



Figure 135
Good colour rendering approx. RA 70 through LED luminaires with newest technique.

The human visual system can adapt to a wide range of luminances but it can only cope with a limited luminance range at any single adaptation state. When this range is exceeded, glare will occur. If a field of view contains bright elements that cause glare, it is likely that they will affect performance or at least cause stress and fatigue which in turn will cause problems.

To avoid this, luminaires that have limited luminances within the normal fields of view relative to the adaptation level should be used. Glare limits for different areas and applications are given in the local norms and standards. For more details please refer to Chapter G / 2.0 and Chapter G / 3.0 and following pages for samples calculations of different typical streets and areas.