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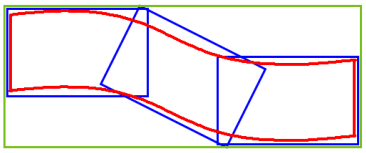
- Ventilation:
  For every OMEGA unit 4x fresh air input and 4x hot air output (Ø77mm diameter holes with 80mm blowers) are recommended
  For PC: 1x 1x fresh air and exhaust air (80mm blower)
- When linking several OMEGA modules to work as a large screen (eg for a long bar) the projections need to be overlapping for at least 5cm so that an EdgeBlending / SoftEdge can be performed. Example of a curved display:



red = visible projection area (‚display')
blue = projections of three modules
green = size of the "scene" (relevant to the software development and design of the wallpaper graphics)

- Distance between the bottom of the module and the projection surface: 98cm
  Please also refer to the CAD model (*.stp) of the OMEGA module
- Large doors for setup and maintenance of the OMEGA modules required
  (eg removable walls of the housing).
- The inside oft the housing has to be matte black (painted or coverd with foil, eg RAL 9005 - HR)
- Projection surface:
  The projection film (supplied by eyefactive) should be laminated onto a glass (e.g. 6-10mm toughened glass, or 10-25mm acrylic glas). The projection surface should be larger than the visible projection area (depending on the thickness of the disc at least 1-3 cm margin around the visible area of the projection)
  The glass around the visible projection area may be designed by printing, painting, or foil
- Cables / connectors that should by provided by the housing:
  - power supply (230V, approx. 1 kW per module)
  - USB
  - LAN network RJ-45 (if required)
- Ambient light and lighting at the site of operation:
  No direct illumination of the surface
  - to avoid shadows casted by the hands and
  - to achieve a good contrast of the projected image.
- To ensure a reliable touch tracking the lighting should
  - not contain strong infrared spectrums (around 850±50nm) such as sunlight or halogen. Ideal lightings are LED and all lamps giving a 'cold light'
  - be free of quickly changing lighting conditions (switching lights on/off, flickering lights, open/closing curtains etc.) because the system takes a few minutes to adjust itself to the new lighting conditions.