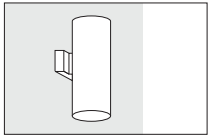
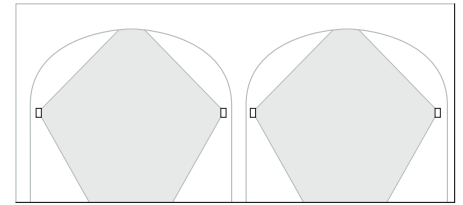
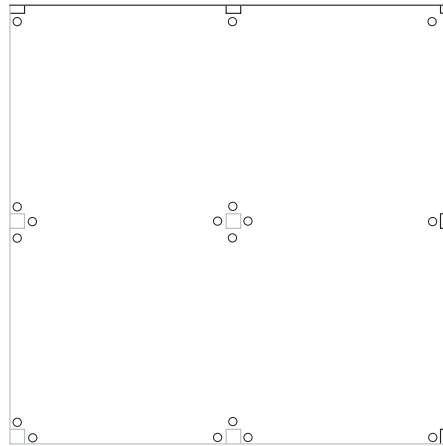


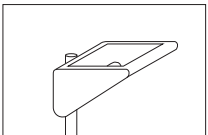
4.0 Examples of lighting concepts
 4.16 Vaulted ceilings



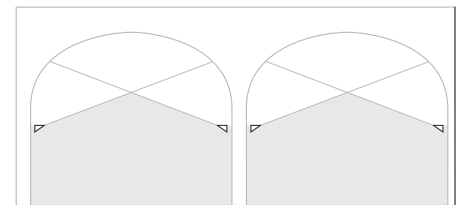
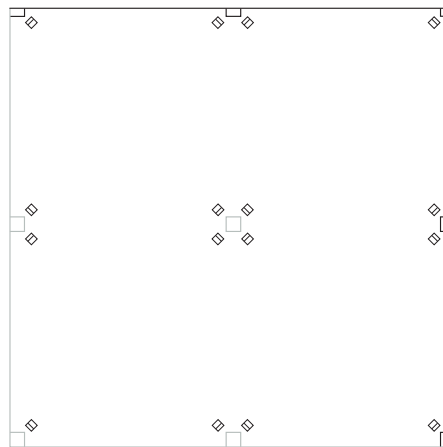
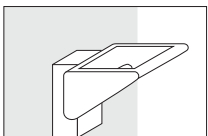
Combined up and downlight for halogen lamps.



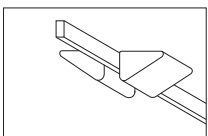
The vaulted ceiling is illuminated by combined up/downlight luminaires mounted on the pillars. Each free-standing pillar has four luminaires and each pilaster one luminaire. This provides sufficient ambient lighting to make the architecture visible, and for visitors' and users' orientation.



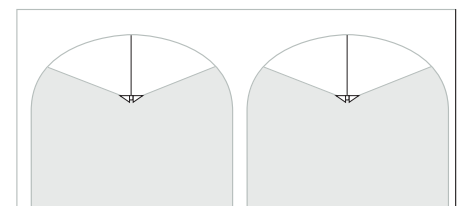
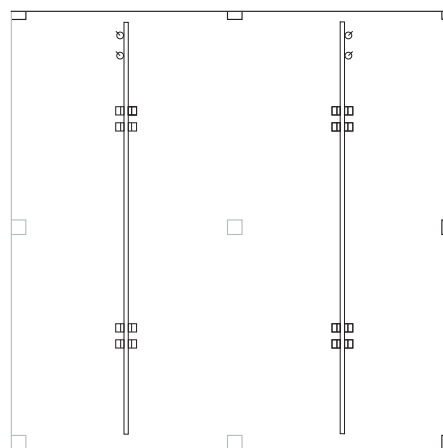
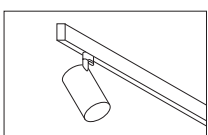
Free-standing or wallmounted ceiling washlights for halogen lamps or metal halide lamps.



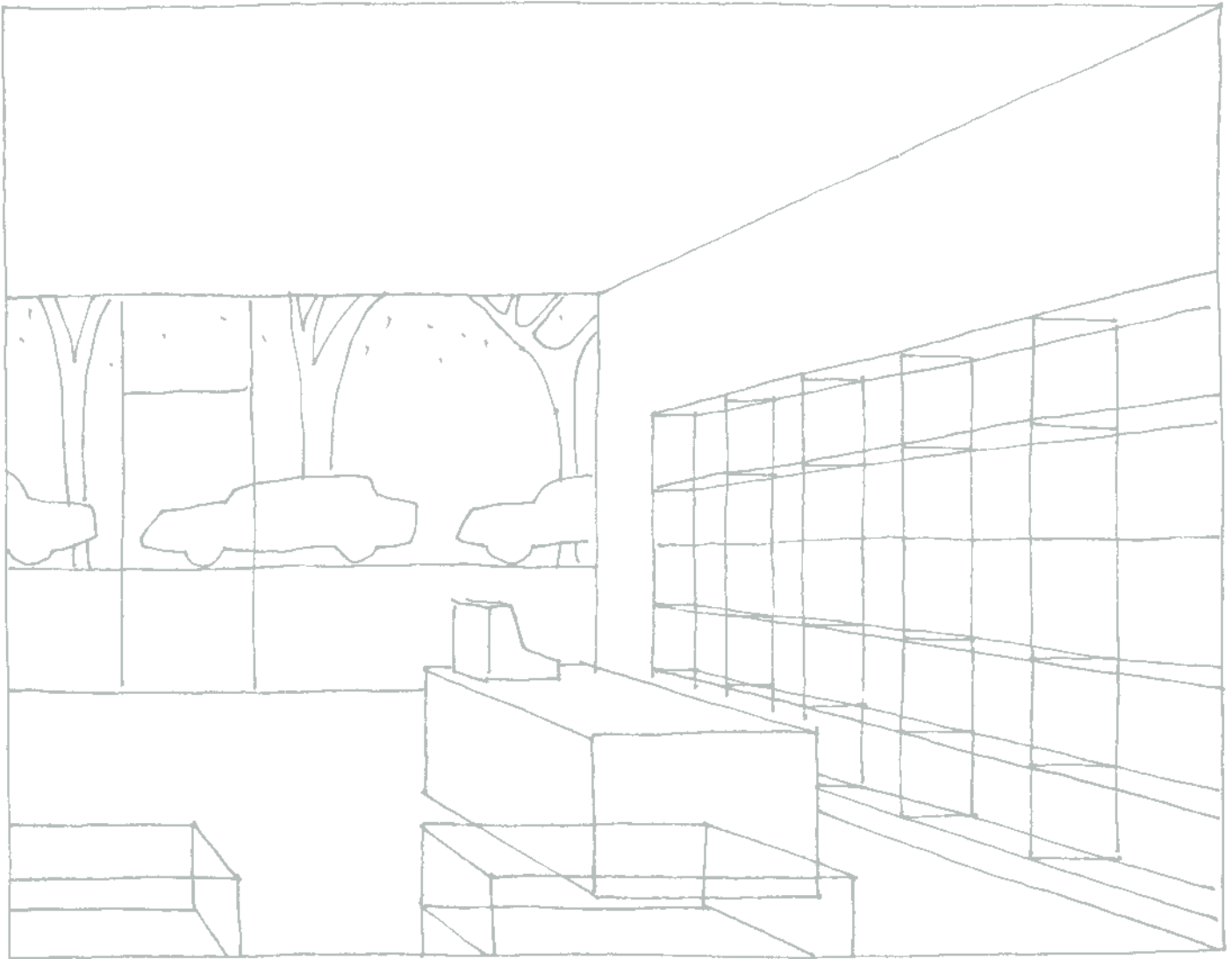
When only indirect, uniform lighting of the vaulted ceiling is required this can be achieved using ceiling washlights mounted on the pillars. If installation on the pillars presents a problem, free-standing luminaires can be used.



Light structure with pairs of ceiling washlights for halogen lamps plus track-mounted spotlights.



Groups of four ceiling washlights are mounted on a suspended light structure installed on the central axis of the vaults. These washlights provide indirect lighting. Spotlights can be mounted on the lower part of the structure for accent lighting purposes.



4.17 Sales areas, boutiques

When developing lighting design concepts for boutiques or similar sales areas the tasks that require attention are accent lighting for the presentation of goods, an attractive entrance area, and ambient lighting. The lighting of the cash-desk as a workplace should be treated separately.

In general it can be stated that the level of lighting increases with the quality of the goods and the more exclusive the location; at the same time the general lighting is reduced in favour of differentiated lighting. Cheaper articles can be displayed under uniform, efficient lighting, whereas high-quality goods require presentation using accent lighting.

As opposed to standard installed loads of 15 W/m^2 for ambient and accent lighting respectively, the connected load with high levels of accent lighting may amount to over 60 W/m^2 .

The lighting design concept will frequently go beyond the standard repertoire of lighting effects and luminaires in order to create a characteristic atmosphere. Dramatic lighting effects, such as coloured light or projection lighting, are also possible, as are distinctive light structures or decorative luminaires.