

303

## Chapter 3: Neighbourhood Pollution

303.01

### Exterior Light Pollution and Controls

For all new buildings, permanently installed exterior lighting must comply with the following:

1. All exterior light fixtures on the building site, other than architectural accent lighting and Civil Aviation safety lighting, must be shielded so that all of the light emitted by the fixture, either directly or indirectly by reflection or refraction from any part of the fixture, is projected below the horizontal plane passing through the lowest part of the fixture;
2. Architectural accent lighting must be aimed or shielded to prevent the lighting of the night sky. Wall washing lights must spill no more than 10% of the lighting past the building façade;
3. Downward directed lighting must be used for lighting of signage; and
4. All exterior lighting must be fitted with automatic controls to ensure that lights do not operate during daylight hours.

304

## Chapter 4: Microclimate and Outdoor Comfort

304.01

### Urban Heat Island Effect

For all new buildings:

1. All opaque external roofing surfaces must comply with a minimum Roof Solar Reflective Index (SRI) value according to Table 304.01(1) for a minimum of seventy five percent (75%) of the roof area:

**Table 304.01 (1) – Roof SRI Requirements**

Type of Roof	Minimum Roof SRI
Steep Sloped Roofs (slopes steeper than 1:6)	≥ 29
Flat and Low Sloped Roofs	≥ 78

2. Individual heat rejection equipment, with a power rating greater than 4.0 kilowatt (kW), and which exhausts externally, must be installed not less than 3.0 meters above the ground level of the building.

