

6.3 Wall-mounted Luminaires

As their name suggests, wall mounted luminaires are designed to be mounted on walls (surface or recessed) so as to provide a low level of illumination in the nearby area. They are widely used for security and amenity lighting. The light distribution is usually wide and is achieved by a combination of reflecting and refracting elements. The light sources used in wall mounted luminaires are usually low wattage low pressure sodium, high pressure sodium, compact fluorescent, metal halide or LED. Wall mounted lumi-

nares need protection against dust and moisture and so are classified according to the IP and IK system (see Chapter D / 7.4.1 / Tables 12,13 and 7.4.2 / Tables 14 and 15). Because of their relatively low mounting heights, they should be solidly constructed of materials that resist attacks by vandals. The most common problem experienced with wall mounted luminaires is glare. This problem is much reduced if there is no direct view of the light source. Figure 101 shows a selection of wall mounted luminaires.



Figure 101
Examples of wall mounted luminaires used in Abu Dhabi.