



# Protect your luminaires against extreme spikes and transients

## Surge protection devices

The Philips surge protection devices are the ideal solution to the challenge of using LEDs in outdoor lighting. The SPD protects the complete system against high surges that can occur due to, for example, lightning strikes. Essential for LED systems installed in high-risk areas, the advantages of using the SPD are not limited only to LED systems. The product can be used in any new or existing lighting solution, regardless of technology. A choice can be made between parallel SPDs (if SPD is broken, light remains on) and serial SPDs (if SPD is broken, light will switch off).

### Benefits

- Maximize the lifetime value of outdoor lighting systems
- No down-time due to calamities (storms, lightning strikes, etc.)
- Lower maintenance costs and easy to apply in new or existing installations

### Features

- Resistant to peaks and surges of up to 10 kA / 10 kV
- Suitable for insulation Class I luminaires
- Xtreme standard: Long lifetime, robust protection against moisture, vibration and temperature extremes

### Application

- Outdoor