

Table 10.6 The usual light sources used for general lighting at different mounting heights

Mounting height (m)	Usual light source
2.5 to 3.0	Fluorescent
3.0 to 6.0	Fluorescent or low wattage, high pressure discharge
Above 6.0	High wattage high pressure discharge

10.4.2 Localised lighting

Localised lighting is characterised by higher illuminances in one part of a workshop and lower illuminances in another. Localised lighting is appropriate where the arrangement of work positions is permanent and the visual demands of the work are different in different areas, where there is large scale obstruction to general lighting or where the visual demands of the work call for additional illumination or a different light distribution.

10.4.3 Local lighting

Local lighting is designed to illuminate the task and its immediate surround. Local lighting should be regarded as a supplement to general lighting or localised lighting, not a substitute. Local lighting can be fixed or adjustable by the worker.

10.4.4 Visual inspection

Rapid visual inspection calls for off-axis detection of defects. How well this can be done will depend on the visibility of the defect and, if there are other objects in the area to be searched, the conspicuity of the defect. There are many different methods of lighting for visual inspection. All depend on the use of lighting to make the defect more visible and more conspicuous. Figure 10.6 shows some arrangements for revealing different features of products.