

## 1.4. Automatic Sprinkler Systems

### 1.4.14. Types of Sprinklers, based on installation orientation

#### 1.4.14.1. Upright Sprinkler Head

A sprinkler designed to be installed in such a way that the water spray is directed upwards against the deflector.

#### 1.4.14.2. Pendent Sprinkler Head

A sprinkler designed to be installed in such a way that the water stream is directed downward against the deflector. In pendent there are two types based on its mounting application.

#### 1.4.14.3. Recessed Pendent Sprinkler Head

A sprinkler in which all or part of the body, other than the shank thread, is mounted within a recessed housing.

#### 1.4.14.4. Concealed Pendent Sprinkler Head

A recessed sprinkler concealed with cover plates.

#### 1.4.14.5. Conventional Sprinkler Head

A sprinkler that is designed to install both pendent or upright position.

#### 1.4.14.6. Sidewall Sprinkler Head

A sprinkler having special deflectors that are designed to discharge most of the water away from the nearby wall in a pattern resembling one-quarter of a sphere, with a small portion of the discharge directed at the wall behind the sprinkler.



Figure 9.1.: Types of Sprinklers based on orientation