

Table 4.10 IP classification of luminaires according to the degree of protection against foreign bodies, dust and moisture

| First number | Degree of protection | Second number | Degree of protection |
|--------------|---|---------------|---|
| 0 | Not protected | 0 | Not protected |
| 1 | Protected against solid objects greater than 50 mm | 1 | Protected against dripping water |
| 2 | Protected against solid objects greater than 12 mm | 2 | Protected against dripping water when tilted up to 15 degrees |
| 3 | Protected against solid objects greater than 2.5 mm | 3 | Protected against spraying water |
| 4 | Protected against solid objects greater than 1.0 mm | 4 | Protected against splashing |
| 5 | Dust-protected | 5 | Protected against water jets |
| 6 | Dust-tight | 6 | Protected against heavy seas |
| | | 7 | Protected against the effects of immersion |
| | | 8 | Protected against submersion to a specified depth |

Electrical protection

Luminaires are also classified according to the protection they provide against electric shock. Table 4.11 shows the luminaire classes in the IEC classification.