

## 4.0 Basic Design Decisions

### 4.1 Choice of Electric Lighting System

The selection of the luminaire, light source and control system to be used is an important one, if electricity is not to be wasted and an efficient lighting installation achieved. The first choice to be made will be to determine the technique to be employed.

For exteriors, the techniques, in order of decreasing energy consumption, can be sometimes simply categorised as:

- General system:  
Providing a uniform illuminance over the whole area/space as required.
- Localised system:  
Using luminaires located adjacent to places of interest to provide the illuminance for safety or use, whilst the overall ambient lighting is provided by the spill light from other luminaires nearby.



Figure 159

Location where spill light from the high mast pole lighting supports the decorative lighting of a pedestrian underpass.