much UV to pass through. They discovered and tested via NPL a material called Amber 300 which completely removed the UV component and left the Neonate with a very healthy looking colour.

Light shields and head boxes were then circa 1980's made available as products.

Apart from variations in size these products have remained the same throughout their availability.

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