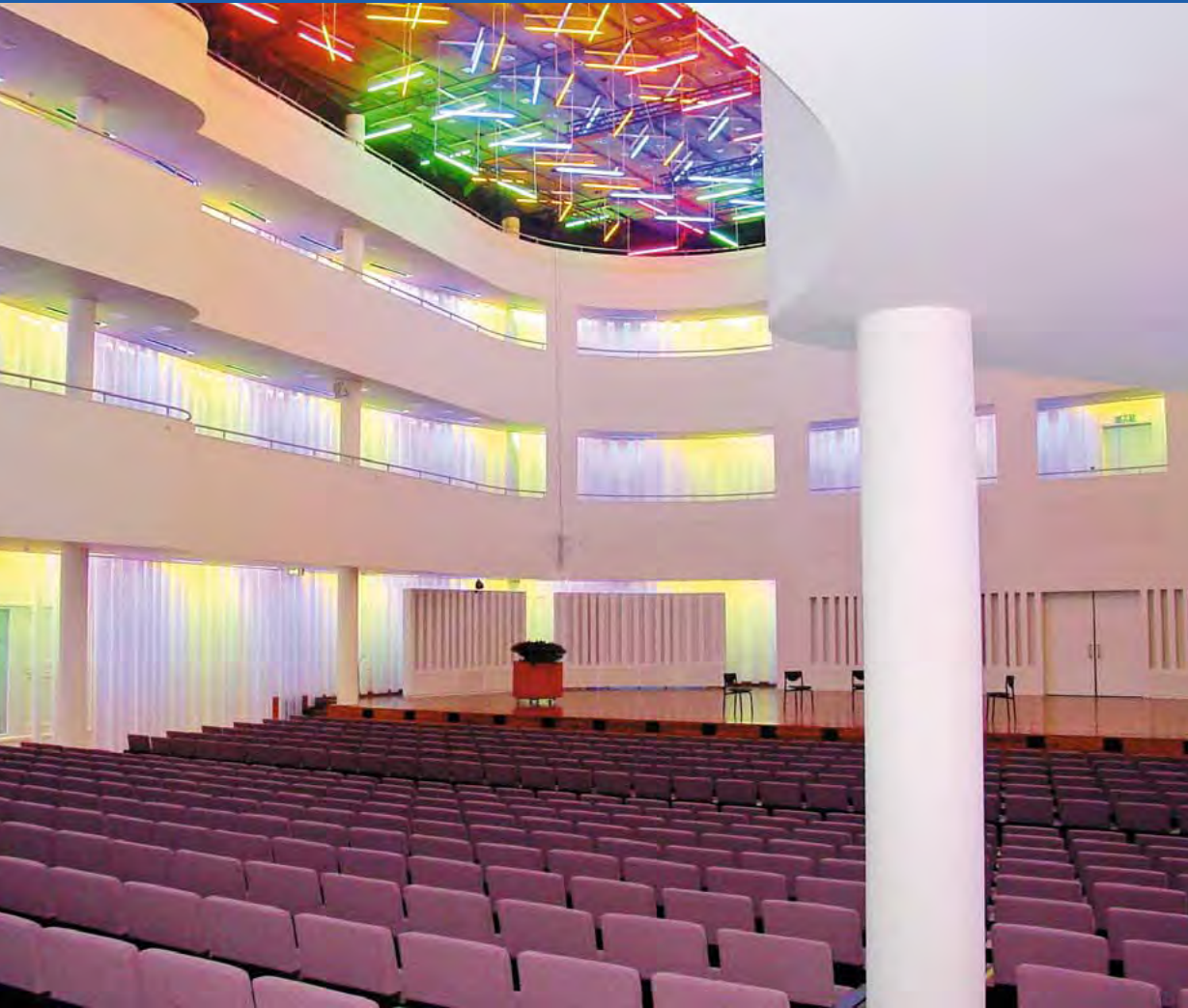


Concert Hall

Tilburg



Client Municipality of Tilburg
Architect Jo Coenen
Completed 1996
Volume 12,000 m³
Seats 780
Reverberation time 2.1 s

The concert hall in Tilburg was built as a part of the Art Cluster, which also contains the conservatoire and dance academy. The concert hall was designed for all types of symphonic music. With average interior sizes of 40x20x15 m (l_xw_xh), sufficient volume has been achieved for symphonic music. The design resembles the shape of a violin but is essentially the often used shoebox shape. In the design phase, acoustic tests were performed using a 1:16 scale model. Based on these scale model measurements, three narrow balconies were constructed to improve sound diffusion. The necessary diffusion with respect to the curved walls was achieved by means of an irregular pattern of transparent plastic elements hung in front of the curved walls, behind which lighting elements were placed.